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Environmental Decisions

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April 23, 2014

Transmitted via Internet Mail

Stephen K. Havlik
EHS Remediation Specialist
BASF Corporation
PO Box 71
Oak Ridge Parkway
Toms River, New Jersey 08754

Subject: Work Plan for Target Removal Tasks at North Lot and Pre-Treatment Plant Parcels of BASF Corporation's Glens Falls, New York Property

Dear Mr. Havlik:

The following outlines AMO Environmental Decisions' (AMO's) projected scope of work for target removal tasks at the subject property. The tasks involve excavation and off-site disposal of a small volume of soil on the North Lot and Pre-Treatment Plant (PTP) Parcels of the property.

Background

BASF's Glens Falls property is located in the Town of Queensbury, just east of the City of Glens Falls, Warren County, New York (Figure 1). The site is comprised of approximately 63.8 acres and includes six parcels (Figure 2): the Main Plant Site (~44.1 acres); the North Lot (~3.1 acres); the PTP Parcel (~5.6 acres); the East Area (~7.6 acres); the Sliver Quarry (~2.4 acres); and the former Stormwater Impoundment Basin (~1.0 acre). *(Note: Given acreage is based on geographic information system (GIS) mapping. It is not survey data).*

Various industrial manufacturing operations occurred at the property, under various ownership, between the late 1800s and 1989. Buildings and appurtenances were decommissioned, demolished, or otherwise removed from the property between 1989 and 1991. Extensive environmental investigation and remedial action activities were performed between the early 1990s and 2006.

Environmental work has been performed under the *Resource Conservation and Recovery Act* (RCRA) program. However, the New York State Department of Environmental Conservation (NYSDEC) is the lead oversight agency. RCRA post-closure permits were issued by both NYSDEC (*Hazardous Waste Management [HWM] Permit*) and the U.S. Environmental Protection Agency (USEPA) (*Hazardous and Solid Waste Amendments [HSWA] Permit*). USEPA's HSWA Permit expired and was not required to be renewed.

RCRA Facility Investigations (RFIs) and Corrective Measures Studies (CMSs) were performed both on-site and off-site through the 1990s to identify contaminants of concern (COCs) and to determine corrective measures required to remediate the site. A final *Corrective Measures Design Report* was submitted in 1999

as required by the HWM Permit. Primary COCs included metals (chromium, lead, cadmium, arsenic, barium, and mercury), cyanide, and volatile organic compounds (VOCs) in localized areas. The corrective measures primarily addressed Main Plant Site soil and groundwater. Corrective measures for the site began in May 2000 and were completed in October 2004. The related *Construction Documentation Report* was approved by NYSDEC in January 2006.

Rationale & General Scope of Recent Investigations

The HWM Permit (reissued/effective April 21, 2009) details completion of corrective measures and continuing post-remedial obligations. No further action (NFA) is required by the permit regarding soil in the North Lot, PTP Parcel, and East Area. Due to previous waste-water treatment operations, groundwater monitoring remains a requirement in the PTP Parcel. BASF refers to these three parcels as the "upland parcels".

Interest in the potential for beneficial reuse of the upland parcels has grown over recent months. Private parties as well as the Town of Queensbury have expressed such interest. As outlined below, BASF assessed the North Lot, PTP Parcel, and East Area parcels through review of previous investigations and implementation of its own statistically-based investigation.

Limited focused soil sampling/assessment programs were performed in the North Lot, PTP parcel, and East Area between the late 1990s and early 2000s. Soil was removed from isolated areas of the North Lot and PTP parcel and placed beneath the RCRA cap in the northwest portion of the Main Plant Site. Related investigation/corrective action documents, and the HWM Permit, indicate these tracts of land meet NYSDEC *Industrial Soil Cleanup Objectives* (SCOs, 6 NYCRR Part 375, Subpart 375-6).

BASF directed a statistically-based soil sampling program in the upland parcels between March and April 2013. The program was designed based upon review of readily available background information, data pulled from pre-design investigation activities at the Main Plant Site, and consultation with Ashland, Inc. (shares environmental responsibilities with BASF). Sample locations were determined through sampling grids having random origins and random orientations. Each sample location was investigated to a depth of approximately three feet below ground surface (bgs) using direct-push drilling methods. Sample selection was biased based on: indications of potential contamination; the 6-inch interval above the zone judged to be least permeable; or the 1.5 to 2.0-foot bgs default interval. The default interval was sampled in each instance due to indications of potential contamination and limiting zones not being found. The target COC list is provided as Table 1.

A total of 27 random soil samples were collected from the North Lot and PTP Parcel. Results of the investigation indicated potential residual site-related COCs reside in isolated, near-surface locations at the North Lot and PTP Parcel (Figure 3). The findings are based upon comparison of analytical results with NYSDEC *Industrial* and *Commercial* SCOs (Table 2). Cadmium is the target metal in the North Lot (N002). Cadmium, barium, lead, and/or mercury are the target metals in the PTP Parcel (P004 and P005).

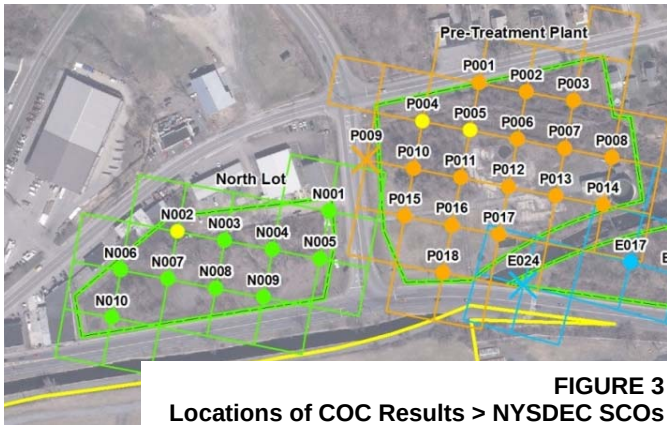


FIGURE 3
Locations of COC Results > NYSDEC SCOs

TABLE 2
Analytical Results Summary for Soil

Parcel	Location	TOS	S_Date	Fraction	Parameter	Result	COMM	IND
North Lot Parcel	N002	1.50	4/3/2013	Metal	Cadmium	18.0	9.3	60
Pre-Treatment Plant Parcel	P005	1.50	4/3/2013	Metal	Barium	1,200.0	400	10,000
Pre-Treatment Plant Parcel	P005	1.50	4/3/2013	Metal	Cadmium	76.0	9.3	60
Pre-Treatment Plant Parcel	P004	1.50	4/3/2013	Metal	Cadmium	13.0	9.3	60
Pre-Treatment Plant Parcel	P005	1.50	4/3/2013	Metal	Lead	1,600.0	1,000	3,900
Pre-Treatment Plant Parcel	P005	1.50	4/3/2013	Metal	Mercury	7.2	2.8	5.7

TOS - Top of sample (feet below ground surface)
\- Concentration units given in mg/kg
COMM - NYSDEC Commercial Soil Cleanup Objective
IND - NYSDEC Industrial Soil Cleanup Objective

A total of 22 random soil samples were collected from the East Area. One polycyclic aromatic hydrocarbon (PAH, benzo(a)pyrene (BaP)) (1.6 mg/kg) slightly exceeds its Industrial (1.1 mg/kg) and Commercial (1.0 mg/kg) SCOs at one East Area location. This finding is considered representative of background anthropogenic conditions; no further assessment/action is deemed necessary.

The laboratory data package for upland parcel statistically-based investigations is provided in Appendix A. Please note that a limited number of soil samples were also collected from the Sliver Quarry during this time. The Sliver Quarry is not considered an upland parcel.

Target Removal Scope of Work

BASF's statistically-based investigation was performed to satisfy internal environmental assessment needs. Findings were not surprising and, if nothing else, confirmed conditions as defined in the HWM Permit. Therefore, the decision to remove soil from targeted locations in the North Lot and PTP Parcel is based on satisfying internal objectives. Further rationale regarding this decision and conclusions to be made following removal of the targeted locations is given below.

Target removal areas were predefined through soil sampling/analysis tasks performed in November 2013. Figure 4 and Table 3 summarize analytical results that confirm completion of this delineation effort. Delineation confirmation within each area was based on at least one vertical sample result (excavation bottom) and four horizontal sample results (excavation sidewalls). Appendix B includes the laboratory data package for this work.

The removal area for the North Lot (Figure 4a) encompasses approximately 100-feet^2 to a depth of 3-feet below ground surface (bgs). The two removal areas for the PTP Parcel (Figure 4b) encompass approximately 375-feet^2 to a depth of 4-feet bgs in the P004 location, and 151-feet^2 to a depth of 3-feet bgs in the P005 location.

The above-defined removal areas correlate to approximately 85 yards^3 (or ~128 tons) of soil. Excavated soil will be direct loaded for shipment under bill of lading to Casella's Clinton County Landfill (Permit #5-0946-00049/00005; 286 Sand Road, Morrisonville, NY 12962). The soil has been pre-approved by Casella based on analytical results for waste characterization sampling within the target locations in December 2013. The samples were biased to vertical and horizontal locations that exhibited the highest concentrations of targeted parameters during previous work within each remedial area. Three samples (one from each area) were field

composited and submitted for analysis of waste characterization parameters required by Casella's operating permit. Appendix C provides a copy of the waste characterization laboratory report and BASF's disposal application.

Land Remediation, Inc. of Averill Park, New York is expected to be contracted for excavation, disposal, and site restoration services. AMO will direct and oversee field operations. AMO will notify NYSDEC's regional office via phone and/or electronic communications at least seven days prior to commencing target removal work at the subject property. We tentatively plan to conduct the remedial activity during the last week in May 2014 (pending approval by NYSDEC).

Following removal of soil from the targeted removal areas, virgin quarry-derived material* will be placed in each excavation and mechanically compacted in 1-foot lifts using the bucket of excavation equipment. Final restoration will be accomplished by tracking over the backfilled areas until the surface is in agreement with the elevation of the surrounding land. *(*Material used as fill in the subject areas will meet the requirements established in 6NYCRR Part 375-6.7(d) and Section 5.4 of DER-10. It will consist of virgin sand from Constantine Construction & Farm Incorporated's Halfmoon Pit (Mine Permit ID 50383; NYSDEC ID 5-4154-00034; NYSDOT Source Number 1-149F). As of September 24, 2013, this location was listed on the New York State Department of Transportation's Approved List Sources of Fine & Course Aggregates. A web search of NYSDEC's Mine Inspection Records found the Halfmoon Pit was last inspected on July 11, 2013 by Katherine Smith of the Mined Land staff; No violations were noted.).*

Due to the small aerial extent of remedial areas (~1% of an acre), rapid pace of excavation and restoration activity (expected to take a maximum of two days), and lack of surface water bodies and storm water intake structures in the planned work areas, a soil erosion and sediment control plan is not deemed necessary for the target removal work. Truck traffic will be restricted to existing paved or gravel surfaces (to prevent potential off-site tracking of soil).

The work area will be closely monitored and access by unauthorized personnel will not be permitted. AMO will also administer a site-specific *Community Air Monitoring Plan* (CAMP) to protect the public, living and working near the work areas, from unacceptable exposure to site contaminants during intrusive activities. Appendix D provides our site-specific CAMP for these activities.

Site-specific *Health and Safety Plans* (HASPs) will be prepared by AMO and Land Remediation for their respective on-site workers.
hyerarchy

Reporting

Completion of the target removal tasks will satisfy BASF's internal assessment needs. Conclusions regarding the status of these areas are nearly foregone since remediation confirmation has already been performed through pre-excavation delineation sampling/analysis. AMO's report will therefore be brief – referencing much of what is in this work plan. Bills of lading and corresponding weight tickets associated with material shipped to Casella's Clinton County Landfill will be provided to document disposal. Similar documentation for clean fill (backfill) will also be provided.

Beyond reporting, BASF anticipates opening further discussion with the Town of Queensbury and NYSDEC regarding potential redeployment alternatives for the upland parcels. An important topic will be whether a desire to implement future commercial use alternatives would dictate a petition for change in use of the property. If so, additional interest will follow regarding what might be required for this petition.

♦♦♦

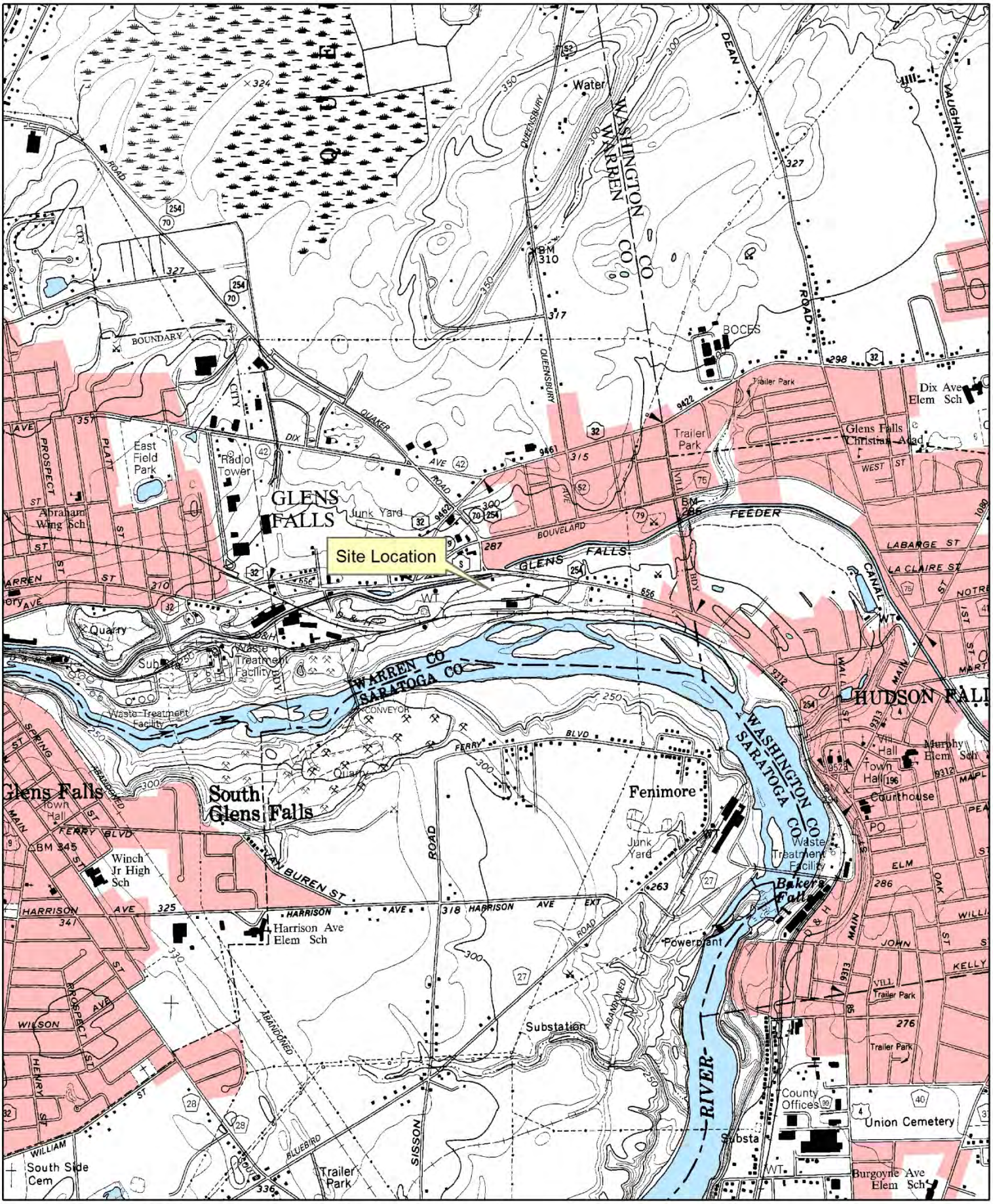
Please feel free to contact Mr. Steve Havlik (732-914-2542), BASF's Project Director, or me (215-230-8282) if you have any questions regarding this work plan.

Respectfully,

AMO Environmental Decisions

John M. (Jay) Ash, P.G.
Principal
Hydrogeologist

attachments
cf: File
S. Havlik



Reference: Portions of USGS Glens Falls & Hudson Falls 7.5 Minute Topographic Quadrangles (NYS GIS Clearinghouse)
Contour Interval 10 feet

N
W E
S

0 1,000 2,000 4,000
Feet

AMO Environmental Decisions

FIGURE 1
Site Location Map
BASF Corporation
Glens Falls, New York

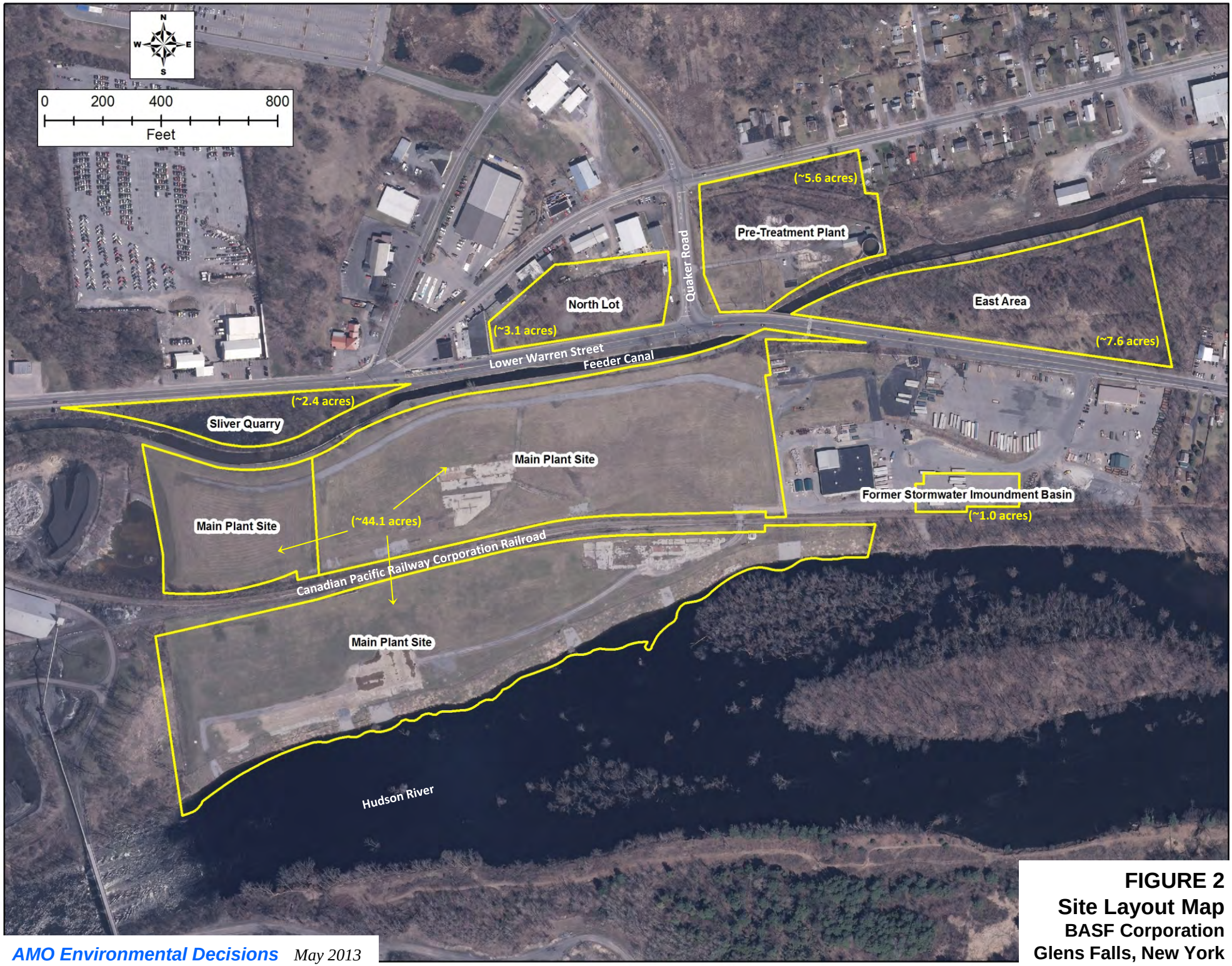


FIGURE 2
Site Layout Map
BASF Corporation
Glens Falls, New York

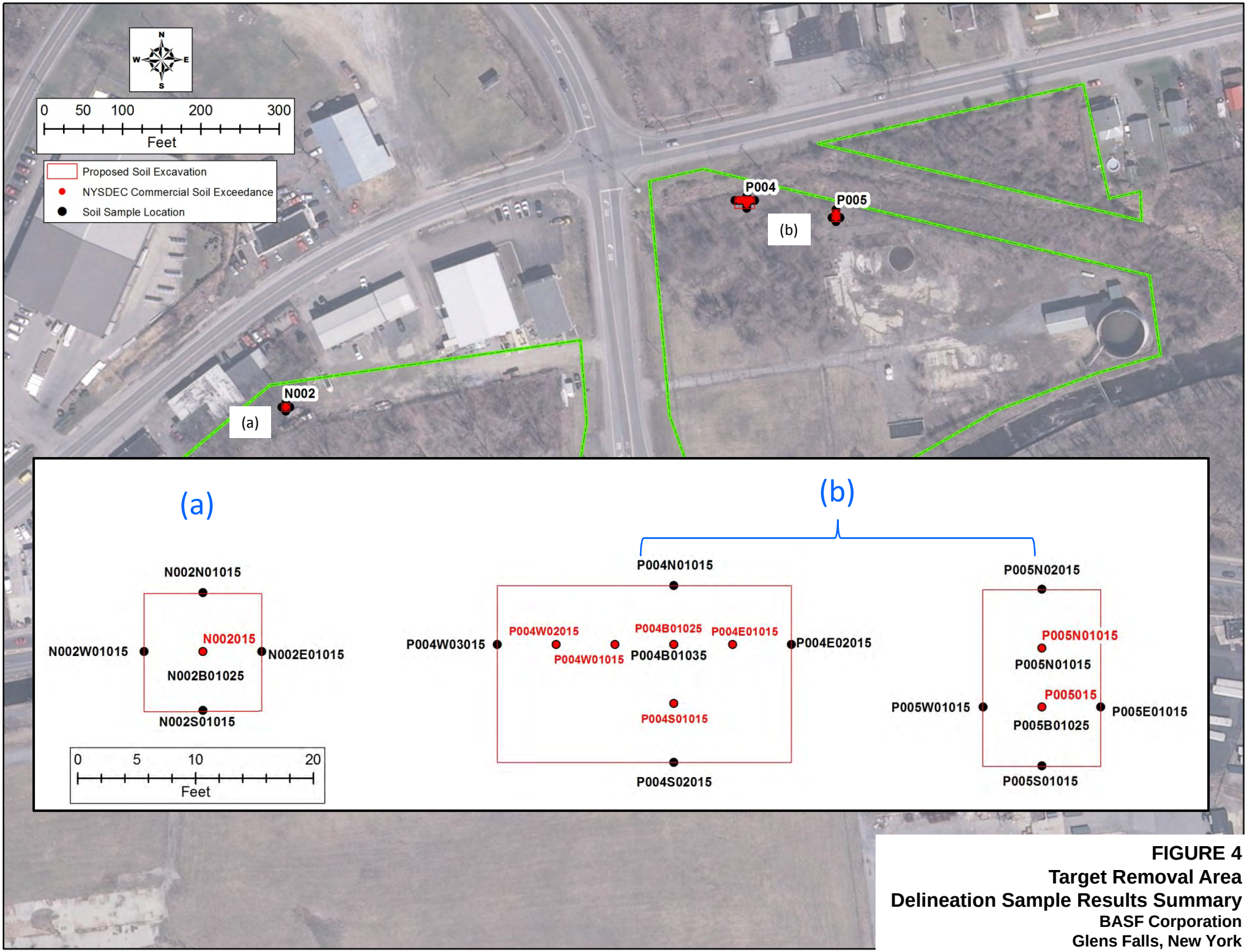


FIGURE 4
Target Removal Area
Delineation Sample Results Summary
BASF Corporation
Glens Falls, New York

BASF Corporation
Glens Falls, New York

TABLE 1
Targeted Analyte List

Fraction	Parameter	Applicable Parcel
VOC	1,2-Dichlorobenzene	All Parcels
VOC	1,2-Dichloroethane	All Parcels
VOC	1,2-Dichloroethenes	All Parcels
VOC	1,3-Dichlorobenzene	All Parcels
VOC	1,4-Dichlorobenzene	All Parcels
VOC	Benzene	All Parcels
VOC	Carbon Tetrachloride	All Parcels
VOC	Chlorobenzene	All Parcels
VOC	Chloroform	All Parcels
VOC	Chloromethane	All Parcels
VOC	cis-1,2-Dichloroethene	All Parcels
VOC	Ethylbenzene	All Parcels
VOC	Toluene	All Parcels
VOC	trans-1,2-Dichloroethene	All Parcels
VOC	Trichloroethene	All Parcels
VOC	Vinyl chloride	All Parcels
SVOC	Bis(2-ethylhexyl)phthalate	All Parcels
SVOC	Dimethyl phthalate	All Parcels
SVOC-PAH	Benzo(a)anthracene	All Parcels
SVOC-PAH	Benzo(a)pyrene	All Parcels
SVOC-PAH	Benzo(b) fluoranthene	All Parcels
SVOC-PAH	Benzo(k) fluoranthene	All Parcels
SVOC-PAH	Chrysene	All Parcels

Fraction	Parameter	Applicable Parcel
SVOC-PAH	Dibenzo(ah) anthracene	All Parcels
SVOC-PAH	Fluorene	All Parcels
SVOC-PAH	Indeno(1,2,3-cd)pyrene	All Parcels
SVOC-PAH	Phenanthrene	All Parcels
SVOC-Phenol	2-Chlorophenol	All Parcels
SVOC-Phenol	4-Methylphenol	All Parcels
SVOC-Phenol	Pentachlorophenol	All Parcels
SVOC-Phenol	Phenol	All Parcels
Metal	Arsenic	All Parcels
Metal	Barium	All Parcels
Metal	Beryllium	All Parcels
Metal	Cadmium	All Parcels
Metal	Copper	All Parcels
Metal	Lead	All Parcels
Metal	Nickel	All Parcels
Metal	Selenium	All Parcels
Metal	Silver	All Parcels
Metal	Zinc	All Parcels
Metal-Cr	Chromium	All Parcels[1]
Metal-Cr	Chromium, Hexavalent	All Parcels[1]
Metal-Hg	Mercury	All Parcels
Cyanide	Cyanide, total	All Parcels
PCBs	Polychlorinated Biphenyls	Pre-Trtmt Plant Only[2]

Notes:

1) Samples having the six (6) highest concentrations of total chromium to be analyzed/speciated for hexavalent chromium

2) The Pre-Treatment Plant is the only parcel where PCBs have the potential to exist in association with former electrical service(s).

BASF Corporation
Glens Falls, New York

TABLE 3
Delineation Confirmation Results Summary
(Target Removal Areas)

Location	Sample ID	TOS (fbgs)	Sample Date	Fraction	Parameter	Result		MDL	PQL	COMM
N002	N002B01025	2.5	11/13/2013	Metal	Cadmium	0.73		0.03	0.48	9.30
N002	N002E01015	1.5	11/13/2013	Metal	Cadmium	0.59		0.03	0.45	9.30
N002	N002N01015	1.5	11/13/2013	Metal	Cadmium	6.90		0.04	0.52	9.30
N002	N002S01015	1.5	11/13/2013	Metal	Cadmium	1.50		0.03	0.48	9.30
N002	N002W01015	1.5	11/13/2013	Metal	Cadmium	0.53		0.04	0.50	9.30
P004	P004B01025	2.5	11/14/2013	Metal	Cadmium	9.40		0.04	0.52	9.30
P004	P004B01035	3.5	11/14/2013	Metal	Cadmium	1.60		0.04	0.56	9.30
P004	P004E01015	1.5	11/14/2013	Metal	Cadmium	29.00		0.04	0.55	9.30
P004	P004E02015	1.5	11/14/2013	Metal	Cadmium	0.43	J	0.04	0.50	9.30
P004	P004N01015	1.5	11/14/2013	Metal	Cadmium	2.20		0.04	0.51	9.30
P004	P004S01015	1.5	11/14/2013	Metal	Cadmium	34.00		0.04	0.57	9.30
P004	P004S02015	1.5	11/14/2013	Metal	Cadmium	1.20		0.04	0.50	9.30
P004	P004W01015	1.5	11/14/2013	Metal	Cadmium	60.00		0.04	0.63	9.30
P004	P004W02015	1.5	11/14/2013	Metal	Cadmium	15.00		0.04	0.52	9.30
P004	P004W03015	1.5	11/14/2013	Metal	Cadmium	1.50		0.03	0.48	9.30
P005	P005B01025	2.5	11/13/2013	Metal	Barium	170.00		0.16	0.55	400.00
P005	P005B01025	2.5	11/13/2013	Metal	Cadmium	1.20		0.04	0.55	9.30
P005	P005B01025	2.5	11/13/2013	Metal	Lead	19.00		0.11	2.80	1,000.00
P005	P005B01025	2.5	11/13/2013	Metal	Mercury	0.02	U	0.02	0.12	2.80
P005	P005E01015	1.5	11/13/2013	Metal	Barium	55.00		0.13	0.43	400.00
P005	P005E01015	1.5	11/13/2013	Metal	Cadmium	4.70		0.03	0.43	9.30
P005	P005E01015	1.5	11/13/2013	Metal	Lead	56.00		0.09	2.20	1,000.00
P005	P005E01015	1.5	11/13/2013	Metal	Mercury	0.88		0.02	0.08	2.80
P005	P005N01015	1.5	11/13/2013	Metal	Barium	75.00		0.14	0.48	400.00
P005	P005N01015	1.5	11/13/2013	Metal	Cadmium	25.00		0.03	0.48	9.30
P005	P005N01015	1.5	11/13/2013	Metal	Lead	450.00		0.10	2.40	1,000.00
P005	P005N01015	1.5	11/13/2013	Metal	Mercury	1.40		0.02	0.08	2.80
P005	P005N02015	1.5	11/13/2013	Metal	Cadmium	0.73		0.03	0.48	9.30
P005	P005S01015	1.5	11/13/2013	Metal	Barium	52.00		0.13	0.43	400.00
P005	P005S01015	1.5	11/13/2013	Metal	Cadmium	5.90		0.03	0.43	9.30
P005	P005S01015	1.5	11/13/2013	Metal	Lead	150.00		0.09	2.10	1,000.00
P005	P005S01015	1.5	11/13/2013	Metal	Mercury	1.10		0.02	0.09	2.80
P005	P005W01015	1.5	11/13/2013	Metal	Barium	46.00		0.14	0.45	400.00
P005	P005W01015	1.5	11/13/2013	Metal	Cadmium	2.00		0.03	0.45	9.30
P005	P005W01015	1.5	11/13/2013	Metal	Lead	27.00		0.09	2.30	1,000.00
P005	P005W01015	1.5	11/13/2013	Metal	Mercury	0.35		0.02	0.08	2.80

Explanations

TOS - Top of 6-inch sample interval
fbgs - Feet below ground surface
U - Parameter not detected at or below the MDL
J - Estimated concentration based on detection between the MDL and PQL
MDL - Method detection limit
PQL - Practical quantitation limit
COMM - NYSDEC Commercial Soil Cleanup Objective

Notes

- All locations where exceedance of COMM SCO occur will be excavated
- All values in milligrams per kilogram (dry-weight basis)

APPENDIX A
Site Investigation (April 2013)
Laboratory Data Package

JOB: L1305464 REPORT STYLE: Data Usability Report
001: Cover & Signature Pages - OK
006: Narrative Page(s) - OK
010: Cover Page - OK
011: Volatiles Sample Results - OK
012: Volatiles Blank Report - OK
013: Volatiles LCS Report - OK
018: Cover Page - OK
020: Semivolatiles Blank Report - OK
021: Semivolatiles LCS Report - OK
100: Metals Sample Results - OK
101: Metals Blank Report - OK
102: Metals LCS Report - OK
104: Metals Matrix Spike Report - OK
105: Metals Duplicate Report - OK
118: Cover Page - OK
120: Wet Chemistry Sample Results - OK
125: Wet Chemistry Duplicate Report - OK
510: Container Report - OK
520: Glossary - OK
540: Reference Report - OK

No results found for sample L1305464-01 for product AG-TI
No results found for sample L1305464-01 for product AS-TI
No results found for sample L1305464-01 for product BA-TI
No results found for sample L1305464-01 for product BE-TI
No results found for sample L1305464-01 for product CD-TI
No results found for sample L1305464-01 for product CU-TI
No results found for sample L1305464-01 for product HG-T
No results found for sample L1305464-01 for product NI-TI
No results found for sample L1305464-01 for product NYTCL-8270
No results found for sample L1305464-01 for product PB-TI
No results found for sample L1305464-01 for product SE-TI
No results found for sample L1305464-01 for product TCN-9010
No results found for sample L1305464-01 for product ZN-TI
No results found for sample L1305464-02 for product AG-TI
No results found for sample L1305464-02 for product AS-TI
No results found for sample L1305464-02 for product BA-TI
No results found for sample L1305464-02 for product BE-TI
No results found for sample L1305464-02 for product CD-TI
No results found for sample L1305464-02 for product CU-TI
No results found for sample L1305464-02 for product HG-T
No results found for sample L1305464-02 for product NI-TI
No results found for sample L1305464-02 for product NYTCL-8270

No results found for sample L1305464-02 for product PB-TI
No results found for sample L1305464-02 for product SE-TI
No results found for sample L1305464-02 for product TCN-9010
No results found for sample L1305464-02 for product ZN-TI

ANALYTICAL REPORT

Lab Number:	L1305464
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/16/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305464
Report Date: 04/16/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305464-01	E008015	GLENS FALLS NEW YORK	04/01/13 13:45
L1305464-02	E003015	GLENS FALLS NEW YORK	04/01/13 13:00

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305464
Project Number: Not Specified **Report Date:** 04/16/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305464
Project Number:	Not Specified	**Report Date:**	04/16/13

Case Narrative (continued)

Report Submission

This partial report replaces the partial report issued on April 8, 2013. At the client's request, the samples were additionally analyzed for Total Chromium. A final report will be issued as soon as the results of all requested analyses become available.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 04/16/13

ORGANICS

VOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305464

Project Number: Not Specified **Report Date:** 04/16/13

SAMPLE RESULTS

Lab ID:	L1305464-01	Date Collected:	04/01/13 13:45
Client ID:	E008015	Date Received:	04/01/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/02/13 15:01		
Analyst:	BN		
Percent Solids:	76%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.7	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.7	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.6	0.87	1
Vinyl chloride	ND		ug/kg	2.2	0.16	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	97		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305464

Project Number: Not Specified **Report Date:** 04/16/13

SAMPLE RESULTS

Lab ID:	L1305464-02	Date Collected:	04/01/13 13:00
Client ID:	E003015	Date Received:	04/01/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/02/13 15:57		
Analyst:	BN		
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.4	0.84	1
Vinyl chloride	ND		ug/kg	2.2	0.15	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305464

Project Number: Not Specified **Report Date:** 04/16/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/02/13 09:26
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG599071-3					
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.33	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Vinyl chloride	ND		ug/kg	2.0	0.14
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305464

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599071-1 WG599071-2								
Methylene chloride	97		93		70-130	4		30
1,1-Dichloroethane	95		91		70-130	4		30
Chloroform	88		85		70-130	3		30
Carbon tetrachloride	93		86		70-130	8		30
1,2-Dichloropropane	92		90		70-130	2		30
Dibromochloromethane	96		94		70-130	2		30
2-Chloroethylvinyl ether	92		90			2		30
1,1,2-Trichloroethane	98		95		70-130	3		30
Tetrachloroethene	105		98		70-130	7		30
Chlorobenzene	99		95		70-130	4		30
Trichlorofluoromethane	89		81		70-139	9		30
1,2-Dichloroethane	78		77		70-130	1		30
1,1,1-Trichloroethane	90		84		70-130	7		30
Bromodichloromethane	85		83		70-130	2		30
trans-1,3-Dichloropropene	96		94		70-130	2		30
cis-1,3-Dichloropropene	89		87		70-130	2		30
1,1-Dichloropropene	96		90		70-130	6		30
Bromoform	94		93		70-130	1		30
1,1,2,2-Tetrachloroethane	98		97		70-130	1		30
Benzene	93		89		70-130	4		30
Toluene	100		95		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305464

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599071-1 WG599071-2								
Ethylbenzene	98		92		70-130	6		30
Chloromethane	126		119		52-130	6		30
Bromomethane	95		90		57-147	5		30
Vinyl chloride	120		112		67-130	7		30
Chloroethane	82		76		50-151	8		30
1,1-Dichloroethene	104		98		65-135	6		30
trans-1,2-Dichloroethene	98		92		70-130	6		30
Trichloroethene	92		87		70-130	6		30
1,2-Dichlorobenzene	100		97		70-130	3		30
1,3-Dichlorobenzene	102		99		70-130	3		30
1,4-Dichlorobenzene	102		98		70-130	4		30
Methyl tert butyl ether	87		86		66-130	1		30
p/m-Xylene	101		96		70-130	5		30
o-Xylene	99		94		70-130	5		30
cis-1,2-Dichloroethene	92		89		70-130	3		30
Dibromomethane	86		82		70-130	5		30
Styrene	96		92		70-130	4		30
Dichlorodifluoromethane	138		125		30-146	10		30
Acetone	117		95		54-140	21		30
Carbon disulfide	103		96		59-130	7		30
2-Butanone	97		86		70-130	12		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305464

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599071-1 WG599071-2								
Vinyl acetate	84		82		70-130	2		30
4-Methyl-2-pentanone	84		85		70-130	1		30
1,2,3-Trichloropropane	92		90		68-130	2		30
2-Hexanone	90		86		70-130	5		30
Bromochloromethane	94		90		70-130	4		30
2,2-Dichloropropane	91		84		70-130	8		30
1,2-Dibromoethane	96		93		70-130	3		30
1,3-Dichloropropane	97		94		69-130	3		30
1,1,1,2-Tetrachloroethane	98		94		70-130	4		30
Bromobenzene	101		99		70-130	2		30
n-Butylbenzene	102		97		70-130	5		30
sec-Butylbenzene	103		98		70-130	5		30
tert-Butylbenzene	104		98		70-130	6		30
o-Chlorotoluene	101		95		70-130	6		30
p-Chlorotoluene	101		97		70-130	4		30
1,2-Dibromo-3-chloropropane	81		80		68-130	1		30
Hexachlorobutadiene	112		106		67-130	6		30
Isopropylbenzene	102		97		70-130	5		30
p-Isopropyltoluene	104		98		70-130	6		30
Naphthalene	99		97		70-130	2		30
Acrylonitrile	94		94		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305464

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599071-1 WG599071-2								
Isopropyl Ether	93		90		66-130	3		30
tert-Butyl Alcohol	84		85		70-130	1		30
n-Propylbenzene	103		97		70-130	6		30
1,2,3-Trichlorobenzene	106		103		70-130	3		30
1,2,4-Trichlorobenzene	107		104		70-130	3		30
1,3,5-Trimethylbenzene	103		98		70-130	5		30
1,2,4-Trimethylbenzene	102		98		70-130	4		30
Methyl Acetate	91		90		70-130	1		30
Ethyl Acetate	86		85		70-130	1		30
Acrolein	79		77		70-130	3		30
Cyclohexane	110		102		70-130	8		30
1,4-Dioxane	87		86		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	109		100		70-130	9		30
1,4-Diethylbenzene	104		100		70-130	4		30
4-Ethyltoluene	104		99		70-130	5		30
1,2,4,5-Tetramethylbenzene	102		100		70-130	2		30
Tetrahydrofuran	89		90		66-130	1		30
Ethyl ether	78		77		67-130	1		30
trans-1,4-Dichloro-2-butene	90		89		70-130	1		30
Methyl cyclohexane	104		96		70-130	8		30
Ethyl-Tert-Butyl-Ether	89		88		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305464

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599071-1 WG599071-2								
Tertiary-Amyl Methyl Ether	86		85		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	86		86		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	97		97		70-130

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305464
Report Date: 04/16/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/03/13 08:41
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 04/02/13 14:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG598994-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	50	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	50	17.
Benzo(k)fluoranthene	ND		ug/kg	50	16.
Chrysene	ND		ug/kg	50	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	50	16.
Dibenzo(a,h)anthracene	ND		ug/kg	50	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		25-120
Phenol-d6	31		10-120
Nitrobenzene-d5	29		23-120
2-Fluorobiphenyl	33		30-120
2,4,6-Tribromophenol	36		0-136
4-Terphenyl-d14	36		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305464

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG598994-2 WG598994-3								
Bis(2-Ethylhexyl)phthalate	48		46		40-140	4		50
Dimethyl phthalate	48		45		40-140	6		50
Benzo(a)anthracene	50		47		40-140	6		50
Benzo(a)pyrene	51		49		40-140	4		50
Benzo(b)fluoranthene	53		50		40-140	6		50
Benzo(k)fluoranthene	51		48		40-140	6		50
Chrysene	50		48		40-140	4		50
Fluorene	46		44		40-140	4		50
Phenanthrene	48		48		40-140	0		50
Dibenzo(a,h)anthracene	51		49		40-140	4		50
Indeno(1,2,3-cd)Pyrene	49		47		40-140	4		50
2-Chlorophenol	38		37		25-102	3		50
Pentachlorophenol	52		47		17-109	10		50
Phenol	30		29		26-90	3		50
3-Methylphenol/4-Methylphenol	36		36		30-130	0		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305464

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG598994-2 WG598994-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	38		38		25-120
Phenol-d6	36		35		10-120
Nitrobenzene-d5	32		31		23-120
2-Fluorobiphenyl	41		38		30-120
2,4,6-Tribromophenol	58		55		0-136
4-Terphenyl-d14	54		52		18-120

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305464
Project Number: Not Specified
Report Date: 04/16/13

SAMPLE RESULTS

Lab ID: L1305464-01
Client ID: E008015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 76%

Date Collected: 04/01/13 13:45
Date Received: 04/01/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	7.9		mg/kg	0.50	0.10	1	04/04/13 12:19	04/04/13 16:52	EPA 3050B	1,6010C	BM

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305464
Project Number: Not Specified
Report Date: 04/16/13

SAMPLE RESULTS

Lab ID: L1305464-02
Client ID: E003015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 77%

Date Collected: 04/01/13 13:00
Date Received: 04/01/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	28		mg/kg	0.49	0.10	1	04/04/13 12:19	04/04/13 17:06	EPA 3050B	1,6010C	BM

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305464

Project Number: Not Specified **Report Date:** 04/16/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG599508-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Barium, Total	ND		mg/kg	0.40	0.12	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Copper, Total	ND		mg/kg	0.40	0.20	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Lead, Total	ND		mg/kg	2.0	0.12	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Selenium, Total	0.14	J	mg/kg	0.80	0.12	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Silver, Total	ND		mg/kg	0.40	0.08	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Zinc, Total	ND		mg/kg	2.0	0.20	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG599779-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/07/13 12:46	04/08/13 09:42	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305464

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG599508-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	88		-		83-118	-		
Beryllium, Total	92		-		83-117	-		
Cadmium, Total	89		-		82-117	-		
Chromium, Total	92		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	95		-		80-120	-		
Nickel, Total	94		-		82-117	-		
Selenium, Total	106		-		80-120	-		
Silver, Total	100		-		66-134	-		
Zinc, Total	103		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG599779-2 SRM Lot Number: 0518-10-02								
Mercury, Total	124		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305464
Report Date: 04/16/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599508-4 QC Sample: L1305464-01 Client ID: E008015												
Arsenic, Total	1.0	11.9	13	101		-	-		75-125	-		35
Barium, Total	32.	198	220	95		-	-		75-125	-		35
Beryllium, Total	0.45	4.95	5.0	92		-	-		75-125	-		35
Cadmium, Total	0.23J	5.05	44	87		-	-		75-125	-		35
Chromium, Total	7.9	19.8	26	91		-	-		75-125	-		35
Copper, Total	3.1	24.7	28	101		-	-		75-125	-		35
Lead, Total	2.2J	50.5	51	101		-	-		75-125	-		35
Nickel, Total	8.5	49.5	53	90		-	-		75-125	-		35
Selenium, Total	0.31J	11.9	12	101		-	-		75-125	-		35
Silver, Total	ND	29.7	31	104		-	-		75-125	-		35
Zinc, Total	35.	49.5	77	85		-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599779-4 QC Sample: - Client ID: -												
Mercury, Total	ND	0.188	0.21	112		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305464
Report Date: 04/16/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599508-3 QC Sample: L1305464-01 Client ID: E008015						
Chromium, Total	7.9	7.7	mg/kg	3		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305464
Report Date: 04/16/13

SAMPLE RESULTS

Lab ID: L1305464-01
Client ID: E008015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/01/13 13:45
Date Received: 04/01/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.2		%	0.100	NA	1	-	04/02/13 19:22	30,2540G	RD

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305464
Report Date: 04/16/13

SAMPLE RESULTS

Lab ID: L1305464-02
Client ID: E003015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/01/13 13:00
Date Received: 04/01/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.2		%	0.100	NA	1	-	04/02/13 19:22	30,2540G	RD

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305464
Report Date: 04/16/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599072-1 QC Sample: L1305460-01 Client ID: DUP Sample						
Solids, Total	95.6	96.0	%	0		20

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305464
Report Date: 04/16/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 04/01/2013 23:56

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305464-01A	Vial MeOH preserved	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(14)
L1305464-01B	Vial water preserved	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(14)
L1305464-01C	Vial water preserved	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(14)
L1305464-01D	Plastic 2oz unpreserved for TS	A	N/A	2.3	Y	Absent	TS(7)
L1305464-01E	Amber 120ml unpreserved	A	N/A	2.3	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305464-01F	Amber 250ml unpreserved	A	N/A	2.3	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305464-02A	Vial MeOH preserved	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(14)
L1305464-02B	Vial water preserved	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(14)
L1305464-02C	Vial water preserved	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(14)
L1305464-02D	Plastic 2oz unpreserved for TS	A	N/A	2.3	Y	Absent	TS(7)
L1305464-02E	Amber 120ml unpreserved	A	N/A	2.3	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305464
Report Date: 04/16/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305464-02F	Amber 250ml unpreserved	A	N/A	2.3	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)

Container Comments

L1305464-02F

*Values in parentheses indicate holding time in days

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305464
Project Number:	Not Specified	**Report Date:**	04/16/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305464
Project Number:	Not Specified	**Report Date:**	04/16/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305464
Project Number:	Not Specified	**Report Date:**	04/16/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL — World Class Chemistry

Westborough, MA — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA — TEL: 508-822-9300 — FAX: 508-822-3288

Date Rec'd in Lab: 4/1/13

ALPHA Job #: L1305464

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/8/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Detection limits to meet NYSDEC Part 375 Requirements (Unrestricted)
Find %Moisture of each aliquot and calculate average for use as %Moisture of associated composite sample

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs-See attached list	Hexavalent Chromium-Hold	Cyanide-Hold	Metals-See attached list-Hold	PCBs-Hold	SVOCs-See attached list-Hold							Sample Specific Comments	TOTAL # BOTTLES
05464-01	E008015	4/1	1345	S	SK	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		
-02	E003015	4/1	1300	S	SK	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		
Container Type						-	-	-	-	-	-	-	-	-	-	-	-		
Preservative						-	-	-	-	-	-	-	-	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/1 1600	Robert Haines	4/1/13 1600
Robert Haines	4/1/13 2100	Kyle Cunningham	4/1/13 2100
Kyle Cunningham	4/1/13 23:40	[signature]	4/1/13 23:40

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 5-JAN-12)

BASF Corporation
Glens Falls, New York

Supplemental Chain of Custody

Fraction	Parameter	CAS	UNRESTRCT	RES	REST_RES	COMM	IND	ECO_PROT	GW_PROT	Alpha-RL	Alpha-MDL
Inorganic-Cyanide	Cyanide, total	57-12-5	27.000000	27.000000	27.000000	27.000000	10000.000000	999999.999000	40.000000	1.000000	0.234000
Metal	Arsenic	7440-38-2	13.000000	16.000000	16.000000	16.000000	16.000000	13.000000	16.000000	0.400000	0.136900
Metal	Barium	7440-39-3	350.000000	350.000000	400.000000	400.000000	10000.000000	433.000000	820.000000	0.400000	0.109000
Metal	Beryllium	7440-41-7	7.200000	14.000000	72.000000	590.000000	2700.000000	10.000000	47.000000	0.200000	0.014000
Metal	Cadmium	7440-43-9	2.500000	2.500000	4.300000	9.300000	60.000000	4.000000	7.500000	0.400000	0.025000
Metal	Copper	7440-50-8	50.000000	270.000000	270.000000	270.000000	10000.000000	50.000000	1720.000000	0.400000	0.185000
Metal	Lead	7439-92-1	63.000000	400.000000	400.000000	1000.000000	3900.000000	63.000000	450.000000	2.000000	0.112000
Metal	Nickel	7440-02-0	30.000000	140.000000	310.000000	310.000000	10000.000000	30.000000	130.000000	1.000000	0.157800
Metal	Selenium	7782-49-2	3.900000	36.000000	180.000000	1500.000000	6800.000000	3.900000	4.000000	0.800000	0.131000
Metal	Silver	7440-22-4	2.000000	36.000000	180.000000	1500.000000	6800.000000	2.000000	8.300000	0.400000	0.080000
Metal	Zinc	7440-66-6	109.000000	2200.000000	10000.000000	10000.000000	10000.000000	109.000000	2480.000000	2.000000	0.216000
Metal	Chromium	7440-47-3	1.000000	22.000000	110.000000	400.000000	800.000000	1.000000	19.000000	0.400000	0.018000
Metal	Chromium, Hexavalent	18540-29-9	1.000000	22.000000	110.000000	400.000000	800.000000	1.000000	19.000000	0.800000	0.160000
Metal	Mercury	7439-97-6	0.180000	0.810000	0.810000	2.800000	5.700000	0.180000	0.730000	0.080000	0.017000
PCBs	PCBs (Total)	1336-36-3	0.100000	1.000000	1.000000	1.000000	25.000000	1.000000	3.200000	0.033300	0.010045
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	0.167000	0.039000
SVOC	Dimethyl phthalate	131-11-3	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	0.167000	0.026000
SVOC-PAH	Benzo(a)anthracene	56-55-3	1.000000	1.000000	1.000000	5.600000	11.000000	999999.999000	1.000000	0.100000	0.030000
SVOC-PAH	Benzo(a)pyrene	50-32-8	1.000000	1.000000	1.000000	1.000000	1.100000	2.600000	22.000000	0.133000	0.026000
SVOC-PAH	Benzo(b) fluoranthene	205-99-2	1.000000	1.000000	1.000000	5.600000	11.000000	999999.999000	1.700000	0.100000	0.029000
SVOC-PAH	Benzo(k) fluoranthene	207-08-9	0.800000	1.000000	3.900000	56.000000	110.000000	999999.999000	1.700000	0.100000	0.031000
SVOC-PAH	Chrysene	218-01-9	1.000000	1.000000	3.900000	56.000000	110.000000	999999.999000	1.000000	0.100000	0.032000
SVOC-PAH	Dibenzo(ah) anthracene	53-70-3	0.330000	0.330000	0.330000	0.560000	1.100000	999999.999000	1000.000000	0.100000	0.031000
SVOC-PAH	Fluorene	86-73-7	30.000000	100.000000	100.000000	500.000000	1000.000000	30.000000	386.000000	0.167000	0.032000
SVOC-PAH	Indeno(1,2,3-cd)pyrene	193-39-5	0.500000	0.500000	0.500000	5.600000	11.000000	999999.999000	8.200000	0.133000	0.037000
SVOC-PAH	Phenanthrene	85-01-8	100.000000	100.000000	100.000000	500.000000	1000.000000	999999.999000	1000.000000	0.100000	0.027000
SVOC-Phenol	2-Chlorophenol	95-57-81	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	0.167000	0.037000
SVOC-Phenol	4-Methylphenol	106-44-5	0.330000	34.000000	100.000000	500.000000	1000.000000	999999.999000	0.330000	0.233000	0.042000
SVOC-Phenol	Pentachlorophenol	87-86-5	0.800000	2.400000	6.700000	6.700000	55.000000	0.800000	0.800000	0.133000	0.035000
SVOC-Phenol	Phenol	108-95-2	0.330000	100.000000	100.000000	500.000000	1000.000000	30.000000	0.330000	0.167000	0.040000
VOC	1,2-Dichlorobenzene	95-50-1	1.100000	100.000000	100.000000	500.000000	1000.000000	999999.999000	1.100000	0.004000	0.001830
VOC	1,2-Dichloroethane	107-06-2	0.020000	2.300000	3.100000	30.000000	60.000000	10.000000	0.020000	0.001000	0.000146
VOC	1,3-Dichlorobenzene	541-73-1	2.400000	17.000000	49.000000	280.000000	560.000000	999999.999000	2.400000	0.004000	0.000183
VOC	1,4-Dichlorobenzene	106-46-7	1.800000	9.800000	13.000000	130.000000	250.000000	20.000000	1.800000	0.004000	0.000242
VOC	Benzene	71-43-2	0.060000	2.900000	4.800000	44.000000	89.000000	70.000000	0.060000	0.001000	0.000118
VOC	Carbon Tetrachloride	56-23-5	0.760000	1.400000	2.400000	22.000000	44.000000	999999.999000	0.760000	0.001000	0.000210
VOC	Chlorobenzene	108-90-7	1.100000	100.000000	100.000000	500.000000	1000.000000	40.000000	1.100000	0.001000	0.000348
VOC	Chloroform	67-66-3	0.370000	10.000000	49.000000	350.000000	700.000000	12.000000	0.370000	0.001500	0.000348
VOC	Chloromethane	74-87-3	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	0.004000	0.000168
VOC	cis-1,2-Dichloroethene	156-59-2	0.250000	59.000000	100.000000	500.000000	1000.000000	999999.999000	0.250000	0.001000	0.000149
VOC	Ethylbenzene	100-41-4	1.000000	30.000000	41.000000	390.000000	780.000000	999999.999000	1.000000	0.001000	0.000147
VOC	Toluene	108-88-3	0.700000	100.000000	100.000000	500.000000	1000.000000	36.000000	0.700000	0.001500	0.000112
VOC	trans-1,2-Dichloroethene	156-60-5	0.190000	100.000000	100.000000	500.000000	1000.000000	999999.999000	0.190000	0.001500	0.000212
VOC	Trichloroethene	79-01-6	0.470000	10.000000	21.000000	200.000000	400.000000	2.000000	0.470000	0.001000	0.000152
VOC	Vinyl chloride	75-01-4	0.020000	0.210000	0.900000	13.000000	27.000000	999999.999000	0.020000	0.002000	0.000820

ANALYTICAL REPORT

Lab Number:	L1305968
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/10/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305968
Report Date: 04/10/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305968-01	P001015	GLENS FALLS NEW YORK	04/03/13 08:45

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305968
Project Number: Not Specified **Report Date:** 04/10/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305968
Project Number: Not Specified **Report Date:** 04/10/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

The sample was received on April 3, 2013 at 16:00 without a chain-of-custody form. The analyses were performed according to the client's request.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 04/10/13

ORGANICS

VOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305968

Project Number: Not Specified **Report Date:** 04/10/13

SAMPLE RESULTS

Lab ID:	L1305968-01	Date Collected:	04/03/13 08:45
Client ID:	P001015	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/09/13 13:46		
Analyst:	BN		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.4	0.35	1
Carbon tetrachloride	ND		ug/kg	0.96	0.20	1
Chlorobenzene	ND		ug/kg	0.96	0.33	1
1,2-Dichloroethane	ND		ug/kg	0.96	0.14	1
Benzene	ND		ug/kg	0.96	0.11	1
Toluene	ND		ug/kg	1.4	0.11	1
Ethylbenzene	ND		ug/kg	0.96	0.14	1
Chloromethane	ND		ug/kg	4.8	0.75	1
Vinyl chloride	ND		ug/kg	1.9	0.14	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.96	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	4.8	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	4.8	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	4.8	0.23	1
cis-1,2-Dichloroethene	ND		ug/kg	0.96	0.14	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	102		70-130

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305968
Report Date: 04/10/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/09/13 10:57
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG600599-3					
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.44	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Vinyl chloride	ND		ug/kg	2.0	0.14
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305968
Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG600599-1 WG600599-2								
Methylene chloride	89		90		70-130	1		30
1,1-Dichloroethane	93		90		70-130	3		30
Chloroform	87		85		70-130	2		30
Carbon tetrachloride	83		78		70-130	6		30
1,2-Dichloropropane	90		89		70-130	1		30
Dibromochloromethane	83		85		70-130	2		30
2-Chloroethylvinyl ether	90		89			1		30
1,1,2-Trichloroethane	93		96		70-130	3		30
Tetrachloroethene	84		80		70-130	5		30
Chlorobenzene	86		86		70-130	0		30
Trichlorofluoromethane	95		88		70-139	8		30
1,2-Dichloroethane	92		93		70-130	1		30
1,1,1-Trichloroethane	86		82		70-130	5		30
Bromodichloromethane	87		87		70-130	0		30
trans-1,3-Dichloropropene	92		95		70-130	3		30
cis-1,3-Dichloropropene	85		86		70-130	1		30
1,1-Dichloropropene	89		84		70-130	6		30
Bromoform	82		83		70-130	1		30
1,1,2,2-Tetrachloroethane	95		96		70-130	1		30
Benzene	86		86		70-130	0		30
Toluene	91		89		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305968
Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG600599-1 WG600599-2								
Ethylbenzene	89		88		70-130	1		30
Chloromethane	120		119		52-130	1		30
Bromomethane	110		104		57-147	6		30
Vinyl chloride	109		103		67-130	6		30
Chloroethane	103		99		50-151	4		30
1,1-Dichloroethene	89		86		65-135	3		30
trans-1,2-Dichloroethene	86		83		70-130	4		30
Trichloroethene	86		83		70-130	4		30
1,2-Dichlorobenzene	85		86		70-130	1		30
1,3-Dichlorobenzene	86		86		70-130	0		30
1,4-Dichlorobenzene	86		87		70-130	1		30
Methyl tert butyl ether	83		84		66-130	1		30
p/m-Xylene	87		85		70-130	2		30
o-Xylene	85		86		70-130	1		30
cis-1,2-Dichloroethene	83		81		70-130	2		30
Dibromomethane	88		88		70-130	0		30
Styrene	87		87		70-130	0		30
Dichlorodifluoromethane	113		106		30-146	6		30
Acetone	**151**	Q	134		54-140	12		30
Carbon disulfide	89		84		59-130	6		30
2-Butanone	130		122		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305968
Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG600599-1 WG600599-2								
Vinyl acetate	95		97		70-130	2		30
4-Methyl-2-pentanone	78		79		70-130	1		30
1,2,3-Trichloropropane	100		101		68-130	1		30
2-Hexanone	114		109		70-130	4		30
Bromochloromethane	81		82		70-130	1		30
2,2-Dichloropropane	91		87		70-130	4		30
1,2-Dibromoethane	85		87		70-130	2		30
1,3-Dichloropropane	92		94		69-130	2		30
1,1,1,2-Tetrachloroethane	84		84		70-130	0		30
Bromobenzene	83		84		70-130	1		30
n-Butylbenzene	97		94		70-130	3		30
sec-Butylbenzene	92		88		70-130	4		30
tert-Butylbenzene	87		85		70-130	2		30
o-Chlorotoluene	89		98		70-130	10		30
p-Chlorotoluene	95		94		70-130	1		30
1,2-Dibromo-3-chloropropane	94		97		68-130	3		30
Hexachlorobutadiene	86		87		67-130	1		30
Isopropylbenzene	88		86		70-130	2		30
p-Isopropyltoluene	88		85		70-130	3		30
Naphthalene	81		83		70-130	2		30
Acrylonitrile	96		96		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305968
Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG600599-1 WG600599-2								
Isopropyl Ether	95		97		66-130	2		30
tert-Butyl Alcohol	92		90		70-130	2		30
n-Propylbenzene	94		91		70-130	3		30
1,2,3-Trichlorobenzene	83		86		70-130	4		30
1,2,4-Trichlorobenzene	83		84		70-130	1		30
1,3,5-Trimethylbenzene	92		90		70-130	2		30
1,2,4-Trimethylbenzene	91		89		70-130	2		30
Methyl Acetate	100		100		70-130	0		30
Ethyl Acetate	97		91		70-130	6		30
Acrolein	102		100		70-130	2		30
Cyclohexane	101		94		70-130	7		30
1,4-Dioxane	87		87		65-136	0		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	96		88		70-130	9		30
1,4-Diethylbenzene	88		87		70-130	1		30
4-Ethyltoluene	91		88		70-130	3		30
1,2,4,5-Tetramethylbenzene	84		86		70-130	2		30
Tetrahydrofuran	95		92		66-130	3		30
Ethyl ether	72		86		67-130	18		30
trans-1,4-Dichloro-2-butene	112		114		70-130	2		30
Methyl cyclohexane	90		84		70-130	7		30
Ethyl-Tert-Butyl-Ether	88		88		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305968
Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG600599-1 WG600599-2								
Tertiary-Amyl Methyl Ether	81		82		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		112		70-130
Toluene-d8	108		109		70-130
4-Bromofluorobenzene	105		105		70-130
Dibromofluoromethane	98		97		70-130

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305968

Project Number: Not Specified **Report Date:** 04/10/13

SAMPLE RESULTS

Lab ID:	L1305968-01	Date Collected:	04/03/13 08:45
Client ID:	P001015	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/09/13 17:19
Analytical Date:	04/10/13 12:35		
Analyst:	RC		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	51.	1
Dimethyl phthalate	ND		ug/kg	190	50.	1
Benzo(a)anthracene	ND		ug/kg	120	38.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	39.	1
Benzo(k)fluoranthene	ND		ug/kg	120	37.	1
Chrysene	ND		ug/kg	120	38.	1
Fluorene	ND		ug/kg	190	56.	1
Phenanthrene	ND		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	43.	1
2-Chlorophenol	ND		ug/kg	190	59.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	190	58.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		25-120
Phenol-d6	52		10-120
Nitrobenzene-d5	47		23-120
2-Fluorobiphenyl	57		30-120
2,4,6-Tribromophenol	71		0-136
4-Terphenyl-d14	59		18-120

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305968
Report Date: 04/10/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/10/13 10:49
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 04/09/13 17:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG600559-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	43.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	32.
Chrysene	ND		ug/kg	99	32.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	37.
2-Chlorophenol	ND		ug/kg	160	50.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	54		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	72		0-136
4-Terphenyl-d14	71		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305968
Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG600559-2 WG600559-3								
Acenaphthene	75		74		31-137	1		50
1,2,4-Trichlorobenzene	83		82		38-107	1		50
Hexachlorobenzene	86		83		40-140	4		50
Bis(2-chloroethyl)ether	69		69		40-140	0		50
2-Chloronaphthalene	82		80		40-140	2		50
1,2-Dichlorobenzene	77		76		40-140	1		50
1,3-Dichlorobenzene	77		77		40-140	0		50
1,4-Dichlorobenzene	75		76		28-104	1		50
3,3'-Dichlorobenzidine	60		46		40-140	26		50
2,4-Dinitrotoluene	81		81		28-89	0		50
2,6-Dinitrotoluene	82		88		40-140	7		50
Fluoranthene	79		80		40-140	1		50
4-Chlorophenyl phenyl ether	79		79		40-140	0		50
4-Bromophenyl phenyl ether	87		90		40-140	3		50
Bis(2-chloroisopropyl)ether	50		52		40-140	4		50
Bis(2-chloroethoxy)methane	68		68		40-117	0		50
Hexachlorobutadiene	91		85		40-140	7		50
Hexachlorocyclopentadiene	55		51		40-140	8		50
Hexachloroethane	76		76		40-140	0		50
Isophorone	66		70		40-140	6		50
Naphthalene	78		76		40-140	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305968
Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG600559-2 WG600559-3								
Nitrobenzene	73		68		40-140	7		50
NitrosoDiPhenylAmine(NDPA)/DPA	79		82			4		50
n-Nitrosodi-n-propylamine	67		64		32-121	5		50
Bis(2-Ethylhexyl)phthalate	73		76		40-140	4		50
Butyl benzyl phthalate	77		76		40-140	1		50
Di-n-butylphthalate	75		77		40-140	3		50
Di-n-octylphthalate	72		77		40-140	7		50
Diethyl phthalate	83		82		40-140	1		50
Dimethyl phthalate	80		82		40-140	2		50
Benzo(a)anthracene	79		80		40-140	1		50
Benzo(a)pyrene	80		79		40-140	1		50
Benzo(b)fluoranthene	80		80		40-140	0		50
Benzo(k)fluoranthene	79		80		40-140	1		50
Chrysene	80		78		40-140	3		50
Acenaphthylene	77		79		40-140	3		50
Anthracene	77		77		40-140	0		50
Benzo(ghi)perylene	82		78		40-140	5		50
Fluorene	77		75		40-140	3		50
Phenanthrene	77		77		40-140	0		50
Dibenzo(a,h)anthracene	83		79		40-140	5		50
Indeno(1,2,3-cd)Pyrene	81		78		40-140	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305968
Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG600559-2 WG600559-3								
Pyrene	81		78		35-142	4		50
Biphenyl	81		80			1		50
4-Chloroaniline	53		43		40-140	21		50
2-Nitroaniline	76		82		47-134	8		50
3-Nitroaniline	64		50		26-129	25		50
4-Nitroaniline	80		80		41-125	0		50
Dibenzofuran	79		77		40-140	3		50
2-Methylnaphthalene	78		74		40-140	5		50
1,2,4,5-Tetrachlorobenzene	86		83		40-117	4		50
Acetophenone	79		76		14-144	4		50
2,4,6-Trichlorophenol	87		88		30-130	1		50
P-Chloro-M-Cresol	82		83		26-103	1		50
2-Chlorophenol	80		79		25-102	1		50
2,4-Dichlorophenol	87		85		30-130	2		50
2,4-Dimethylphenol	78		78		30-130	0		50
2-Nitrophenol	79		78		30-130	1		50
4-Nitrophenol	85		86		11-114	1		50
2,4-Dinitrophenol	63		71		4-130	12		50
4,6-Dinitro-o-cresol	78		80		10-130	3		50
Pentachlorophenol	76		74		17-109	3		50
Phenol	71		69		26-90	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305968
Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG600559-2 WG600559-3								
2-Methylphenol	73		76		30-130.	4		50
3-Methylphenol/4-Methylphenol	76		79		30-130	4		50
2,4,5-Trichlorophenol	84		84		30-130	0		50
Benzoic Acid	17		16			6		50
Benzyl Alcohol	74		74		40-140	0		50
Carbazole	79		78		54-128	1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	82		78		25-120
Phenol-d6	78		73		10-120
Nitrobenzene-d5	74		72		23-120
2-Fluorobiphenyl	82		80		30-120
2,4,6-Tribromophenol	92		85		0-136
4-Terphenyl-d14	74		73		18-120

PCBS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305968

Project Number: Not Specified **Report Date:** 04/10/13

SAMPLE RESULTS

Lab ID:	L1305968-01	Date Collected:	04/03/13 08:45
Client ID:	P001015	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	04/06/13 09:40
Analytical Date:	04/08/13 15:48	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	04/07/13
Percent Solids:	84%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	04/07/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	37.5	7.40	1
Aroclor 1221	ND		ug/kg	37.5	11.3	1
Aroclor 1232	ND		ug/kg	37.5	7.96	1
Aroclor 1242	ND		ug/kg	37.5	7.11	1
Aroclor 1248	ND		ug/kg	37.5	4.54	1
Aroclor 1254	ND		ug/kg	37.5	5.91	1
Aroclor 1260	ND		ug/kg	37.5	6.51	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	48		30-150
Decachlorobiphenyl	38		30-150
2,4,5,6-Tetrachloro-m-xylene	48		30-150
Decachlorobiphenyl	39		30-150

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305968

Report Date: 04/10/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/08/13 17:14
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 04/06/13 09:40
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/07/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/07/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG600014-1					
Aroclor 1016	ND		ug/kg	32.6	6.43
Aroclor 1221	ND		ug/kg	32.6	9.82
Aroclor 1232	ND		ug/kg	32.6	6.91
Aroclor 1242	ND		ug/kg	32.6	6.18
Aroclor 1248	ND		ug/kg	32.6	3.94
Aroclor 1254	ND		ug/kg	32.6	5.13
Aroclor 1260	ND		ug/kg	32.6	5.65

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	95		30-150
Decachlorobiphenyl	89		30-150
2,4,5,6-Tetrachloro-m-xylene	90		30-150
Decachlorobiphenyl	97		30-150

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305968
Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG600014-2 WG600014-3								
Aroclor 1016	84		76		40-140	10		50
Aroclor 1260	65		59		40-140	10		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	101		88		30-150
Decachlorobiphenyl	86		72		30-150
2,4,5,6-Tetrachloro-m-xylene	91		84		30-150
Decachlorobiphenyl	92		79		30-150

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305968
Project Number: Not Specified
Report Date: 04/10/13

SAMPLE RESULTS

Lab ID: L1305968-01
Client ID: P001015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 84%

Date Collected: 04/03/13 08:45
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.0		mg/kg	0.45	0.13	1	04/09/13 09:10	04/09/13 22:14	EPA 3050B	1,6010C	MS
Barium, Total	90		mg/kg	0.45	0.13	1	04/09/13 09:10	04/09/13 22:14	EPA 3050B	1,6010C	MS
Beryllium, Total	0.37		mg/kg	0.22	0.02	1	04/09/13 09:10	04/09/13 22:14	EPA 3050B	1,6010C	MS
Cadmium, Total	ND		mg/kg	0.45	0.03	1	04/09/13 09:10	04/09/13 22:14	EPA 3050B	1,6010C	MS
Chromium, Total	12		mg/kg	0.45	0.09	1	04/09/13 09:10	04/09/13 22:14	EPA 3050B	1,6010C	MS
Copper, Total	15		mg/kg	0.45	0.22	1	04/09/13 09:10	04/09/13 22:14	EPA 3050B	1,6010C	MS
Lead, Total	10		mg/kg	2.2	0.13	1	04/09/13 09:10	04/09/13 22:14	EPA 3050B	1,6010C	MS
Mercury, Total	0.06	J	mg/kg	0.09	0.02	1	04/10/13 11:33	04/10/13 16:06	EPA 7471B	1,7471B	MC
Nickel, Total	8.7		mg/kg	1.1	0.18	1	04/09/13 09:10	04/09/13 22:14	EPA 3050B	1,6010C	MS
Selenium, Total	0.53	J	mg/kg	0.90	0.13	1	04/09/13 09:10	04/09/13 22:14	EPA 3050B	1,6010C	MS
Silver, Total	ND		mg/kg	0.45	0.09	1	04/09/13 09:10	04/09/13 22:14	EPA 3050B	1,6010C	MS
Zinc, Total	26		mg/kg	2.2	0.22	1	04/09/13 09:10	04/09/13 22:14	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305968

Project Number: Not Specified **Report Date:** 04/10/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG600405-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Barium, Total	ND		mg/kg	0.40	0.12	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Copper, Total	ND		mg/kg	0.40	0.20	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Lead, Total	0.13	J	mg/kg	2.0	0.12	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Silver, Total	ND		mg/kg	0.40	0.08	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Zinc, Total	ND		mg/kg	2.0	0.20	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG600660-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/10/13 11:33	04/10/13 15:12	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305968
Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG600405-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	104		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	98		-		82-117	-		
Chromium, Total	101		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	104		-		80-120	-		
Nickel, Total	104		-		82-117	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	100		-		66-134	-		
Zinc, Total	106		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG600660-2 SRM Lot Number: 0518-10-02								
Mercury, Total	111		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305968
Report Date: 04/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600405-4 QC Sample: L1305685-01 Client ID: MS Sample												
Arsenic, Total	2.3	11.1	14	106		-	-		75-125	-		35
Barium, Total	28.	185	210	98		-	-		75-125	-		35
Beryllium, Total	0.30	4.62	4.9	100		-	-		75-125	-		35
Cadmium, Total	ND	47.1	42	89		-	-		75-125	-		35
Chromium, Total	9.0	18.5	27	97		-	-		75-125	-		35
Copper, Total	14.	23.1	38	104		-	-		75-125	-		35
Lead, Total	6.5	47.1	55	103		-	-		75-125	-		35
Nickel, Total	8.9	46.2	53	96		-	-		75-125	-		35
Selenium, Total	0.75J	11.1	12	108		-	-		75-125	-		35
Silver, Total	ND	27.7	30	108		-	-		75-125	-		35
Zinc, Total	24.	46.2	70	100		-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600660-4 QC Sample: L1305746-01 Client ID: MS Sample												
Mercury, Total	ND	0.17	0.20	118		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305968
Report Date: 04/10/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600405-3 QC Sample: L1305685-01 Client ID: DUP Sample						
Arsenic, Total	2.3	2.2	mg/kg	4		35
Barium, Total	28.	25	mg/kg	11		35
Beryllium, Total	0.30	0.30	mg/kg	0		35
Cadmium, Total	ND	ND	mg/kg	NC		35
Chromium, Total	9.0	9.5	mg/kg	5		35
Copper, Total	14.	16	mg/kg	13		35
Lead, Total	6.5	6.2	mg/kg	5		35
Nickel, Total	8.9	8.8	mg/kg	1		35
Selenium, Total	0.75J	0.60J	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Zinc, Total	24.	25	mg/kg	4		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600660-3 QC Sample: L1305746-01 Client ID: DUP Sample						
Mercury, Total	ND	0.02J	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305968
Report Date: 04/10/13

SAMPLE RESULTS

Lab ID: L1305968-01
Client ID: P001015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/03/13 08:45
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.2		%	0.100	NA	1	-	04/06/13 12:13	30,2540G	TA
Cyanide, Total	ND		mg/kg	1.1	0.27	1	04/08/13 14:00	04/09/13 13:42	1,9010C/9012A	DE

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305968

Project Number: Not Specified **Report Date:** 04/10/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG600310-1										
Cyanide, Total	ND		mg/kg	0.89	0.21	1	04/08/13 14:00	04/09/13 13:06	1,9010C/9012A	DE

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305968

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG600310-4 WG600310-5								
Cyanide, Total	113		115		80-120	2		35

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305968
Report Date: 04/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600310-3 WG600310-2 QC Sample: L1305478-18 Client ID: MS Sample												
Cyanide, Total	ND	13	13	100		15	110		65-135	14		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305968
Report Date: 04/10/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600031-1 QC Sample: L1305796-01 Client ID: DUP Sample						
Solids, Total	92.4	93.2	%	1		20

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305968
Report Date: 04/10/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 04/04/2013 14:06

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305968-01A	Vial MeOH preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305968-01B	Vial water preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305968-01C	Vial water preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305968-01D	Amber 100ml unpreserved	A	N/A	3.5	Y	Absent	TS(7)
L1305968-01E	Amber 120ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1305968-01F	Amber 250ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305968
Project Number:	Not Specified	**Report Date:**	04/10/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305968
Project Number:	Not Specified	**Report Date:**	04/10/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305968
Project Number:	Not Specified	**Report Date:**	04/10/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1305968

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls, New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt. Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

Report Information — Data Deliverables

☐ FAX ☒ EMAIL

☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	

Other Project Specific Requirements/Comments/Detection Limits:

Detection limits to meet NYSDEC Part 375 Requirements (Unrestricted)

ANALYSIS

SAMPLE HANDLING

Filtration

☐ Done

☐ Not Needed

☐ Lab to do

Preservation

☐ Lab to do

(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs-see attached list	Cyanide	Metals-see attached list	PCBs	SVOCs-see attached list								Sample Specific Comments	TOTAL # BOTTLES
L1305968-01	P001015	4/3/13	0845	S	SK	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐		2
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		2
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		2
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		2
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						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		3
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		3
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
				Container Type		-	-	-	-	-	-	-	-	-	-	-	-		
				Preservative		-	-	-	-	-	-	-	-	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ)
(rev. 5-JAN-12)

ANALYTICAL REPORT

Lab Number:	L1305882
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/12/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305882
Report Date: 04/12/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305882-01	S006S007	GLENS FALLS NEW YORK	04/04/13 08:20

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305882
Project Number: Not Specified **Report Date:** 04/12/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305882
Project Number: Not Specified **Report Date:** 04/12/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

L1305882-01 has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 04/12/13

ORGANICS

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305882

Project Number: Not Specified **Report Date:** 04/12/13

SAMPLE RESULTS

Lab ID:	L1305882-01 D	Date Collected:	04/04/13 08:20
Client ID:	S006S007	Date Received:	04/04/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/08/13 12:41
Analytical Date:	04/10/13 19:33		
Analyst:	RC		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	ND		ug/kg	1300	330	6.6
Dimethyl phthalate	ND		ug/kg	1300	320	6.6
Benzo(a)anthracene	620	J	ug/kg	760	250	6.6
Benzo(a)pyrene	720	J	ug/kg	1000	310	6.6
Benzo(b)fluoranthene	850		ug/kg	760	260	6.6
Benzo(k)fluoranthene	300	J	ug/kg	760	240	6.6
Chrysene	620	J	ug/kg	760	250	6.6
Fluorene	ND		ug/kg	1300	360	6.6
Phenanthrene	480	J	ug/kg	760	250	6.6
Dibenzo(a,h)anthracene	ND		ug/kg	760	240	6.6
Indeno(1,2,3-cd)pyrene	430	J	ug/kg	1000	280	6.6
2-Chlorophenol	ND		ug/kg	1300	380	6.6
Pentachlorophenol	ND		ug/kg	1000	270	6.6
Phenol	ND		ug/kg	1300	380	6.6
3-Methylphenol/4-Methylphenol	ND		ug/kg	1800	420	6.6

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	**143**	Q	0-136
4-Terphenyl-d14	99		18-120

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305882
Report Date: 04/12/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/09/13 22:17
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 04/08/13 12:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG600231-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	50	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	50	17.
Benzo(k)fluoranthene	ND		ug/kg	50	16.
Chrysene	ND		ug/kg	50	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	50	16.
Dibenzo(a,h)anthracene	ND		ug/kg	50	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	50		30-120
2,4,6-Tribromophenol	52		0-136
4-Terphenyl-d14	57		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305882

Report Date: 04/12/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG600231-2 WG600231-3								
Acenaphthene	68		75		31-137	10		50
1,2,4-Trichlorobenzene	52		67		38-107	25		50
Hexachlorobenzene	68		72		40-140	6		50
Bis(2-chloroethyl)ether	60		77		40-140	25		50
2-Chloronaphthalene	62		73		40-140	16		50
1,2-Dichlorobenzene	55		73		40-140	28		50
1,3-Dichlorobenzene	54		70		40-140	26		50
1,4-Dichlorobenzene	55		70		28-104	24		50
3,3'-Dichlorobenzidine	57		53		40-140	7		50
2,4-Dinitrotoluene	76		78		28-89	3		50
2,6-Dinitrotoluene	69		73		40-140	6		50
Fluoranthene	72		76		40-140	5		50
4-Chlorophenyl phenyl ether	68		72		40-140	6		50
4-Bromophenyl phenyl ether	68		69		40-140	1		50
Bis(2-chloroisopropyl)ether	68		85		40-140	22		50
Bis(2-chloroethoxy)methane	67		82		40-117	20		50
Hexachlorobutadiene	54		70		40-140	26		50
Hexachlorocyclopentadiene	47		62		40-140	28		50
Hexachloroethane	62		79		40-140	24		50
Isophorone	66		79		40-140	18		50
Naphthalene	57		72		40-140	23		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305882

Report Date: 04/12/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG600231-2 WG600231-3								
Nitrobenzene	61		78		40-140	24		50
NitrosoDiPhenylAmine(NDPA)/DPA	72		75			4		50
n-Nitrosodi-n-propylamine	69		85		32-121	21		50
Bis(2-Ethylhexyl)phthalate	93		97		40-140	4		50
Butyl benzyl phthalate	80		83		40-140	4		50
Di-n-butylphthalate	83		87		40-140	5		50
Di-n-octylphthalate	92		95		40-140	3		50
Diethyl phthalate	80		83		40-140	4		50
Dimethyl phthalate	76		79		40-140	4		50
Benzo(a)anthracene	77		80		40-140	4		50
Benzo(a)pyrene	78		81		40-140	4		50
Benzo(b)fluoranthene	74		78		40-140	5		50
Benzo(k)fluoranthene	79		82		40-140	4		50
Chrysene	79		82		40-140	4		50
Acenaphthylene	63		70		40-140	11		50
Anthracene	77		81		40-140	5		50
Benzo(ghi)perylene	78		82		40-140	5		50
Fluorene	71		76		40-140	7		50
Phenanthrene	75		80		40-140	6		50
Dibenzo(a,h)anthracene	78		82		40-140	5		50
Indeno(1,2,3-cd)Pyrene	74		78		40-140	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305882

Report Date: 04/12/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG600231-2 WG600231-3								
Pyrene	72		74		35-142	3		50
Biphenyl	69		79			14		50
4-Chloroaniline	46		59		40-140	25		50
2-Nitroaniline	73		77		47-134	5		50
3-Nitroaniline	46		41		26-129	11		50
4-Nitroaniline	77		78		41-125	1		50
Dibenzofuran	68		75		40-140	10		50
2-Methylnaphthalene	55		65		40-140	17		50
1,2,4,5-Tetrachlorobenzene	66		79		40-117	18		50
Acetophenone	69		86		14-144	22		50
2,4,6-Trichlorophenol	66		71		30-130	7		50
P-Chloro-M-Cresol	77		84		26-103	9		50
2-Chlorophenol	64		82		25-102	25		50
2,4-Dichlorophenol	66		79		30-130	18		50
2,4-Dimethylphenol	70		84		30-130	18		50
2-Nitrophenol	63		77		30-130	20		50
4-Nitrophenol	51		45		11-114	13		50
2,4-Dinitrophenol	32		37		4-130	14		50
4,6-Dinitro-o-cresol	70		73		10-130	4		50
Pentachlorophenol	65		69		17-109	6		50
Phenol	69		86		26-90	22		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305882

Report Date: 04/12/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG600231-2 WG600231-3								
2-Methylphenol	68		85		30-130.	22		50
3-Methylphenol/4-Methylphenol	70		87		30-130	22		50
2,4,5-Trichlorophenol	70		73		30-130	4		50
Benzoic Acid	0		0			NC		50
Benzyl Alcohol	71		90		40-140	24		50
Carbazole	75		80		54-128	6		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	66		80		25-120
Phenol-d6	69		83		10-120
Nitrobenzene-d5	64		77		23-120
2-Fluorobiphenyl	58		65		30-120
2,4,6-Tribromophenol	71		73		0-136
4-Terphenyl-d14	59		59		18-120

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305882
Project Number: Not Specified
Report Date: 04/12/13

SAMPLE RESULTS

Lab ID: L1305882-01
Client ID: S006S007
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 86%

Date Collected: 04/04/13 08:20
Date Received: 04/04/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	3.5		mg/kg	0.45	0.14	2	04/10/13 12:26	04/11/13 11:51	EPA 3050B	1,6010C	MG
Barium, Total	100		mg/kg	0.45	0.14	2	04/10/13 12:26	04/11/13 11:51	EPA 3050B	1,6010C	MG
Beryllium, Total	0.52		mg/kg	0.22	0.02	2	04/10/13 12:26	04/11/13 11:51	EPA 3050B	1,6010C	MG
Cadmium, Total	110		mg/kg	0.45	0.03	2	04/10/13 12:26	04/11/13 11:51	EPA 3050B	1,6010C	MG
Chromium, Total	100		mg/kg	0.45	0.09	2	04/10/13 12:26	04/11/13 11:51	EPA 3050B	1,6010C	MG
Copper, Total	32		mg/kg	0.45	0.22	2	04/10/13 12:26	04/11/13 11:51	EPA 3050B	1,6010C	MG
Lead, Total	280		mg/kg	2.2	0.14	2	04/10/13 12:26	04/11/13 11:51	EPA 3050B	1,6010C	MG
Mercury, Total	9.1		mg/kg	0.81	0.17	10	04/11/13 10:15	04/11/13 13:51	EPA 7471B	1,7471B	MC
Nickel, Total	17		mg/kg	1.1	0.18	2	04/10/13 12:26	04/11/13 11:51	EPA 3050B	1,6010C	MG
Selenium, Total	1.2		mg/kg	0.90	0.14	2	04/10/13 12:26	04/11/13 11:51	EPA 3050B	1,6010C	MG
Silver, Total	0.12	J	mg/kg	0.45	0.09	2	04/10/13 12:26	04/11/13 11:51	EPA 3050B	1,6010C	MG
Zinc, Total	110		mg/kg	2.2	0.22	2	04/10/13 12:26	04/11/13 11:51	EPA 3050B	1,6010C	MG

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305882

Project Number: Not Specified **Report Date:** 04/12/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG600776-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.20	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Lead, Total	0.13	J	mg/kg	2.0	0.12	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Zinc, Total	0.22	J	mg/kg	2.0	0.20	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG600979-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/11/13 10:15	04/11/13 12:26	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305882

Report Date: 04/12/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG600776-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	94		-		81-119	-		
Barium, Total	96		-		83-118	-		
Beryllium, Total	92		-		83-117	-		
Cadmium, Total	89		-		82-117	-		
Chromium, Total	92		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	96		-		80-120	-		
Nickel, Total	94		-		82-117	-		
Selenium, Total	80		-		80-120	-		
Silver, Total	91		-		66-134	-		
Zinc, Total	91		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG600979-2 SRM Lot Number: 0518-10-02								
Mercury, Total	114		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305882
Report Date: 04/12/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600776-4 QC Sample: L1305865-01 Client ID: MS Sample												
Arsenic, Total	3.6	10.5	13	89		-	-		75-125	-		35
Barium, Total	100	176	250	85		-	-		75-125	-		35
Beryllium, Total	0.48	4.39	4.3	87		-	-		75-125	-		35
Cadmium, Total	0.15J	4.48	36	80		-	-		75-125	-		35
Chromium, Total	24.	17.6	39	85		-	-		75-125	-		35
Copper, Total	49.	22	55	**27**	Q	-	-		75-125	-		35
Lead, Total	50.	44.8	66	**36**	Q	-	-		75-125	-		35
Nickel, Total	18.	43.9	55	84		-	-		75-125	-		35
Selenium, Total	1.3J	10.5	8.9	84		-	-		75-125	-		35
Silver, Total	ND	26.3	28	106		-	-		75-125	-		35
Zinc, Total	120	43.9	120	**0**	Q	-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600979-4 QC Sample: L1305504-01 Client ID: MS Sample												
Mercury, Total	0.17	0.158	0.45	**177**	Q	-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305882
Report Date: 04/12/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600776-3 QC Sample: L1305865-01 Client ID: DUP Sample						
Arsenic, Total	3.6	2.5	mg/kg	**36**	Q	35
Barium, Total	100	110	mg/kg	10		35
Beryllium, Total	0.48	0.40J	mg/kg	NC		35
Cadmium, Total	0.15J	ND	mg/kg	NC		35
Chromium, Total	24.	26	mg/kg	8		35
Copper, Total	49.	36	mg/kg	31		35
Lead, Total	50.	33	mg/kg	**41**	Q	35
Nickel, Total	18.	19	mg/kg	5		35
Selenium, Total	1.3J	0.46J	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Zinc, Total	120	78	mg/kg	**42**	Q	35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600979-3 QC Sample: L1305504-01 Client ID: DUP Sample						
Mercury, Total	0.17	0.12	mg/kg	34		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305882
Report Date: 04/12/13

SAMPLE RESULTS

Lab ID: L1305882-01
Client ID: S006S007
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Date Collected: 04/04/13 08:20
Date Received: 04/04/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.8		%	0.100	NA	1	-	04/05/13 15:49	30,2540G	RD
Cyanide, Total	ND		mg/kg	1.1	0.25	2	04/10/13 13:15	04/12/13 01:17	1,9010C/9012A	JO

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305882
Project Number: Not Specified
Report Date: 04/12/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG600808-1										
Cyanide, Total	ND		mg/kg	0.93	0.22	1	04/10/13 13:15	04/12/13 01:12	1,9010C/9012A	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305882

Report Date: 04/12/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG600808-4 WG600808-5								
Cyanide, Total	106		106		80-120	0		35

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305882
Report Date: 04/12/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600808-3 WG600808-2 QC Sample: L1306045-01 Client ID: MS Sample												
Cyanide, Total	ND	10	11	100		11	100		65-135	0		35

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305882
Project Number:	Not Specified	**Report Date:**	04/12/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305882
Project Number:	Not Specified	**Report Date:**	04/12/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
World Class Chemistry

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab: 4/5/13

ALPHA Job #: L1305882

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Extract/Digest Sample 5006015 and Sample 5007015.
Composite and analyze Extract/Digestate as Sample inidicated below.
Detection limits to meet NYSDEC Part 375 Requirements (0.5 x Unrestricted)
Use average of associated aliquot %Moisture for result calculations

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cyanide	Metals-See attached list (no Cr6+)	PCBs	SVOCs-See attached list	Sample Specific Comments	TOTAL # BOTTLES
05882. 1	50065007	4/4	820	S	[illegible]	☒	☒	☐	☒		

Container Type	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/4 1105	Robert Haine	4/4/13 1105
Robert Haine	4/4/13 2030	Kyle Cunningham	4-4-13 2030
Kyle Cunningham	4/5/13 0030	[signature]	4/5/13 0030

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ)
(rev. 5-JAN-12)

ANALYTICAL REPORT

Lab Number:	L1305881
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/26/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305881
Report Date: 04/26/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305881-01	S006015	GLENS FALLS NEW YORK	04/04/13 08:20
L1305881-02	S007015	GLENS FALLS NEW YORK	04/04/13 08:10
L1305881-03	FB130404	GLENS FALLS NEW YORK	04/04/13 09:25
L1305881-04	TB130404	GLENS FALLS NEW YORK	04/04/13 00:00

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305881
Project Number: Not Specified **Report Date:** 04/26/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305881
Project Number:	Not Specified	**Report Date:**	04/26/13

Case Narrative (continued)

Report Submission

This final report replaces the partial report issued April 19, 2013, and includes the results of all requested analyses, including the Hexavalent Chromium analysis on "S006015".

The previously issued partial report replaced the partial report issued on April 11, 2013. At the client's request, the samples were analyzed for Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Zinc and Semivolatile Organics.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

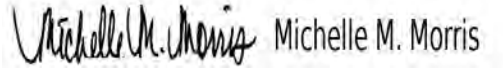
Semivolatile Organics

L1305881-01 and -02 have elevated detection limits due to the dilutions required by matrix interferences encountered during the concentration of the samples.

Metals

L1305881-03: The Field Blank has a hit over the RL for Zinc. The sample containers were verified as being labeled correctly by the laboratory, and the reported results were confirmed by the screen analysis results.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Michelle M. Morris

Title: Technical Director/Representative Date: 04/26/13

ORGANICS

VOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305881

Project Number: Not Specified **Report Date:** 04/26/13

SAMPLE RESULTS

Lab ID:	L1305881-01	Date Collected:	04/04/13 08:20
Client ID:	S006015	Date Received:	04/04/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/07/13 11:59		
Analyst:	BN		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.7	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
Chlorobenzene	ND		ug/kg	1.2	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.17	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.7	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	5.8	0.90	1
Vinyl chloride	ND		ug/kg	2.3	0.16	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	103		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305881

Project Number: Not Specified **Report Date:** 04/26/13

SAMPLE RESULTS

Lab ID:	L1305881-02	Date Collected:	04/04/13 08:10
Client ID:	S007015	Date Received:	04/04/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/07/13 12:27		
Analyst:	BN		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.12	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.1	0.81	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	101		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305881

Project Number: Not Specified **Report Date:** 04/26/13

SAMPLE RESULTS

Lab ID:	L1305881-03	Date Collected:	04/04/13 09:25
Client ID:	FB130404	Date Received:	04/04/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	04/05/13 10:18		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	104		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305881

Project Number: Not Specified **Report Date:** 04/26/13

SAMPLE RESULTS

Lab ID:	L1305881-04	Date Collected:	04/04/13 00:00
Client ID:	TB130404	Date Received:	04/04/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	04/05/13 10:53		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	102		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305881

Project Number: Not Specified **Report Date:** 04/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/05/13 09:09
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG599820-3					
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.16
Chlorobenzene	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.16
Benzene	ND		ug/l	0.50	0.19
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	105		70-130

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305881
Report Date: 04/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/07/13 09:38
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG600110-3					
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.28	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Vinyl chloride	ND		ug/kg	2.0	0.14
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305881

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG599820-1 WG599820-2								
Methylene chloride	106		109		70-130	3		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	99		101		70-130	2		20
Carbon tetrachloride	102		106		63-132	4		20
1,2-Dichloropropane	99		102		70-130	3		20
Dibromochloromethane	96		95		63-130	1		20
1,1,2-Trichloroethane	103		103		70-130	0		20
Tetrachloroethene	99		101		70-130	2		20
Chlorobenzene	101		103		75-130	2		20
Trichlorofluoromethane	103		107		62-150	4		20
1,2-Dichloroethane	99		100		70-130	1		20
1,1,1-Trichloroethane	101		103		67-130	2		20
Bromodichloromethane	103		105		67-130	2		20
trans-1,3-Dichloropropene	91		91		70-130	0		20
cis-1,3-Dichloropropene	99		99		70-130	0		20
1,1-Dichloropropene	99		103		70-130	4		20
Bromoform	106		106		54-136	0		20
Benzene	102		104		70-130	2		20
Toluene	100		102		70-130	2		20
Ethylbenzene	102		104		70-130	2		20
Chloromethane	**44**	Q	**42**	Q	64-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305881

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG599820-1 WG599820-2								
Bromomethane	47		44		39-139	7		20
Vinyl chloride	81		78		55-140	4		20
Chloroethane	93		94		55-138	1		20
1,1-Dichloroethene	88		91		61-145	3		20
trans-1,2-Dichloroethene	101		103		70-130	2		20
Trichloroethene	94		96		70-130	2		20
1,2-Dichlorobenzene	104		105		70-130	1		20
1,3-Dichlorobenzene	104		106		70-130	2		20
1,4-Dichlorobenzene	105		107		70-130	2		20
Methyl tert butyl ether	98		98		63-130	0		20
p/m-Xylene	104		106		70-130	2		20
o-Xylene	103		105		70-130	2		20
cis-1,2-Dichloroethene	102		104		70-130	2		20
Dibromomethane	104		104		70-130	0		20
1,2,3-Trichloropropane	100		103		64-130	3		20
Acrylonitrile	104		103		70-130	1		20
Styrene	104		105		70-130	1		20
Dichlorodifluoromethane	134		140		36-147	4		20
Acetone	97		100		58-148	3		20
Carbon disulfide	105		108		51-130	3		20
2-Butanone	113		114		63-138	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305881

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG599820-1 WG599820-2								
Vinyl acetate	105		106		70-130	1		20
4-Methyl-2-pentanone	99		100		59-130	1		20
2-Hexanone	99		97		57-130	2		20
Bromochloromethane	112		113		70-130	1		20
2,2-Dichloropropane	85		89		63-133	5		20
1,2-Dibromoethane	102		101		70-130	1		20
1,3-Dichloropropane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	109		110		64-130	1		20
Bromobenzene	102		104		70-130	2		20
n-Butylbenzene	101		100		53-136	1		20
sec-Butylbenzene	104		105		70-130	1		20
tert-Butylbenzene	102		104		70-130	2		20
o-Chlorotoluene	102		104		70-130	2		20
p-Chlorotoluene	102		106		70-130	4		20
1,2-Dibromo-3-chloropropane	107		102		41-144	5		20
Hexachlorobutadiene	100		100		63-130	0		20
Isopropylbenzene	104		108		70-130	4		20
p-Isopropyltoluene	104		104		70-130	0		20
Naphthalene	115		104		70-130	10		20
n-Propylbenzene	104		106		69-130	2		20
1,2,3-Trichlorobenzene	111		102		70-130	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305881

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG599820-1 WG599820-2								
1,2,4-Trichlorobenzene	107		101		70-130	6		20
1,3,5-Trimethylbenzene	105		105		64-130	0		20
1,2,4-Trimethylbenzene	106		104		70-130	2		20
1,4-Dioxane	113		111		56-162	2		20
1,4-Diethylbenzene	103		103		70-130	0		20
4-Ethyltoluene	105		107		70-130	2		20
1,2,4,5-Tetramethylbenzene	114		112		70-130	2		20
Ethyl ether	89		90		59-134	1		20
trans-1,4-Dichloro-2-butene	81		80		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		96		70-130
Toluene-d8	95		96		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	104		104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305881

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600110-1 WG600110-2								
Methylene chloride	98		91		70-130	7		30
1,1-Dichloroethane	102		91		70-130	11		30
Chloroform	98		88		70-130	11		30
Carbon tetrachloride	95		81		70-130	16		30
1,2-Dichloropropane	100		93		70-130	7		30
Dibromochloromethane	95		88		70-130	8		30
2-Chloroethylvinyl ether	100		93			7		30
1,1,2-Trichloroethane	107		98		70-130	9		30
Tetrachloroethene	94		83		70-130	12		30
Chlorobenzene	97		87		70-130	11		30
Trichlorofluoromethane	105		87		70-139	19		30
1,2-Dichloroethane	102		96		70-130	6		30
1,1,1-Trichloroethane	96		85		70-130	12		30
Bromodichloromethane	96		90		70-130	6		30
trans-1,3-Dichloropropene	104		97		70-130	7		30
cis-1,3-Dichloropropene	97		89		70-130	9		30
1,1-Dichloropropene	98		86		70-130	13		30
Bromoform	96		90		70-130	6		30
1,1,2,2-Tetrachloroethane	110		102		70-130	8		30
Benzene	97		86		70-130	12		30
Toluene	103		91		70-130	12		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305881

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600110-1 WG600110-2								
Ethylbenzene	101		90		70-130	12		30
Chloromethane	130		114		52-130	13		30
Bromomethane	120		106		57-147	12		30
Vinyl chloride	120		101		67-130	17		30
Chloroethane	111		94		50-151	17		30
1,1-Dichloroethene	101		85		65-135	17		30
trans-1,2-Dichloroethene	95		83		70-130	13		30
Trichloroethene	96		85		70-130	12		30
1,2-Dichlorobenzene	100		91		70-130	9		30
1,3-Dichlorobenzene	100		89		70-130	12		30
1,4-Dichlorobenzene	100		91		70-130	9		30
Methyl tert butyl ether	92		87		66-130	6		30
p/m-Xylene	98		87		70-130	12		30
o-Xylene	96		87		70-130	10		30
cis-1,2-Dichloroethene	92		83		70-130	10		30
Dibromomethane	98		91		70-130	7		30
Styrene	99		90		70-130	10		30
Dichlorodifluoromethane	126		108		30-146	15		30
Acetone	128		94		54-140	**31**	Q	30
Carbon disulfide	99		85		59-130	15		30
2-Butanone	119		100		70-130	17		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305881

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600110-1 WG600110-2								
Vinyl acetate	106		99		70-130	7		30
4-Methyl-2-pentanone	87		82		70-130	6		30
1,2,3-Trichloropropane	112		103		68-130	8		30
2-Hexanone	109		95		70-130	14		30
Bromochloromethane	92		86		70-130	7		30
2,2-Dichloropropane	102		89		70-130	14		30
1,2-Dibromoethane	96		90		70-130	6		30
1,3-Dichloropropane	103		96		69-130	7		30
1,1,1,2-Tetrachloroethane	95		88		70-130	8		30
Bromobenzene	98		89		70-130	10		30
n-Butylbenzene	111		97		70-130	13		30
sec-Butylbenzene	106		91		70-130	15		30
tert-Butylbenzene	101		87		70-130	15		30
o-Chlorotoluene	114		91		70-130	22		30
p-Chlorotoluene	109		97		70-130	12		30
1,2-Dibromo-3-chloropropane	83		98		68-130	17		30
Hexachlorobutadiene	103		88		67-130	16		30
Isopropylbenzene	102		90		70-130	13		30
p-Isopropyltoluene	102		89		70-130	14		30
Naphthalene	92		86		70-130	7		30
Acrylonitrile	103		98		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305881

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600110-1 WG600110-2								
Isopropyl Ether	105		98		66-130	7		30
tert-Butyl Alcohol	101		92		70-130	9		30
n-Propylbenzene	109		95		70-130	14		30
1,2,3-Trichlorobenzene	97		90		70-130	7		30
1,2,4-Trichlorobenzene	96		88		70-130	9		30
1,3,5-Trimethylbenzene	106		93		70-130	13		30
1,2,4-Trimethylbenzene	106		94		70-130	12		30
Methyl Acetate	108		102		70-130	6		30
Ethyl Acetate	98		93		70-130	5		30
Acrolein	108		104		70-130	4		30
Cyclohexane	114		96		70-130	17		30
1,4-Dioxane	101		93		65-136	8		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	109		92		70-130	17		30
1,4-Diethylbenzene	103		90		70-130	13		30
4-Ethyltoluene	105		92		70-130	13		30
1,2,4,5-Tetramethylbenzene	98		89		70-130	10		30
Tetrahydrofuran	102		95		66-130	7		30
Ethyl ether	94		90		67-130	4		30
trans-1,4-Dichloro-2-butene	129		115		70-130	11		30
Methyl cyclohexane	103		88		70-130	16		30
Ethyl-Tert-Butyl-Ether	98		92		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305881

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600110-1 WG600110-2								
Tertiary-Amyl Methyl Ether	90		85		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	112		112		70-130
Toluene-d8	109		109		70-130
4-Bromofluorobenzene	107		107		70-130
Dibromofluoromethane	98		99		70-130

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305881

Project Number: Not Specified **Report Date:** 04/26/13

SAMPLE RESULTS

Lab ID:	L1305881-01	Date Collected:	04/04/13 08:20
Client ID:	S006015	Date Received:	04/04/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/08/13 12:41
Analytical Date:	04/18/13 00:49		
Analyst:	RC		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	1100		ug/kg	590	190	5
Benzo(a)pyrene	1300		ug/kg	790	240	5
Benzo(b)fluoranthene	1300		ug/kg	590	200	5
Chrysene	1200		ug/kg	590	190	5
Dibenzo(a,h)anthracene	220	J	ug/kg	590	190	5
Indeno(1,2,3-cd)pyrene	1200		ug/kg	790	220	5
2-Chlorophenol	ND		ug/kg	990	300	5
Phenol	ND		ug/kg	990	290	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1400	320	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	101		23-120
2-Fluorobiphenyl	94		30-120
2,4,6-Tribromophenol	94		0-136
4-Terphenyl-d14	82		18-120

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305881

Project Number: Not Specified **Report Date:** 04/26/13

SAMPLE RESULTS

Lab ID:	L1305881-02	Date Collected:	04/04/13 08:10
Client ID:	S007015	Date Received:	04/04/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/08/13 12:41
Analytical Date:	04/18/13 01:17		
Analyst:	RC		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	560	180	5
Benzo(a)pyrene	ND		ug/kg	750	230	5
Benzo(b)fluoranthene	ND		ug/kg	560	190	5
Chrysene	ND		ug/kg	560	180	5
Dibenzo(a,h)anthracene	ND		ug/kg	560	180	5
Indeno(1,2,3-cd)pyrene	ND		ug/kg	750	210	5
2-Chlorophenol	ND		ug/kg	940	280	5
Phenol	ND		ug/kg	940	280	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1300	310	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	108		0-136
4-Terphenyl-d14	92		18-120

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305881

Project Number: Not Specified **Report Date:** 04/26/13

SAMPLE RESULTS

Lab ID:	L1305881-03	Date Collected:	04/04/13 09:25
Client ID:	FB130404	Date Received:	04/04/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	04/05/13 10:58
Analytical Date:	04/10/13 15:51		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Benzo(a)anthracene	ND		ug/l	2.0	0.82	1
Benzo(a)pyrene	ND		ug/l	2.0	0.48	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.48	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.48	1
Chrysene	ND		ug/l	2.0	0.56	1
Fluorene	ND		ug/l	2.0	0.49	1
Phenanthrene	ND		ug/l	2.0	0.49	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.48	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
Pentachlorophenol	ND		ug/l	10	1.2	1
Phenol	ND		ug/l	5.0	0.26	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	89		15-120
2,4,6-Tribromophenol	113		10-120
4-Terphenyl-d14	99		41-149

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305881
Report Date: 04/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/10/13 11:58
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 04/05/13 10:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG599802-1					
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Dimethyl phthalate	ND		ug/l	5.0	0.45
Benzo(a)anthracene	ND		ug/l	2.0	0.82
Benzo(a)pyrene	ND		ug/l	2.0	0.48
Benzo(b)fluoranthene	ND		ug/l	2.0	0.48
Benzo(k)fluoranthene	ND		ug/l	2.0	0.48
Chrysene	ND		ug/l	2.0	0.56
Fluorene	ND		ug/l	2.0	0.49
Phenanthrene	ND		ug/l	2.0	0.49
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.48
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48
2-Chlorophenol	ND		ug/l	2.0	0.34
Pentachlorophenol	ND		ug/l	10	1.2
Phenol	ND		ug/l	5.0	0.26
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	94		15-120
2,4,6-Tribromophenol	110		10-120
4-Terphenyl-d14	90		41-149

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305881
Report Date: 04/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/09/13 22:17
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 04/08/13 12:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG600231-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	50	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	50	17.
Benzo(k)fluoranthene	ND		ug/kg	50	16.
Chrysene	ND		ug/kg	50	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	50	16.
Dibenzo(a,h)anthracene	ND		ug/kg	50	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	50		30-120
2,4,6-Tribromophenol	52		0-136
4-Terphenyl-d14	57		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305881

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG599802-2 WG599802-3								
Acenaphthene	94		92		37-111	2		30
1,2,4-Trichlorobenzene	77		71		39-98	8		30
Hexachlorobenzene	102		100		40-140	2		30
Bis(2-chloroethyl)ether	95		91		40-140	4		30
2-Chloronaphthalene	94		90		40-140	4		30
1,2-Dichlorobenzene	79		75		40-140	5		30
1,3-Dichlorobenzene	76		72		40-140	5		30
1,4-Dichlorobenzene	77		73		36-97	5		30
3,3'-Dichlorobenzidine	51		56		40-140	9		30
2,4-Dinitrotoluene	**118**	Q	**116**	Q	24-96	2		30
2,6-Dinitrotoluene	121		116		40-140	4		30
Fluoranthene	100		99		40-140	1		30
4-Chlorophenyl phenyl ether	92		89		40-140	3		30
4-Bromophenyl phenyl ether	102		99		40-140	3		30
Bis(2-chloroisopropyl)ether	76		72		40-140	5		30
Bis(2-chloroethoxy)methane	99		96		40-140	3		30
Hexachlorobutadiene	71		66		40-140	7		30
Hexachlorocyclopentadiene	42		**39**	Q	40-140	7		30
Hexachloroethane	76		71		40-140	7		30
Isophorone	100		91		40-140	9		30
Naphthalene	93		86		40-140	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305881

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG599802-2 WG599802-3								
Nitrobenzene	100		95		40-140	5		30
NitrosoDiPhenylAmine(NDPA)/DPA	104		102		40-140	2		30
n-Nitrosodi-n-propylamine	95		90		29-132	5		30
Bis(2-Ethylhexyl)phthalate	128		126		40-140	2		30
Butyl benzyl phthalate	123		119		40-140	3		30
Di-n-butylphthalate	130		127		40-140	2		30
Di-n-octylphthalate	**142**	Q	**141**	Q	40-140	1		30
Diethyl phthalate	115		112		40-140	3		30
Dimethyl phthalate	106		104		40-140	2		30
Benzo(a)anthracene	109		109		40-140	0		30
Benzo(a)pyrene	111		111		40-140	0		30
Benzo(b)fluoranthene	111		112		40-140	1		30
Benzo(k)fluoranthene	113		112		40-140	1		30
Chrysene	100		99		40-140	1		30
Acenaphthylene	106		102		45-123	4		30
Anthracene	102		99		40-140	3		30
Benzo(ghi)perylene	104		104		40-140	0		30
Fluorene	102		101		40-140	1		30
Phenanthrene	100		98		40-140	2		30
Dibenzo(a,h)anthracene	114		113		40-140	1		30
Indeno(1,2,3-cd)Pyrene	115		115		40-140	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305881

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG599802-2 WG599802-3								
Pyrene	98		94		26-127	4		30
Biphenyl	95		92			3		30
4-Chloroaniline	**30**	Q	**32**	Q	40-140	6		30
2-Nitroaniline	119		113		52-143	5		30
3-Nitroaniline	55		60		25-145	9		30
4-Nitroaniline	101		100		51-143	1		30
Dibenzofuran	98		96		40-140	2		30
2-Methylnaphthalene	94		89		40-140	5		30
1,2,4,5-Tetrachlorobenzene	83		79		2-134	5		30
Acetophenone	102		99		39-129	3		30
2,4,6-Trichlorophenol	112		109		30-130	3		30
P-Chloro-M-Cresol	**120**	Q	**115**	Q	23-97	4		30
2-Chlorophenol	103		99		27-123	4		30
2,4-Dichlorophenol	112		105		30-130	6		30
2,4-Dimethylphenol	97		94		30-130	3		30
2-Nitrophenol	115		113		30-130	2		30
4-Nitrophenol	74		72		10-80	3		30
2,4-Dinitrophenol	110		110		20-130	0		30
4,6-Dinitro-o-cresol	104		102		20-164	2		30
Pentachlorophenol	102		101		9-103	1		30
Phenol	47		46		12-110	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305881

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG599802-2 WG599802-3								
2-Methylphenol	93		91		30-130	2		30
3-Methylphenol/4-Methylphenol	90		86		30-130	5		30
2,4,5-Trichlorophenol	117		110		30-130	6		30
Benzoic Acid	66		56			16		30
Benzyl Alcohol	117		113			3		30
Carbazole	108		106		55-144	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	73		68		21-120
Phenol-d6	51		48		10-120
Nitrobenzene-d5	106		102		23-120
2-Fluorobiphenyl	106		98		15-120
2,4,6-Tribromophenol	**130**	Q	**123**	Q	10-120
4-Terphenyl-d14	99		94		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305881

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG600231-2 WG600231-3								
Acenaphthene	68		75		31-137	10		50
1,2,4-Trichlorobenzene	52		67		38-107	25		50
Hexachlorobenzene	68		72		40-140	6		50
Bis(2-chloroethyl)ether	60		77		40-140	25		50
2-Chloronaphthalene	62		73		40-140	16		50
1,2-Dichlorobenzene	55		73		40-140	28		50
1,3-Dichlorobenzene	54		70		40-140	26		50
1,4-Dichlorobenzene	55		70		28-104	24		50
3,3'-Dichlorobenzidine	57		53		40-140	7		50
2,4-Dinitrotoluene	76		78		28-89	3		50
2,6-Dinitrotoluene	69		73		40-140	6		50
Fluoranthene	72		76		40-140	5		50
4-Chlorophenyl phenyl ether	68		72		40-140	6		50
4-Bromophenyl phenyl ether	68		69		40-140	1		50
Bis(2-chloroisopropyl)ether	68		85		40-140	22		50
Bis(2-chloroethoxy)methane	67		82		40-117	20		50
Hexachlorobutadiene	54		70		40-140	26		50
Hexachlorocyclopentadiene	47		62		40-140	28		50
Hexachloroethane	62		79		40-140	24		50
Isophorone	66		79		40-140	18		50
Naphthalene	57		72		40-140	23		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305881

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG600231-2 WG600231-3								
Nitrobenzene	61		78		40-140	24		50
NitrosoDiPhenylAmine(NDPA)/DPA	72		75			4		50
n-Nitrosodi-n-propylamine	69		85		32-121	21		50
Bis(2-Ethylhexyl)phthalate	93		97		40-140	4		50
Butyl benzyl phthalate	80		83		40-140	4		50
Di-n-butylphthalate	83		87		40-140	5		50
Di-n-octylphthalate	92		95		40-140	3		50
Diethyl phthalate	80		83		40-140	4		50
Dimethyl phthalate	76		79		40-140	4		50
Benzo(a)anthracene	77		80		40-140	4		50
Benzo(a)pyrene	78		81		40-140	4		50
Benzo(b)fluoranthene	74		78		40-140	5		50
Benzo(k)fluoranthene	79		82		40-140	4		50
Chrysene	79		82		40-140	4		50
Acenaphthylene	63		70		40-140	11		50
Anthracene	77		81		40-140	5		50
Benzo(ghi)perylene	78		82		40-140	5		50
Fluorene	71		76		40-140	7		50
Phenanthrene	75		80		40-140	6		50
Dibenzo(a,h)anthracene	78		82		40-140	5		50
Indeno(1,2,3-cd)Pyrene	74		78		40-140	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305881

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG600231-2 WG600231-3								
Pyrene	72		74		35-142	3		50
Biphenyl	69		79			14		50
4-Chloroaniline	46		59		40-140	25		50
2-Nitroaniline	73		77		47-134	5		50
3-Nitroaniline	46		41		26-129	11		50
4-Nitroaniline	77		78		41-125	1		50
Dibenzofuran	68		75		40-140	10		50
2-Methylnaphthalene	55		65		40-140	17		50
1,2,4,5-Tetrachlorobenzene	66		79		40-117	18		50
Acetophenone	69		86		14-144	22		50
2,4,6-Trichlorophenol	66		71		30-130	7		50
P-Chloro-M-Cresol	77		84		26-103	9		50
2-Chlorophenol	64		82		25-102	25		50
2,4-Dichlorophenol	66		79		30-130	18		50
2,4-Dimethylphenol	70		84		30-130	18		50
2-Nitrophenol	63		77		30-130	20		50
4-Nitrophenol	51		45		11-114	13		50
2,4-Dinitrophenol	32		37		4-130	14		50
4,6-Dinitro-o-cresol	70		73		10-130	4		50
Pentachlorophenol	65		69		17-109	6		50
Phenol	69		86		26-90	22		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305881

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG600231-2 WG600231-3								
2-Methylphenol	68		85		30-130.	22		50
3-Methylphenol/4-Methylphenol	70		87		30-130	22		50
2,4,5-Trichlorophenol	70		73		30-130	4		50
Benzoic Acid	0		0			NC		50
Benzyl Alcohol	71		90		40-140	24		50
Carbazole	75		80		54-128	6		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	66		80		25-120
Phenol-d6	69		83		10-120
Nitrobenzene-d5	64		77		23-120
2-Fluorobiphenyl	58		65		30-120
2,4,6-Tribromophenol	71		73		0-136
4-Terphenyl-d14	59		59		18-120

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305881
Project Number: Not Specified
Report Date: 04/26/13

SAMPLE RESULTS

Lab ID: L1305881-01
Client ID: S006015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 83%

Date Collected: 04/04/13 08:20
Date Received: 04/04/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	210		mg/kg	0.46	0.03	1	04/10/13 12:26	04/11/13 11:24	EPA 3050B	1,6010C	MG
Chromium, Total	180		mg/kg	0.46	0.09	1	04/10/13 12:26	04/11/13 11:24	EPA 3050B	1,6010C	MG
Copper, Total	43		mg/kg	0.46	0.23	1	04/10/13 12:26	04/11/13 11:24	EPA 3050B	1,6010C	MG
Lead, Total	540		mg/kg	2.3	0.14	1	04/10/13 12:26	04/11/13 11:24	EPA 3050B	1,6010C	MG
Mercury, Total	18		mg/kg	1.0	0.22	12	04/11/13 10:15	04/11/13 14:01	EPA 7471B	1,7471B	MC
Nickel, Total	19		mg/kg	1.2	0.18	1	04/10/13 12:26	04/11/13 11:24	EPA 3050B	1,6010C	MG
Zinc, Total	170		mg/kg	2.3	0.23	1	04/10/13 12:26	04/11/13 11:24	EPA 3050B	1,6010C	MG

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305881
Project Number: Not Specified
Report Date: 04/26/13

SAMPLE RESULTS

Lab ID: L1305881-02
Client ID: S007015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 88%

Date Collected: 04/04/13 08:10
Date Received: 04/04/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	2.4		mg/kg	0.44	0.03	1	04/10/13 12:26	04/11/13 11:44	EPA 3050B	1,6010C	MG
Chromium, Total	24		mg/kg	0.44	0.09	1	04/10/13 12:26	04/11/13 11:44	EPA 3050B	1,6010C	MG
Copper, Total	20		mg/kg	0.44	0.22	1	04/10/13 12:26	04/11/13 11:44	EPA 3050B	1,6010C	MG
Lead, Total	23		mg/kg	2.2	0.13	1	04/10/13 12:26	04/11/13 11:44	EPA 3050B	1,6010C	MG
Mercury, Total	1.3		mg/kg	0.08	0.02	1	04/11/13 10:15	04/11/13 13:06	EPA 7471B	1,7471B	MC
Nickel, Total	15		mg/kg	1.1	0.17	1	04/10/13 12:26	04/11/13 11:44	EPA 3050B	1,6010C	MG
Zinc, Total	47		mg/kg	2.2	0.22	1	04/10/13 12:26	04/11/13 11:44	EPA 3050B	1,6010C	MG

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305881
Project Number: Not Specified
Report Date: 04/26/13

SAMPLE RESULTS

Lab ID: L1305881-03
Client ID: FB130404
Sample Location: GLENS FALLS NEW YORK
Matrix: Water

Date Collected: 04/04/13 09:25
Date Received: 04/04/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	04/05/13 08:10	04/09/13 23:22	EPA 3005A	1,6020A	BM
Barium, Total	0.00012	J	mg/l	0.00050	0.00010	1	04/05/13 08:10	04/09/13 23:22	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/05/13 08:10	04/09/13 23:22	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/05/13 08:10	04/09/13 23:22	EPA 3005A	1,6020A	BM
Chromium, Total	0.00056	J	mg/l	0.00100	0.00020	1	04/05/13 08:10	04/09/13 23:22	EPA 3005A	1,6020A	BM
Copper, Total	ND		mg/l	0.00100	0.00010	1	04/05/13 08:10	04/09/13 23:22	EPA 3005A	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	04/05/13 08:10	04/09/13 23:22	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/10/13 15:17	04/10/13 19:32	EPA 7470A	1,7470A	JH
Nickel, Total	0.00012	J	mg/l	0.00050	0.00010	1	04/05/13 08:10	04/09/13 23:22	EPA 3005A	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	04/05/13 08:10	04/09/13 23:22	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	04/05/13 08:10	04/09/13 23:22	EPA 3005A	1,6020A	BM
Zinc, Total	0.01092		mg/l	0.01000	0.00120	1	04/05/13 08:10	04/09/13 23:22	EPA 3005A	1,6020A	BM

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305881

Project Number: Not Specified **Report Date:** 04/26/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03 Batch: WG599723-1										
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	04/05/13 08:10	04/09/13 23:10	1,6020A	BM
Barium, Total	ND		mg/l	0.00050	0.00010	1	04/05/13 08:10	04/09/13 23:10	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/05/13 08:10	04/09/13 23:10	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/05/13 08:10	04/09/13 23:10	1,6020A	BM
Chromium, Total	0.00023	J	mg/l	0.00100	0.00020	1	04/05/13 08:10	04/09/13 23:10	1,6020A	BM
Copper, Total	ND		mg/l	0.00100	0.00010	1	04/05/13 08:10	04/09/13 23:10	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	04/05/13 08:10	04/09/13 23:10	1,6020A	BM
Nickel, Total	ND		mg/l	0.00050	0.00010	1	04/05/13 08:10	04/09/13 23:10	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	04/05/13 08:10	04/09/13 23:10	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	04/05/13 08:10	04/09/13 23:10	1,6020A	BM
Zinc, Total	ND		mg/l	0.01000	0.00120	1	04/05/13 08:10	04/09/13 23:10	1,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG600776-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.20	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Lead, Total	0.13	J	mg/kg	2.0	0.12	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Zinc, Total	0.22	J	mg/kg	2.0	0.20	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305881

Project Number: Not Specified **Report Date:** 04/26/13

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03 Batch: WG600815-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/10/13 15:17	04/10/13 19:17	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG600979-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/11/13 10:15	04/11/13 12:26	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305881

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03 Batch: WG599723-2								
Arsenic, Total	110		-		80-120	-		
Barium, Total	99		-		80-120	-		
Beryllium, Total	96		-		80-120	-		
Cadmium, Total	103		-		80-120	-		
Chromium, Total	104		-		80-120	-		
Copper, Total	103		-		80-120	-		
Lead, Total	101		-		80-120	-		
Nickel, Total	101		-		80-120	-		
Selenium, Total	112		-		80-120	-		
Silver, Total	100		-		80-120	-		
Zinc, Total	111		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305881

Report Date: 04/26/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG600776-2 SRM Lot Number: 0518-10-02					
Arsenic, Total	94	-	81-119	-	
Barium, Total	96	-	83-118	-	
Beryllium, Total	92	-	83-117	-	
Cadmium, Total	89	-	82-117	-	
Chromium, Total	92	-	80-119	-	
Copper, Total	101	-	83-117	-	
Lead, Total	96	-	80-120	-	
Nickel, Total	94	-	82-117	-	
Selenium, Total	80	-	80-120	-	
Silver, Total	91	-	66-134	-	
Zinc, Total	91	-	82-119	-	
Total Metals - Westborough Lab Associated sample(s): 03 Batch: WG600815-2					
Mercury, Total	105	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG600979-2 SRM Lot Number: 0518-10-02					
Mercury, Total	114	-	67-133	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305881
Report Date: 04/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03 QC Batch ID: WG599723-4 QC Sample: L1305867-06 Client ID: MS Sample												
Arsenic, Total	0.0023	0.12	0.1377	113		-	-		80-120	-		20
Barium, Total	0.0506	2	2.059	100		-	-		80-120	-		20
Beryllium, Total	ND	0.05	0.04939	99		-	-		80-120	-		20
Cadmium, Total	ND	0.051	0.5292	104		-	-		80-120	-		20
Chromium, Total	0.0010J	0.2	0.2084	104		-	-		80-120	-		20
Copper, Total	0.0010J	0.25	0.2571	103		-	-		80-120	-		20
Lead, Total	ND	0.51	0.5168	101		-	-		80-120	-		20
Nickel, Total	0.00097J	0.5	0.4999	100		-	-		80-120	-		20
Selenium, Total	0.001J	0.12	0.132	110		-	-		80-120	-		20
Silver, Total	ND	0.05	0.05061	101		-	-		80-120	-		20
Zinc, Total	0.0128J	0.5	0.5815	116		-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305881
Report Date: 04/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600776-4 QC Sample: L1305865-01 Client ID: MS Sample										
Arsenic, Total	3.6	10.5	13	89		-	-	75-125	-	35
Barium, Total	100	176	250	85		-	-	75-125	-	35
Beryllium, Total	0.48	4.39	4.3	87		-	-	75-125	-	35
Cadmium, Total	0.15J	4.48	36	80		-	-	75-125	-	35
Chromium, Total	24.	17.6	39	85		-	-	75-125	-	35
Copper, Total	49.	22	55	**27**	Q	-	-	75-125	-	35
Lead, Total	50.	44.8	66	**36**	Q	-	-	75-125	-	35
Nickel, Total	18.	43.9	55	84		-	-	75-125	-	35
Selenium, Total	1.3J	10.5	8.9	84		-	-	75-125	-	35
Silver, Total	ND	26.3	28	106		-	-	75-125	-	35
Zinc, Total	120	43.9	120	**0**	Q	-	-	75-125	-	35
Total Metals - Westborough Lab Associated sample(s): 03 QC Batch ID: WG600815-4 QC Sample: L1305860-01 Client ID: MS Sample										
Mercury, Total	ND	0.001	0.00117	118		-	-	70-130	-	20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600979-4 QC Sample: L1305504-01 Client ID: MS Sample										
Mercury, Total	0.17	0.158	0.45	**177**	Q	-	-	70-130	-	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305881
Report Date: 04/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03 QC Batch ID: WG599723-3 QC Sample: L1305867-06 Client ID: DUP Sample						
Cadmium, Total	ND	ND	mg/l	NC		20
Lead, Total	ND	ND	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600776-3 QC Sample: L1305865-01 Client ID: DUP Sample						
Arsenic, Total	3.6	2.5	mg/kg	**36**	Q	35
Barium, Total	100	110	mg/kg	10		35
Beryllium, Total	0.48	0.40J	mg/kg	NC		35
Cadmium, Total	0.15J	ND	mg/kg	NC		35
Chromium, Total	24.	26	mg/kg	8		35
Copper, Total	49.	36	mg/kg	31		35
Lead, Total	50.	33	mg/kg	**41**	Q	35
Nickel, Total	18.	19	mg/kg	5		35
Selenium, Total	1.3J	0.46J	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Zinc, Total	120	78	mg/kg	**42**	Q	35
Total Metals - Westborough Lab Associated sample(s): 03 QC Batch ID: WG600815-3 QC Sample: L1305860-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600979-3 QC Sample: L1305504-01 Client ID: DUP Sample						
Mercury, Total	0.17	0.12	mg/kg	34		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305881
Report Date: 04/26/13

SAMPLE RESULTS

Lab ID: L1305881-01
Client ID: S006015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Date Collected: 04/04/13 08:20
Date Received: 04/04/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.3		%	0.100	NA	1	-	04/05/13 15:49	30,2540G	RD
Chromium, Hexavalent	ND		mg/kg	0.96	0.22	1	04/23/13 12:05	04/24/13 02:45	1,7196A	ST

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305881
Report Date: 04/26/13

SAMPLE RESULTS

Lab ID: L1305881-02
Client ID: S007015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Date Collected: 04/04/13 08:10
Date Received: 04/04/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.3		%	0.100	NA	1	-	04/05/13 15:49	30,2540G	RD

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305881
Report Date: 04/26/13

SAMPLE RESULTS

Lab ID: L1305881-03
Client ID: FB130404
Sample Location: GLENS FALLS NEW YORK
Matrix: Water

Date Collected: 04/04/13 09:25
Date Received: 04/04/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.002	J	mg/l	0.005	0.001	1	04/08/13 10:07	04/09/13 12:49	1,9010C/9012A	DE

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305881

Project Number: Not Specified **Report Date:** 04/26/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 03 Batch: WG600311-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/08/13 10:07	04/09/13 12:31	1,9010C/9012A	DE
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG603313-1										
Chromium, Hexavalent	ND		mg/l	0.80	0.18	1	04/23/13 12:05	04/24/13 02:40	1,7196A	ST

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305881

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03 Batch: WG600311-4 WG600311-5								
Cyanide, Total	114		114		80-120	0		20
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG603313-2								
Chromium, Hexavalent	95		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305881
Report Date: 04/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03 QC Batch ID: WG600311-3 WG600311-2 QC Sample: L1305826-04 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.218	109		0.213	106		80-120	2		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG603313-4 QC Sample: L1305881-01 Client ID: S006015												
Chromium, Hexavalent	ND	1380	1200	87		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305881
Report Date: 04/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599900-1 QC Sample: L1305862-07 Client ID: DUP Sample						
Solids, Total	85.3	85.5	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG603313-6 QC Sample: L1305881-01 Client ID: S006015						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305881
Report Date: 04/26/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 04/05/2013 02:07

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305881-01A	Vial MeOH preserved	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1305881-01B	Vial water preserved	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1305881-01C	Vial water preserved	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1305881-01D	Plastic 2oz unpreserved for TS	A	N/A	2.2	Y	Absent	TS(7)
L1305881-01E	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180),HEXCR-7196(30)
L1305881-01F	Amber 250ml unpreserved	A	N/A	2.2	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180),HEXCR-7196(30)
L1305881-02A	Vial MeOH preserved	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1305881-02B	Vial water preserved	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1305881-02C	Vial water preserved	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1305881-02D	Plastic 2oz unpreserved for TS	A	N/A	2.2	Y	Absent	TS(7)
L1305881-02E	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305881
Report Date: 04/26/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305881-02F	Amber 250ml unpreserved	A	N/A	2.2	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305881-03A	Vial HCl preserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1305881-03B	Vial HCl preserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1305881-03C	Vial HCl preserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1305881-03D	Amber 1000ml unpreserved	A	7	2.2	Y	Absent	NYTCL-8270(7)
L1305881-03E	Amber 1000ml unpreserved	A	7	2.2	Y	Absent	NYTCL-8270(7)
L1305881-03F	Amber 1000ml unpreserved	A	7	2.2	Y	Absent	NYTCL-8270(7)
L1305881-03G	Amber 1000ml unpreserved	A	7	2.2	Y	Absent	NYTCL-8270(7)
L1305881-03I	Plastic 250ml NaOH preserved	A	>12	2.2	Y	Absent	TCN-9010(14)
L1305881-03J	Plastic 500ml HNO3 preserved	A	<2	2.2	Y	Absent	BA-6020T(180),SE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),AS-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28)
L1305881-04A	Vial HCl preserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305881
Project Number:	Not Specified	**Report Date:**	04/26/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305881
Project Number:	Not Specified	**Report Date:**	04/26/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305881
Project Number:	Not Specified	**Report Date:**	04/26/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
World Class Chemistry

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab: 4/5/13

ALPHA Job #: L1305881

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/11/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Detection limits to meet NYSDEC Part 375 Requirements (Unrestricted)
Find %Moisture of each aliquot and calculate average for use as %Moisture of associated composite sample

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs-See attached list	Hexavalent Chromium-Hold	Cyanide-Hold	Metals-See attached list-Hold	PCBs-Hold	SVOCs-See atached list-Hold							Sample Specific Comments	TOTAL # BOTTLES
05881-1	S006015	4/4	820	S	[initials]	☒	☒	☒	☒	☐	☒	☐	☐	☐	☐	☐	☐		
2	S007015	↓	810	S	[initials]	☒	☒	☒	☒	☐	☒	☐	☐	☐	☐	☐	☐		
3	FB130404	↓	925	Aq	[initials]	☒	☒	☒	☒	☐	☒	☐	☐	☐	☐	☐	☐		
4	TB130404	↓	–	Aq	[initials]	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
Container Type						-	-	-	-	-	-	-	-	-	-	-	-		
Preservative						-	-	-	-	-	-	-	-	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/4 1105	Robert Haines	4/4/13 1105
Robert Haines	4/4/13 2030	Kyle Cingram	4-4-13 2030
Kyle Cingram	4/5/13 0030	[signature]	4/5/13 0030

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ)
(rev. 5-JAN-12)

ANALYTICAL REPORT

Lab Number:	L1305880
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/15/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305880
Report Date: 04/15/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305880-01	S005S010	GLENS FALLS NEW YORK	04/04/13 08:40

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305880
Project Number:	Not Specified	**Report Date:**	04/15/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305880
Project Number:	Not Specified	**Report Date:**	04/15/13

Case Narrative (continued)

Report Submission

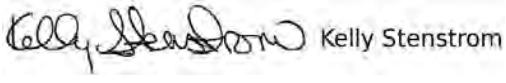
All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

L1305880-01 has elevated detection limits due to the dilution required by matrix interferences encountered during the concentration of the sample.

The surrogate recoveries for L1305880-01 were above the acceptance criteria for 2-Fluorobiphenyl (136%), 2,4,6-Tribromophenol (186%), and 4-Terphenyl-d14 (137%); however, re-extraction achieved similar results for 2-Fluorobiphenyl (123%), 2,4,6-Tribromophenol (226%), and 4-Terphenyl-d14 (144%). The results of both extractions are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Kelly Stenstrom

Title: Technical Director/Representative Date: 04/15/13

ORGANICS

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305880

Project Number: Not Specified **Report Date:** 04/15/13

SAMPLE RESULTS

Lab ID:	L1305880-01	Date Collected:	04/04/13 08:40
Client ID:	S005S010	Date Received:	04/04/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/08/13 12:41
Analytical Date:	04/11/13 03:35		
Analyst:	JB		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	ND		ug/kg	420	110	2
Dimethyl phthalate	ND		ug/kg	420	110	2
Benzo(a)anthracene	490		ug/kg	250	83.	2
Benzo(a)pyrene	480		ug/kg	340	100	2
Benzo(b)fluoranthene	630		ug/kg	250	85.	2
Benzo(k)fluoranthene	260		ug/kg	250	81.	2
Chrysene	530		ug/kg	250	83.	2
Fluorene	ND		ug/kg	420	120	2
Phenanthrene	600		ug/kg	250	83.	2
Dibenzo(a,h)anthracene	ND		ug/kg	250	82.	2
Indeno(1,2,3-cd)pyrene	320	J	ug/kg	340	94.	2
2-Chlorophenol	ND		ug/kg	420	130	2
Pentachlorophenol	880		ug/kg	340	90.	2
Phenol	ND		ug/kg	420	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	610	140	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	104		25-120
Phenol-d6	105		10-120
Nitrobenzene-d5	104		23-120
2-Fluorobiphenyl	**136**	Q	30-120
2,4,6-Tribromophenol	**186**	Q	0-136
4-Terphenyl-d14	**137**	Q	18-120

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305880

Project Number: Not Specified **Report Date:** 04/15/13

SAMPLE RESULTS

Lab ID:	L1305880-01 RE	Date Collected:	04/04/13 08:40
Client ID:	S005S010	Date Received:	04/04/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/12/13 09:24
Analytical Date:	04/14/13 17:47		
Analyst:	JB		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	55.	1
Dimethyl phthalate	ND		ug/kg	210	54.	1
Benzo(a)anthracene	450		ug/kg	130	41.	1
Benzo(a)pyrene	500		ug/kg	170	52.	1
Benzo(b)fluoranthene	650		ug/kg	130	43.	1
Benzo(k)fluoranthene	270		ug/kg	130	40.	1
Chrysene	500		ug/kg	130	41.	1
Fluorene	ND		ug/kg	210	60.	1
Phenanthrene	480		ug/kg	130	41.	1
Dibenzo(a,h)anthracene	90	J	ug/kg	130	41.	1
Indeno(1,2,3-cd)pyrene	280		ug/kg	170	47.	1
2-Chlorophenol	ND		ug/kg	210	64.	1
Pentachlorophenol	670		ug/kg	170	45.	1
Phenol	ND		ug/kg	210	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	69.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	95		25-120
Phenol-d6	111		10-120
Nitrobenzene-d5	111		23-120
2-Fluorobiphenyl	**123**	Q	30-120
2,4,6-Tribromophenol	**226**	Q	0-136
4-Terphenyl-d14	**144**	Q	18-120

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305880
Report Date: 04/15/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/14/13 14:41
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 04/12/13 09:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG601281-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	49	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	49	16.
Benzo(k)fluoranthene	ND		ug/kg	49	16.
Chrysene	ND		ug/kg	49	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	49	16.
Dibenzo(a,h)anthracene	ND		ug/kg	49	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		25-120
Phenol-d6	50		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	51		30-120
2,4,6-Tribromophenol	63		0-136
4-Terphenyl-d14	96		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305880

Report Date: 04/15/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG601281-2 WG601281-3								
Bis(2-Ethylhexyl)phthalate	96		92		40-140	4		50
Dimethyl phthalate	76		73		40-140	4		50
Benzo(a)anthracene	89		86		40-140	3		50
Benzo(a)pyrene	93		87		40-140	7		50
Benzo(b)fluoranthene	94		78		40-140	19		50
Benzo(k)fluoranthene	75		84		40-140	11		50
Chrysene	82		78		40-140	5		50
Fluorene	69		63		40-140	9		50
Phenanthrene	78		76		40-140	3		50
Dibenzo(a,h)anthracene	90		83		40-140	8		50
Indeno(1,2,3-cd)Pyrene	93		86		40-140	8		50
2-Chlorophenol	46		31		25-102	39		50
Pentachlorophenol	83		78		17-109	6		50
Phenol	48		34		26-90	34		50
3-Methylphenol/4-Methylphenol	46		38		30-130	19		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305880

Report Date: 04/15/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG601281-2 WG601281-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	61		39		25-120
Phenol-d6	65		44		10-120
Nitrobenzene-d5	68		45		23-120
2-Fluorobiphenyl	67		53		30-120
2,4,6-Tribromophenol	127		118		0-136
4-Terphenyl-d14	106		96		18-120

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305880
Project Number: Not Specified
Report Date: 04/15/13

SAMPLE RESULTS

Lab ID: L1305880-01
Client ID: S005S010
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 78%

Date Collected: 04/04/13 08:40
Date Received: 04/04/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	4.4		mg/kg	0.49	0.15	1	04/10/13 12:26	04/11/13 11:49	EPA 3050B	1,6010C	MG
Barium, Total	160		mg/kg	0.49	0.15	1	04/10/13 12:26	04/11/13 11:49	EPA 3050B	1,6010C	MG
Beryllium, Total	0.63		mg/kg	0.25	0.02	1	04/10/13 12:26	04/11/13 11:49	EPA 3050B	1,6010C	MG
Cadmium, Total	54		mg/kg	0.49	0.03	1	04/10/13 12:26	04/11/13 11:49	EPA 3050B	1,6010C	MG
Chromium, Total	91		mg/kg	0.49	0.10	1	04/10/13 12:26	04/11/13 11:49	EPA 3050B	1,6010C	MG
Copper, Total	54		mg/kg	0.49	0.25	1	04/10/13 12:26	04/11/13 11:49	EPA 3050B	1,6010C	MG
Lead, Total	280		mg/kg	2.5	0.15	1	04/10/13 12:26	04/11/13 11:49	EPA 3050B	1,6010C	MG
Mercury, Total	18		mg/kg	1.2	0.24	12	04/11/13 10:15	04/11/13 13:49	EPA 7471B	1,7471B	MC
Nickel, Total	16		mg/kg	1.2	0.20	1	04/10/13 12:26	04/11/13 11:49	EPA 3050B	1,6010C	MG
Selenium, Total	1.6		mg/kg	0.99	0.15	1	04/10/13 12:26	04/11/13 11:49	EPA 3050B	1,6010C	MG
Silver, Total	0.19	J	mg/kg	0.49	0.10	1	04/10/13 12:26	04/11/13 11:49	EPA 3050B	1,6010C	MG
Zinc, Total	150		mg/kg	2.5	0.25	1	04/10/13 12:26	04/11/13 11:49	EPA 3050B	1,6010C	MG

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305880

Project Number: Not Specified **Report Date:** 04/15/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG600776-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.20	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Lead, Total	0.13	J	mg/kg	2.0	0.12	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Zinc, Total	0.22	J	mg/kg	2.0	0.20	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG600979-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/11/13 10:15	04/11/13 12:26	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305880

Report Date: 04/15/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG600776-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	94		-		81-119	-		
Barium, Total	96		-		83-118	-		
Beryllium, Total	92		-		83-117	-		
Cadmium, Total	89		-		82-117	-		
Chromium, Total	92		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	96		-		80-120	-		
Nickel, Total	94		-		82-117	-		
Selenium, Total	80		-		80-120	-		
Silver, Total	91		-		66-134	-		
Zinc, Total	91		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG600979-2 SRM Lot Number: 0518-10-02								
Mercury, Total	114		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305880
Report Date: 04/15/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600776-4 QC Sample: L1305865-01 Client ID: MS Sample												
Arsenic, Total	3.6	10.5	13	89		-	-		75-125	-		35
Barium, Total	100	176	250	85		-	-		75-125	-		35
Beryllium, Total	0.48	4.39	4.3	87		-	-		75-125	-		35
Cadmium, Total	0.15J	4.48	36	80		-	-		75-125	-		35
Chromium, Total	24.	17.6	39	85		-	-		75-125	-		35
Copper, Total	49.	22	55	**27**	Q	-	-		75-125	-		35
Lead, Total	50.	44.8	66	**36**	Q	-	-		75-125	-		35
Nickel, Total	18.	43.9	55	84		-	-		75-125	-		35
Selenium, Total	1.3J	10.5	8.9	84		-	-		75-125	-		35
Silver, Total	ND	26.3	28	106		-	-		75-125	-		35
Zinc, Total	120	43.9	120	**0**	Q	-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600979-4 QC Sample: L1305504-01 Client ID: MS Sample												
Mercury, Total	0.17	0.158	0.45	**177**	Q	-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305880
Report Date: 04/15/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600776-3 QC Sample: L1305865-01 Client ID: DUP Sample						
Arsenic, Total	3.6	2.5	mg/kg	**36**	Q	35
Barium, Total	100	110	mg/kg	10		35
Beryllium, Total	0.48	0.40J	mg/kg	NC		35
Cadmium, Total	0.15J	ND	mg/kg	NC		35
Chromium, Total	24.	26	mg/kg	8		35
Copper, Total	49.	36	mg/kg	31		35
Lead, Total	50.	33	mg/kg	**41**	Q	35
Nickel, Total	18.	19	mg/kg	5		35
Selenium, Total	1.3J	0.46J	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Zinc, Total	120	78	mg/kg	**42**	Q	35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600979-3 QC Sample: L1305504-01 Client ID: DUP Sample						
Mercury, Total	0.17	0.12	mg/kg	34		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305880
Report Date: 04/15/13

SAMPLE RESULTS

Lab ID: L1305880-01
Client ID: S005S010
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Date Collected: 04/04/13 08:40
Date Received: 04/04/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.8		%	0.100	NA	1	-	04/05/13 15:49	30,2540G	RD
Cyanide, Total	1.3		mg/kg	1.2	0.28	2	04/09/13 12:55	04/10/13 14:16	1,9010C/9012A	JO

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305880

Project Number: Not Specified **Report Date:** 04/15/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG600524-1										
Cyanide, Total	ND		mg/kg	0.85	0.20	1	04/09/13 12:55	04/10/13 14:04	1,9010C/9012A	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305880

Report Date: 04/15/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG600524-4 WG600524-5								
Cyanide, Total	111		109		80-120	2		35

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305880
Report Date: 04/15/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600524-3 WG600524-2 QC Sample: L1305978-01 Client ID: MS Sample												
Cyanide, Total	ND	10	11	100		11	110		65-135	0		35

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305880
Project Number:	Not Specified	**Report Date:**	04/15/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305880
Project Number:	Not Specified	**Report Date:**	04/15/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305880
Project Number:	Not Specified	**Report Date:**	04/15/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL — World Class Chemistry

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab: 4/5/13

ALPHA Job #: L1305880

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/11/13 Time:

Report Information / Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Extract/Digest Sample S005015 and Sample S010015.
Composite and analyze Extract/Digestate as Sample inidicated below.
Detection limits to meet NYSDEC Part 375 Requirements (0.5 x Unrestricted)
Use average of associated aliquot %Moisture for result calculations

Sample Handling

Filtration
☐ Done
☐ Not Needed
☐ Lab to do

Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cyanide	Metals-See attached list (no Cr6+)	PCBs	SVOCs-See atached list									Sample Specific Comments	TOTAL # BOTTLES
05880.1	S005S010	4/4	840	S	[illegible]	☒	☒	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐		

Container Type	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/4 11:08	Robert Haines	4/4/13 1105
Robert Haines	4/4/13 2030	Kyle Cungham	4-4-13 2030
Kyle Cungham	4/5/13 0030	[signature]	4/5/13 0030

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ)
(rev. 5-JAN-12)

ANALYTICAL REPORT

Lab Number:	L1305879
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/26/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305879
Report Date: 04/26/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305879-01	S005015	GLENS FALLS NEW YORK	04/04/13 08:30
L1305879-02	S010015	GLENS FALLS NEW YORK	04/04/13 08:40

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305879
Project Number:	Not Specified	**Report Date:**	04/26/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305879
Project Number:	Not Specified	**Report Date:**	04/26/13

Case Narrative (continued)

Report Submission

This final report replaces the report issued on April 19, 2013, and includes the results of all requested analyses, including the Hexavalent Chromium analysis on "S005015".

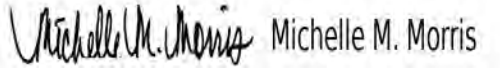
The previously issued partial report replaced the report issued on April 11, 2013. At the client's request, the samples were analyzed for Cadmium, Chromium, Copper, Lead, Mercury, Zinc and Semivolatile Organics.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

L1305879-01 and -02 were re-extracted due to QC failures on the original composited sample (L1305880-01). Both the original and re-extract results are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Michelle M. Morris

Title: Technical Director/Representative Date: 04/26/13

ORGANICS

VOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305879

Project Number: Not Specified **Report Date:** 04/26/13

SAMPLE RESULTS

Lab ID:	L1305879-01	Date Collected:	04/04/13 08:30
Client ID:	S005015	Date Received:	04/04/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/07/13 11:03		
Analyst:	BN		
Percent Solids:	76%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.8	0.45	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.14	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.1	0.95	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	102		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305879

Project Number: Not Specified **Report Date:** 04/26/13

SAMPLE RESULTS

Lab ID:	L1305879-02	Date Collected:	04/04/13 08:40
Client ID:	S010015	Date Received:	04/04/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/07/13 11:31		
Analyst:	BN		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.8	0.45	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.14	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.1	0.95	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	100		70-130

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305879
Report Date: 04/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/07/13 09:38
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG600110-3					
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.28	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Vinyl chloride	ND		ug/kg	2.0	0.14
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305879

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600110-1 WG600110-2								
Methylene chloride	98		91		70-130	7		30
1,1-Dichloroethane	102		91		70-130	11		30
Chloroform	98		88		70-130	11		30
Carbon tetrachloride	95		81		70-130	16		30
1,2-Dichloropropane	100		93		70-130	7		30
Dibromochloromethane	95		88		70-130	8		30
2-Chloroethylvinyl ether	100		93			7		30
1,1,2-Trichloroethane	107		98		70-130	9		30
Tetrachloroethene	94		83		70-130	12		30
Chlorobenzene	97		87		70-130	11		30
Trichlorofluoromethane	105		87		70-139	19		30
1,2-Dichloroethane	102		96		70-130	6		30
1,1,1-Trichloroethane	96		85		70-130	12		30
Bromodichloromethane	96		90		70-130	6		30
trans-1,3-Dichloropropene	104		97		70-130	7		30
cis-1,3-Dichloropropene	97		89		70-130	9		30
1,1-Dichloropropene	98		86		70-130	13		30
Bromoform	96		90		70-130	6		30
1,1,2,2-Tetrachloroethane	110		102		70-130	8		30
Benzene	97		86		70-130	12		30
Toluene	103		91		70-130	12		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305879

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600110-1 WG600110-2								
Ethylbenzene	101		90		70-130	12		30
Chloromethane	130		114		52-130	13		30
Bromomethane	120		106		57-147	12		30
Vinyl chloride	120		101		67-130	17		30
Chloroethane	111		94		50-151	17		30
1,1-Dichloroethene	101		85		65-135	17		30
trans-1,2-Dichloroethene	95		83		70-130	13		30
Trichloroethene	96		85		70-130	12		30
1,2-Dichlorobenzene	100		91		70-130	9		30
1,3-Dichlorobenzene	100		89		70-130	12		30
1,4-Dichlorobenzene	100		91		70-130	9		30
Methyl tert butyl ether	92		87		66-130	6		30
p/m-Xylene	98		87		70-130	12		30
o-Xylene	96		87		70-130	10		30
cis-1,2-Dichloroethene	92		83		70-130	10		30
Dibromomethane	98		91		70-130	7		30
Styrene	99		90		70-130	10		30
Dichlorodifluoromethane	126		108		30-146	15		30
Acetone	128		94		54-140	**31**	Q	30
Carbon disulfide	99		85		59-130	15		30
2-Butanone	119		100		70-130	17		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305879

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600110-1 WG600110-2								
Vinyl acetate	106		99		70-130	7		30
4-Methyl-2-pentanone	87		82		70-130	6		30
1,2,3-Trichloropropane	112		103		68-130	8		30
2-Hexanone	109		95		70-130	14		30
Bromochloromethane	92		86		70-130	7		30
2,2-Dichloropropane	102		89		70-130	14		30
1,2-Dibromoethane	96		90		70-130	6		30
1,3-Dichloropropane	103		96		69-130	7		30
1,1,1,2-Tetrachloroethane	95		88		70-130	8		30
Bromobenzene	98		89		70-130	10		30
n-Butylbenzene	111		97		70-130	13		30
sec-Butylbenzene	106		91		70-130	15		30
tert-Butylbenzene	101		87		70-130	15		30
o-Chlorotoluene	114		91		70-130	22		30
p-Chlorotoluene	109		97		70-130	12		30
1,2-Dibromo-3-chloropropane	83		98		68-130	17		30
Hexachlorobutadiene	103		88		67-130	16		30
Isopropylbenzene	102		90		70-130	13		30
p-Isopropyltoluene	102		89		70-130	14		30
Naphthalene	92		86		70-130	7		30
Acrylonitrile	103		98		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305879

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600110-1 WG600110-2								
Isopropyl Ether	105		98		66-130	7		30
tert-Butyl Alcohol	101		92		70-130	9		30
n-Propylbenzene	109		95		70-130	14		30
1,2,3-Trichlorobenzene	97		90		70-130	7		30
1,2,4-Trichlorobenzene	96		88		70-130	9		30
1,3,5-Trimethylbenzene	106		93		70-130	13		30
1,2,4-Trimethylbenzene	106		94		70-130	12		30
Methyl Acetate	108		102		70-130	6		30
Ethyl Acetate	98		93		70-130	5		30
Acrolein	108		104		70-130	4		30
Cyclohexane	114		96		70-130	17		30
1,4-Dioxane	101		93		65-136	8		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	109		92		70-130	17		30
1,4-Diethylbenzene	103		90		70-130	13		30
4-Ethyltoluene	105		92		70-130	13		30
1,2,4,5-Tetramethylbenzene	98		89		70-130	10		30
Tetrahydrofuran	102		95		66-130	7		30
Ethyl ether	94		90		67-130	4		30
trans-1,4-Dichloro-2-butene	129		115		70-130	11		30
Methyl cyclohexane	103		88		70-130	16		30
Ethyl-Tert-Butyl-Ether	98		92		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305879

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600110-1 WG600110-2								
Tertiary-Amyl Methyl Ether	90		85		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	112		112		70-130
Toluene-d8	109		109		70-130
4-Bromofluorobenzene	107		107		70-130
Dibromofluoromethane	98		99		70-130

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305879

Project Number: Not Specified **Report Date:** 04/26/13

SAMPLE RESULTS

Lab ID:	L1305879-01	Date Collected:	04/04/13 08:30
Client ID:	S005015	Date Received:	04/04/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/08/13 12:41
Analytical Date:	04/19/13 14:57		
Analyst:	JB		
Percent Solids:	76%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	280		ug/kg	130	44.	1
Chrysene	350		ug/kg	130	42.	1
Indeno(1,2,3-cd)pyrene	280		ug/kg	170	48.	1
Pentachlorophenol	620		ug/kg	170	46.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		25-120
Phenol-d6	60		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	111		0-136
4-Terphenyl-d14	77		18-120

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305879

Project Number: Not Specified **Report Date:** 04/26/13

SAMPLE RESULTS

Lab ID:	L1305879-01 RE	Date Collected:	04/04/13 08:30
Client ID:	S005015	Date Received:	04/04/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/12/13 09:24
Analytical Date:	04/19/13 13:40		
Analyst:	JB		
Percent Solids:	76%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	220		ug/kg	64	22.	1
Chrysene	240		ug/kg	64	21.	1
Indeno(1,2,3-cd)pyrene	190		ug/kg	86	24.	1
Pentachlorophenol	470		ug/kg	86	23.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		25-120
Phenol-d6	46		10-120
Nitrobenzene-d5	39		23-120
2-Fluorobiphenyl	53		30-120
2,4,6-Tribromophenol	100		0-136
4-Terphenyl-d14	58		18-120

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305879

Project Number: Not Specified **Report Date:** 04/26/13

SAMPLE RESULTS

Lab ID:	L1305879-02	Date Collected:	04/04/13 08:40
Client ID:	S010015	Date Received:	04/04/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/08/13 12:41
Analytical Date:	04/19/13 15:23		
Analyst:	JB		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	200		ug/kg	120	42.	1
Chrysene	250		ug/kg	120	41.	1
Indeno(1,2,3-cd)pyrene	240		ug/kg	170	46.	1
Pentachlorophenol	ND		ug/kg	170	44.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		25-120
Phenol-d6	55		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	111		0-136
4-Terphenyl-d14	78		18-120

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305879

Project Number: Not Specified **Report Date:** 04/26/13

SAMPLE RESULTS

Lab ID:	L1305879-02 RE	Date Collected:	04/04/13 08:40
Client ID:	S010015	Date Received:	04/04/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/12/13 09:24
Analytical Date:	04/19/13 14:05		
Analyst:	JB		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	140		ug/kg	62	21.	1
Chrysene	140		ug/kg	62	20.	1
Indeno(1,2,3-cd)pyrene	140		ug/kg	83	23.	1
Pentachlorophenol	ND		ug/kg	83	22.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		25-120
Phenol-d6	37		10-120
Nitrobenzene-d5	37		23-120
2-Fluorobiphenyl	36		30-120
2,4,6-Tribromophenol	76		0-136
4-Terphenyl-d14	39		18-120

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305879
Report Date: 04/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/14/13 14:41
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 04/12/13 09:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG601281-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	49	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	49	16.
Benzo(k)fluoranthene	ND		ug/kg	49	16.
Chrysene	ND		ug/kg	49	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	49	16.
Dibenzo(a,h)anthracene	ND		ug/kg	49	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		25-120
Phenol-d6	50		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	51		30-120
2,4,6-Tribromophenol	63		0-136
4-Terphenyl-d14	96		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305879
Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG601281-2 WG601281-3								
Bis(2-Ethylhexyl)phthalate	96		92		40-140	4		50
Dimethyl phthalate	76		73		40-140	4		50
Benzo(a)anthracene	89		86		40-140	3		50
Benzo(a)pyrene	93		87		40-140	7		50
Benzo(b)fluoranthene	94		78		40-140	19		50
Benzo(k)fluoranthene	75		84		40-140	11		50
Chrysene	82		78		40-140	5		50
Fluorene	69		63		40-140	9		50
Phenanthrene	78		76		40-140	3		50
Dibenzo(a,h)anthracene	90		83		40-140	8		50
Indeno(1,2,3-cd)Pyrene	93		86		40-140	8		50
2-Chlorophenol	46		31		25-102	39		50
Pentachlorophenol	83		78		17-109	6		50
Phenol	48		34		26-90	34		50
3-Methylphenol/4-Methylphenol	46		38		30-130	19		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305879

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG601281-2 WG601281-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	61		39		25-120
Phenol-d6	65		44		10-120
Nitrobenzene-d5	68		45		23-120
2-Fluorobiphenyl	67		53		30-120
2,4,6-Tribromophenol	127		118		0-136
4-Terphenyl-d14	106		96		18-120

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305879
Project Number: Not Specified
Report Date: 04/26/13

SAMPLE RESULTS

Lab ID: L1305879-01
Client ID: S005015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 76%

Date Collected: 04/04/13 08:30
Date Received: 04/04/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	68		mg/kg	0.51	0.03	1	04/10/13 12:26	04/11/13 11:04	EPA 3050B	1,6010C	MG
Chromium, Total	120		mg/kg	0.51	0.10	1	04/10/13 12:26	04/11/13 11:04	EPA 3050B	1,6010C	MG
Copper, Total	85		mg/kg	0.51	0.26	1	04/10/13 12:26	04/11/13 11:04	EPA 3050B	1,6010C	MG
Lead, Total	540		mg/kg	2.6	0.15	1	04/10/13 12:26	04/11/13 11:04	EPA 3050B	1,6010C	MG
Mercury, Total	15		mg/kg	1.4	0.30	15	04/11/13 10:15	04/11/13 13:53	EPA 7471B	1,7471B	MC
Nickel, Total	16		mg/kg	1.3	0.20	1	04/10/13 12:26	04/11/13 11:04	EPA 3050B	1,6010C	MG
Zinc, Total	240		mg/kg	2.6	0.26	1	04/10/13 12:26	04/11/13 11:04	EPA 3050B	1,6010C	MG

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305879
Project Number: Not Specified
Report Date: 04/26/13

SAMPLE RESULTS

Lab ID: L1305879-02
Client ID: S010015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 79%

Date Collected: 04/04/13 08:40
Date Received: 04/04/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	43		mg/kg	0.48	0.03	1	04/10/13 12:26	04/11/13 11:21	EPA 3050B	1,6010C	MG
Chromium, Total	67		mg/kg	0.48	0.10	1	04/10/13 12:26	04/11/13 11:21	EPA 3050B	1,6010C	MG
Copper, Total	26		mg/kg	0.48	0.24	1	04/10/13 12:26	04/11/13 11:21	EPA 3050B	1,6010C	MG
Lead, Total	79		mg/kg	2.4	0.14	1	04/10/13 12:26	04/11/13 11:21	EPA 3050B	1,6010C	MG
Mercury, Total	12		mg/kg	0.97	0.20	10	04/11/13 10:15	04/11/13 13:22	EPA 7471B	1,7471B	MC
Nickel, Total	17		mg/kg	1.2	0.19	1	04/10/13 12:26	04/11/13 11:21	EPA 3050B	1,6010C	MG
Zinc, Total	79		mg/kg	2.4	0.24	1	04/10/13 12:26	04/11/13 11:21	EPA 3050B	1,6010C	MG

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305879

Project Number: Not Specified **Report Date:** 04/26/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG600776-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.20	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Lead, Total	0.13	J	mg/kg	2.0	0.12	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Zinc, Total	0.22	J	mg/kg	2.0	0.20	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG600979-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/11/13 10:15	04/11/13 12:26	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305879

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG600776-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	94		-		81-119	-		
Barium, Total	96		-		83-118	-		
Beryllium, Total	92		-		83-117	-		
Cadmium, Total	89		-		82-117	-		
Chromium, Total	92		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	96		-		80-120	-		
Nickel, Total	94		-		82-117	-		
Selenium, Total	80		-		80-120	-		
Silver, Total	91		-		66-134	-		
Zinc, Total	91		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG600979-2 SRM Lot Number: 0518-10-02								
Mercury, Total	114		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305879
Report Date: 04/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600776-4 QC Sample: L1305865-01 Client ID: MS Sample												
Arsenic, Total	3.6	10.5	13	89		-	-		75-125	-		35
Barium, Total	100	176	250	85		-	-		75-125	-		35
Beryllium, Total	0.48	4.39	4.3	87		-	-		75-125	-		35
Cadmium, Total	0.15J	4.48	36	80		-	-		75-125	-		35
Chromium, Total	24.	17.6	39	85		-	-		75-125	-		35
Copper, Total	49.	22	55	**27**	Q	-	-		75-125	-		35
Lead, Total	50.	44.8	66	**36**	Q	-	-		75-125	-		35
Nickel, Total	18.	43.9	55	84		-	-		75-125	-		35
Selenium, Total	1.3J	10.5	8.9	84		-	-		75-125	-		35
Silver, Total	ND	26.3	28	106		-	-		75-125	-		35
Zinc, Total	120	43.9	120	**0**	Q	-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600979-4 QC Sample: L1305504-01 Client ID: MS Sample												
Mercury, Total	0.17	0.158	0.45	**177**	Q	-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305879
Report Date: 04/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600776-3 QC Sample: L1305865-01 Client ID: DUP Sample						
Arsenic, Total	3.6	2.5	mg/kg	**36**	Q	35
Barium, Total	100	110	mg/kg	10		35
Beryllium, Total	0.48	0.40J	mg/kg	NC		35
Cadmium, Total	0.15J	ND	mg/kg	NC		35
Chromium, Total	24.	26	mg/kg	8		35
Copper, Total	49.	36	mg/kg	31		35
Lead, Total	50.	33	mg/kg	**41**	Q	35
Nickel, Total	18.	19	mg/kg	5		35
Selenium, Total	1.3J	0.46J	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Zinc, Total	120	78	mg/kg	**42**	Q	35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600979-3 QC Sample: L1305504-01 Client ID: DUP Sample						
Mercury, Total	0.17	0.12	mg/kg	34		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305879
Report Date: 04/26/13

SAMPLE RESULTS

Lab ID: L1305879-01
Client ID: S005015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/04/13 08:30
Date Received: 04/04/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.3		%	0.100	NA	1	-	04/05/13 15:49	30,2540G	RD
Chromium, Hexavalent	ND		mg/kg	1.0	0.24	1	04/23/13 12:05	04/24/13 02:44	1,7196A	ST

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305879
Report Date: 04/26/13

SAMPLE RESULTS

Lab ID: L1305879-02
Client ID: S010015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/04/13 08:40
Date Received: 04/04/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.3		%	0.100	NA	1	-	04/05/13 15:49	30,2540G	RD

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305879

Project Number: Not Specified **Report Date:** 04/26/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG603313-1										
Chromium, Hexavalent	ND		mg/l	0.80	0.18	1	04/23/13 12:05	04/24/13 02:40	1,7196A	ST

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305879

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG603313-2								
Chromium, Hexavalent	95		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305879
Report Date: 04/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG603313-4 QC Sample: L1305881-01 Client ID: MS Sample												
Chromium, Hexavalent	ND	1380	1200	87		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305879
Report Date: 04/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599900-1 QC Sample: L1305862-07 Client ID: DUP Sample						
Solids, Total	85.3	85.5	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG603313-6 QC Sample: L1305881-01 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305879
Report Date: 04/26/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 04/05/2013 01:59

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305879-01A	Vial MeOH preserved	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1305879-01B	Vial water preserved	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1305879-01C	Vial water preserved	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1305879-01D	Plastic 2oz unpreserved for TS	A	N/A	2.2	Y	Absent	TS(7)
L1305879-01E	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180),HEXCR-7196(30)
L1305879-01F	Amber 250ml unpreserved	A	N/A	2.2	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180),HEXCR-7196(30)
L1305879-02A	Vial MeOH preserved	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1305879-02B	Vial water preserved	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1305879-02C	Vial water preserved	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1305879-02D	Plastic 2oz unpreserved for TS	A	N/A	2.2	Y	Absent	TS(7)
L1305879-02E	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305879
Report Date: 04/26/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305879-02F	Amber 250ml unpreserved	A	N/A	2.2	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305879
Project Number:	Not Specified	**Report Date:**	04/26/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305879
Project Number:	Not Specified	**Report Date:**	04/26/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305879
Project Number:	Not Specified	**Report Date:**	04/26/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

Serial_No:04261319:24

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL — World Class Chemistry

Westborough, MA — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA — TEL: 508-822-9300 — FAX: 508-822-3288

Date Rec'd in Lab: 4/5/13

ALPHA Job #: L1305879

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/11/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Detection limits to meet NYSDEC Part 375 Requirements (Unrestricted)
Find %Moisture of each aliquot and calculate average for use as %Moisture of associated composite sample

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs-See attached list	Hexavalent Chromium-Hold	Cyanide-Hold	Metals-See attached list-Hold	PCBs-Hold	SVOCs-See attached list-Hold	Sample Specific Comments	TOTAL # BOTTLES
05879. 1	S005015	4/4	830	S	SR	☒	☒	☒	☒	☐	☒		
2	S010015	4/4	840	S	SR	☒	☒	☒	☒	☐	☒		

Container Type	-
Preservative	-

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/4 1105	Robert Haines	4/4/13 1105
Robert Haines	4/4/13 2030	Kyle Cunfrau	4-4-13 2030
Kyle Cunfrau	4/5/13 0050	[signature]	4/5/13 0050

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 5-JAN-12)

ANALYTICAL REPORT

Lab Number:	L1305878
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/15/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305878
Report Date: 04/15/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305878-01	S004S008	GLENS FALLS NEW YORK	04/04/13 09:05

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305878
Project Number: Not Specified **Report Date:** 04/15/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305878
Project Number:	Not Specified	**Report Date:**	04/15/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 04/15/13

ORGANICS

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305878

Project Number: Not Specified **Report Date:** 04/15/13

SAMPLE RESULTS

Lab ID:	L1305878-01	Date Collected:	04/04/13 09:05
Client ID:	S004S008	Date Received:	04/04/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/12/13 09:24
Analytical Date:	04/14/13 17:24		
Analyst:	JB		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	52.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	170		ug/kg	120	39.	1
Benzo(a)pyrene	180		ug/kg	160	48.	1
Benzo(b)fluoranthene	200		ug/kg	120	40.	1
Benzo(k)fluoranthene	100	J	ug/kg	120	38.	1
Chrysene	180		ug/kg	120	39.	1
Fluorene	ND		ug/kg	200	57.	1
Phenanthrene	140		ug/kg	120	39.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)pyrene	110	J	ug/kg	160	44.	1
2-Chlorophenol	ND		ug/kg	200	60.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	58.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	65.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	**220**	Q	0-136
4-Terphenyl-d14	**152**	Q	18-120

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305878
Report Date: 04/15/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/14/13 14:41
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 04/12/13 09:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG601281-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	49	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	49	16.
Benzo(k)fluoranthene	ND		ug/kg	49	16.
Chrysene	ND		ug/kg	49	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	49	16.
Dibenzo(a,h)anthracene	ND		ug/kg	49	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		25-120
Phenol-d6	50		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	51		30-120
2,4,6-Tribromophenol	63		0-136
4-Terphenyl-d14	96		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305878

Report Date: 04/15/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG601281-2 WG601281-3								
Bis(2-Ethylhexyl)phthalate	96		92		40-140	4		50
Dimethyl phthalate	76		73		40-140	4		50
Benzo(a)anthracene	89		86		40-140	3		50
Benzo(a)pyrene	93		87		40-140	7		50
Benzo(b)fluoranthene	94		78		40-140	19		50
Benzo(k)fluoranthene	75		84		40-140	11		50
Chrysene	82		78		40-140	5		50
Fluorene	69		63		40-140	9		50
Phenanthrene	78		76		40-140	3		50
Dibenzo(a,h)anthracene	90		83		40-140	8		50
Indeno(1,2,3-cd)Pyrene	93		86		40-140	8		50
2-Chlorophenol	46		31		25-102	39		50
Pentachlorophenol	83		78		17-109	6		50
Phenol	48		34		26-90	34		50
3-Methylphenol/4-Methylphenol	46		38		30-130	19		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305878

Report Date: 04/15/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG601281-2 WG601281-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	61		39		25-120
Phenol-d6	65		44		10-120
Nitrobenzene-d5	68		45		23-120
2-Fluorobiphenyl	67		53		30-120
2,4,6-Tribromophenol	127		118		0-136
4-Terphenyl-d14	106		96		18-120

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305878
Project Number: Not Specified
Report Date: 04/15/13

SAMPLE RESULTS

Lab ID: L1305878-01
Client ID: S004S008
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 82%

Date Collected: 04/04/13 09:05
Date Received: 04/04/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	3.6		mg/kg	0.47	0.14	1	04/10/13 12:26	04/11/13 11:46	EPA 3050B	1,6010C	MG
Barium, Total	110		mg/kg	0.47	0.14	1	04/10/13 12:26	04/11/13 11:46	EPA 3050B	1,6010C	MG
Beryllium, Total	0.36		mg/kg	0.23	0.02	1	04/10/13 12:26	04/11/13 11:46	EPA 3050B	1,6010C	MG
Cadmium, Total	16		mg/kg	0.47	0.03	1	04/10/13 12:26	04/11/13 11:46	EPA 3050B	1,6010C	MG
Chromium, Total	35		mg/kg	0.47	0.09	1	04/10/13 12:26	04/11/13 11:46	EPA 3050B	1,6010C	MG
Copper, Total	39		mg/kg	0.47	0.23	1	04/10/13 12:26	04/11/13 11:46	EPA 3050B	1,6010C	MG
Lead, Total	92		mg/kg	2.3	0.14	1	04/10/13 12:26	04/11/13 11:46	EPA 3050B	1,6010C	MG
Mercury, Total	7.3		mg/kg	0.93	0.20	10	04/11/13 10:15	04/11/13 13:14	EPA 7471B	1,7471B	MC
Nickel, Total	7.7		mg/kg	1.2	0.19	1	04/10/13 12:26	04/11/13 11:46	EPA 3050B	1,6010C	MG
Selenium, Total	0.73	J	mg/kg	0.93	0.14	1	04/10/13 12:26	04/11/13 11:46	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.47	0.09	1	04/10/13 12:26	04/11/13 11:46	EPA 3050B	1,6010C	MG
Zinc, Total	82		mg/kg	2.3	0.23	1	04/10/13 12:26	04/11/13 11:46	EPA 3050B	1,6010C	MG

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305878

Project Number: Not Specified **Report Date:** 04/15/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG600776-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.20	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Lead, Total	0.13	J	mg/kg	2.0	0.12	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Zinc, Total	0.22	J	mg/kg	2.0	0.20	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG600979-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/11/13 10:15	04/11/13 12:26	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305878

Report Date: 04/15/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG600776-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	94		-		81-119	-		
Barium, Total	96		-		83-118	-		
Beryllium, Total	92		-		83-117	-		
Cadmium, Total	89		-		82-117	-		
Chromium, Total	92		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	96		-		80-120	-		
Nickel, Total	94		-		82-117	-		
Selenium, Total	80		-		80-120	-		
Silver, Total	91		-		66-134	-		
Zinc, Total	91		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG600979-2 SRM Lot Number: 0518-10-02								
Mercury, Total	114		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305878
Report Date: 04/15/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600776-4 QC Sample: L1305865-01 Client ID: MS Sample												
Arsenic, Total	3.6	10.5	13	89		-	-		75-125	-		35
Barium, Total	100	176	250	85		-	-		75-125	-		35
Beryllium, Total	0.48	4.39	4.3	87		-	-		75-125	-		35
Cadmium, Total	0.15J	4.48	36	80		-	-		75-125	-		35
Chromium, Total	24.	17.6	39	85		-	-		75-125	-		35
Copper, Total	49.	22	55	**27**	Q	-	-		75-125	-		35
Lead, Total	50.	44.8	66	**36**	Q	-	-		75-125	-		35
Nickel, Total	18.	43.9	55	84		-	-		75-125	-		35
Selenium, Total	1.3J	10.5	8.9	84		-	-		75-125	-		35
Silver, Total	ND	26.3	28	106		-	-		75-125	-		35
Zinc, Total	120	43.9	120	**0**	Q	-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600979-4 QC Sample: L1305504-01 Client ID: MS Sample												
Mercury, Total	0.17	0.158	0.45	**177**	Q	-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305878
Report Date: 04/15/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600776-3 QC Sample: L1305865-01 Client ID: DUP Sample						
Arsenic, Total	3.6	2.5	mg/kg	**36**	Q	35
Barium, Total	100	110	mg/kg	10		35
Beryllium, Total	0.48	0.40J	mg/kg	NC		35
Cadmium, Total	0.15J	ND	mg/kg	NC		35
Chromium, Total	24.	26	mg/kg	8		35
Copper, Total	49.	36	mg/kg	31		35
Lead, Total	50.	33	mg/kg	**41**	Q	35
Nickel, Total	18.	19	mg/kg	5		35
Selenium, Total	1.3J	0.46J	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Zinc, Total	120	78	mg/kg	**42**	Q	35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600979-3 QC Sample: L1305504-01 Client ID: DUP Sample						
Mercury, Total	0.17	0.12	mg/kg	34		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305878
Report Date: 04/15/13

SAMPLE RESULTS

Lab ID: L1305878-01
Client ID: S004S008
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Date Collected: 04/04/13 09:05
Date Received: 04/04/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.3		%	0.100	NA	1	-	04/05/13 15:09	30,2540G	RD
Cyanide, Total	ND		mg/kg	1.2	0.28	2	04/09/13 12:55	04/10/13 14:14	1,9010C/9012A	JO

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305878

Project Number: Not Specified **Report Date:** 04/15/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG600524-1										
Cyanide, Total	ND		mg/kg	0.85	0.20	1	04/09/13 12:55	04/10/13 14:04	1,9010C/9012A	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305878

Report Date: 04/15/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG600524-4 WG600524-5								
Cyanide, Total	111		109		80-120	2		35

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305878
Report Date: 04/15/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600524-3 WG600524-2 QC Sample: L1305978-01 Client ID: MS Sample												
Cyanide, Total	ND	10	11	100		11	110		65-135	0		35

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305878
Project Number:	Not Specified	**Report Date:**	04/15/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305878
Project Number:	Not Specified	**Report Date:**	04/15/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305878
Project Number:	Not Specified	**Report Date:**	04/15/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
World Class Chemistry

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab: 4/5/13

ALPHA Job #: L1305878

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/11/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:
Extract/Digest Sample 5004015 and Sample 5008015.
Composite and analyze Extract/Digestate as Sample inidicated below.
Detection limits to meet NYSDEC Part 375 Requirements (0.5 x Unrestricted)
Use average of associated aliquot %Moisture for result calculations

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cyanide	Metals-See attached list (no Cr6+)	PCBs	SVOCs-See atached list									Sample Specific Comments	TOTAL # BOTTLES
05878 .1	S0045008	4/4	905	S	SH	☒	☒	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
					Container Type	-	-	-	-	-	-	-	-	-	-	-	-		
					Preservative	-	-	-	-	-	-	-	-	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/4 1105	Robert Haine	4/4/13 1105
Robert Haine	4/4/13 2030	Kyle Cingman	4-4-13 2030
Kyle Cingman	4/5/13 0020	[signature]	4/5/13 0030

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ)
(rev. 5-JAN-12)

JOB: L1305877 REPORT STYLE: Data Usability Report
001: Cover & Signature Pages - OK
006: Narrative Page(s) - OK
010: Cover Page - OK
011: Volatiles Sample Results - OK
012: Volatiles Blank Report - OK
013: Volatiles LCS Report - OK
018: Cover Page - OK
020: Semivolatiles Blank Report - OK
021: Semivolatiles LCS Report - OK
100: Metals Sample Results - OK
101: Metals Blank Report - OK
102: Metals LCS Report - OK
104: Metals Matrix Spike Report - OK
105: Metals Duplicate Report - OK
118: Cover Page - OK
120: Wet Chemistry Sample Results - OK
125: Wet Chemistry Duplicate Report - OK
510: Container Report - OK
520: Glossary - OK
540: Reference Report - OK

No results found for sample L1305877-01 for product AG-TI
No results found for sample L1305877-01 for product AS-TI
No results found for sample L1305877-01 for product BA-TI
No results found for sample L1305877-01 for product BE-TI
No results found for sample L1305877-01 for product NI-TI
No results found for sample L1305877-01 for product NYTCL-8270
No results found for sample L1305877-01 for product SE-TI
No results found for sample L1305877-01 for product TCN-9010
No results found for sample L1305877-02 for product AG-TI
No results found for sample L1305877-02 for product AS-TI
No results found for sample L1305877-02 for product BA-TI
No results found for sample L1305877-02 for product BE-TI
No results found for sample L1305877-02 for product NI-TI
No results found for sample L1305877-02 for product NYTCL-8270
No results found for sample L1305877-02 for product SE-TI
No results found for sample L1305877-02 for product TCN-9010

ANALYTICAL REPORT

Lab Number:	L1305877
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/19/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305877
Report Date: 04/19/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305877-01	S004015	GLENS FALLS NEW YORK	04/04/13 09:05
L1305877-02	S008015	GLENS FALLS NEW YORK	04/04/13 08:50

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305877
Project Number: Not Specified **Report Date:** 04/19/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305877
Project Number:	Not Specified	**Report Date:**	04/19/13

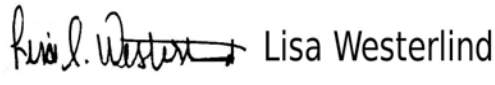
Case Narrative (continued)

Report Submission

This partial report replaces the partial report issued on April 11, 2013. At the client's request, the samples were analyzed for Cadmium, Chromium, Copper, Lead, Mercury and Zinc. A final report will be issued as soon as the results of all requested analyses become available.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Lisa Westerlind

Title: Technical Director/Representative Date: 04/19/13

ORGANICS

VOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305877

Project Number: Not Specified **Report Date:** 04/19/13

SAMPLE RESULTS

Lab ID:	L1305877-01	Date Collected:	04/04/13 09:05
Client ID:	S004015	Date Received:	04/04/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/07/13 10:06		
Analyst:	BN		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	2.0	0.51	1
Carbon tetrachloride	ND		ug/kg	1.4	0.29	1
Chlorobenzene	ND		ug/kg	1.4	0.48	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.20	1
Benzene	ND		ug/kg	1.4	0.16	1
Toluene	ND		ug/kg	2.0	0.15	1
Ethylbenzene	ND		ug/kg	1.4	0.20	1
Chloromethane	ND		ug/kg	6.8	1.1	1
Vinyl chloride	ND		ug/kg	2.7	0.19	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.29	1
Trichloroethene	ND		ug/kg	1.4	0.21	1
1,2-Dichlorobenzene	ND		ug/kg	6.8	0.25	1
1,3-Dichlorobenzene	ND		ug/kg	6.8	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	6.8	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	101		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305877

Project Number: Not Specified **Report Date:** 04/19/13

SAMPLE RESULTS

Lab ID:	L1305877-02	Date Collected:	04/04/13 08:50
Client ID:	S008015	Date Received:	04/04/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/07/13 10:35		
Analyst:	BN		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	0.21	J	ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.1	0.79	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	101		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305877

Project Number: Not Specified **Report Date:** 04/19/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/07/13 09:38
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG600110-3					
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.28	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Vinyl chloride	ND		ug/kg	2.0	0.14
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305877

Report Date: 04/19/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600110-1 WG600110-2								
Methylene chloride	98		91		70-130	7		30
1,1-Dichloroethane	102		91		70-130	11		30
Chloroform	98		88		70-130	11		30
Carbon tetrachloride	95		81		70-130	16		30
1,2-Dichloropropane	100		93		70-130	7		30
Dibromochloromethane	95		88		70-130	8		30
2-Chloroethylvinyl ether	100		93			7		30
1,1,2-Trichloroethane	107		98		70-130	9		30
Tetrachloroethene	94		83		70-130	12		30
Chlorobenzene	97		87		70-130	11		30
Trichlorofluoromethane	105		87		70-139	19		30
1,2-Dichloroethane	102		96		70-130	6		30
1,1,1-Trichloroethane	96		85		70-130	12		30
Bromodichloromethane	96		90		70-130	6		30
trans-1,3-Dichloropropene	104		97		70-130	7		30
cis-1,3-Dichloropropene	97		89		70-130	9		30
1,1-Dichloropropene	98		86		70-130	13		30
Bromoform	96		90		70-130	6		30
1,1,2,2-Tetrachloroethane	110		102		70-130	8		30
Benzene	97		86		70-130	12		30
Toluene	103		91		70-130	12		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305877

Report Date: 04/19/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600110-1 WG600110-2								
Ethylbenzene	101		90		70-130	12		30
Chloromethane	130		114		52-130	13		30
Bromomethane	120		106		57-147	12		30
Vinyl chloride	120		101		67-130	17		30
Chloroethane	111		94		50-151	17		30
1,1-Dichloroethene	101		85		65-135	17		30
trans-1,2-Dichloroethene	95		83		70-130	13		30
Trichloroethene	96		85		70-130	12		30
1,2-Dichlorobenzene	100		91		70-130	9		30
1,3-Dichlorobenzene	100		89		70-130	12		30
1,4-Dichlorobenzene	100		91		70-130	9		30
Methyl tert butyl ether	92		87		66-130	6		30
p/m-Xylene	98		87		70-130	12		30
o-Xylene	96		87		70-130	10		30
cis-1,2-Dichloroethene	92		83		70-130	10		30
Dibromomethane	98		91		70-130	7		30
Styrene	99		90		70-130	10		30
Dichlorodifluoromethane	126		108		30-146	15		30
Acetone	128		94		54-140	**31**	Q	30
Carbon disulfide	99		85		59-130	15		30
2-Butanone	119		100		70-130	17		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305877

Report Date: 04/19/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600110-1 WG600110-2								
Vinyl acetate	106		99		70-130	7		30
4-Methyl-2-pentanone	87		82		70-130	6		30
1,2,3-Trichloropropane	112		103		68-130	8		30
2-Hexanone	109		95		70-130	14		30
Bromochloromethane	92		86		70-130	7		30
2,2-Dichloropropane	102		89		70-130	14		30
1,2-Dibromoethane	96		90		70-130	6		30
1,3-Dichloropropane	103		96		69-130	7		30
1,1,1,2-Tetrachloroethane	95		88		70-130	8		30
Bromobenzene	98		89		70-130	10		30
n-Butylbenzene	111		97		70-130	13		30
sec-Butylbenzene	106		91		70-130	15		30
tert-Butylbenzene	101		87		70-130	15		30
o-Chlorotoluene	114		91		70-130	22		30
p-Chlorotoluene	109		97		70-130	12		30
1,2-Dibromo-3-chloropropane	83		98		68-130	17		30
Hexachlorobutadiene	103		88		67-130	16		30
Isopropylbenzene	102		90		70-130	13		30
p-Isopropyltoluene	102		89		70-130	14		30
Naphthalene	92		86		70-130	7		30
Acrylonitrile	103		98		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305877

Report Date: 04/19/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600110-1 WG600110-2								
Isopropyl Ether	105		98		66-130	7		30
tert-Butyl Alcohol	101		92		70-130	9		30
n-Propylbenzene	109		95		70-130	14		30
1,2,3-Trichlorobenzene	97		90		70-130	7		30
1,2,4-Trichlorobenzene	96		88		70-130	9		30
1,3,5-Trimethylbenzene	106		93		70-130	13		30
1,2,4-Trimethylbenzene	106		94		70-130	12		30
Methyl Acetate	108		102		70-130	6		30
Ethyl Acetate	98		93		70-130	5		30
Acrolein	108		104		70-130	4		30
Cyclohexane	114		96		70-130	17		30
1,4-Dioxane	101		93		65-136	8		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	109		92		70-130	17		30
1,4-Diethylbenzene	103		90		70-130	13		30
4-Ethyltoluene	105		92		70-130	13		30
1,2,4,5-Tetramethylbenzene	98		89		70-130	10		30
Tetrahydrofuran	102		95		66-130	7		30
Ethyl ether	94		90		67-130	4		30
trans-1,4-Dichloro-2-butene	129		115		70-130	11		30
Methyl cyclohexane	103		88		70-130	16		30
Ethyl-Tert-Butyl-Ether	98		92		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305877

Report Date: 04/19/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600110-1 WG600110-2								
Tertiary-Amyl Methyl Ether	90		85		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	112		112		70-130
Toluene-d8	109		109		70-130
4-Bromofluorobenzene	107		107		70-130
Dibromofluoromethane	98		99		70-130

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305877
Report Date: 04/19/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/14/13 14:41
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 04/12/13 09:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG601281-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	49	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	49	16.
Benzo(k)fluoranthene	ND		ug/kg	49	16.
Chrysene	ND		ug/kg	49	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	49	16.
Dibenzo(a,h)anthracene	ND		ug/kg	49	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		25-120
Phenol-d6	50		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	51		30-120
2,4,6-Tribromophenol	63		0-136
4-Terphenyl-d14	96		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305877

Report Date: 04/19/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG601281-2 WG601281-3								
Bis(2-Ethylhexyl)phthalate	96		92		40-140	4		50
Dimethyl phthalate	76		73		40-140	4		50
Benzo(a)anthracene	89		86		40-140	3		50
Benzo(a)pyrene	93		87		40-140	7		50
Benzo(b)fluoranthene	94		78		40-140	19		50
Benzo(k)fluoranthene	75		84		40-140	11		50
Chrysene	82		78		40-140	5		50
Fluorene	69		63		40-140	9		50
Phenanthrene	78		76		40-140	3		50
Dibenzo(a,h)anthracene	90		83		40-140	8		50
Indeno(1,2,3-cd)Pyrene	93		86		40-140	8		50
2-Chlorophenol	46		31		25-102	39		50
Pentachlorophenol	83		78		17-109	6		50
Phenol	48		34		26-90	34		50
3-Methylphenol/4-Methylphenol	46		38		30-130	19		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305877

Report Date: 04/19/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG601281-2 WG601281-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	61		39		25-120
Phenol-d6	65		44		10-120
Nitrobenzene-d5	68		45		23-120
2-Fluorobiphenyl	67		53		30-120
2,4,6-Tribromophenol	127		118		0-136
4-Terphenyl-d14	106		96		18-120

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305877
Project Number: Not Specified
Report Date: 04/19/13

SAMPLE RESULTS

Lab ID: L1305877-01
Client ID: S004015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 81%

Date Collected: 04/04/13 09:05
Date Received: 04/04/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	10		mg/kg	0.47	0.03	1	04/10/13 12:26	04/11/13 10:58	EPA 3050B	1,6010C	MG
Chromium, Total	35		mg/kg	0.47	0.09	1	04/10/13 12:26	04/11/13 10:58	EPA 3050B	1,6010C	MG
Copper, Total	65		mg/kg	0.47	0.24	1	04/10/13 12:26	04/11/13 10:58	EPA 3050B	1,6010C	MG
Lead, Total	140		mg/kg	2.4	0.14	1	04/10/13 12:26	04/11/13 10:58	EPA 3050B	1,6010C	MG
Mercury, Total	4.6		mg/kg	0.45	0.09	5	04/11/13 10:15	04/11/13 13:16	EPA 7471B	1,7471B	MC
Zinc, Total	120		mg/kg	2.4	0.24	1	04/10/13 12:26	04/11/13 10:58	EPA 3050B	1,6010C	MG

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305877
Project Number: Not Specified
Report Date: 04/19/13

SAMPLE RESULTS

Lab ID: L1305877-02
Client ID: S008015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 84%

Date Collected: 04/04/13 08:50
Date Received: 04/04/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	23		mg/kg	0.46	0.03	1	04/10/13 12:26	04/11/13 11:01	EPA 3050B	1,6010C	MG
Chromium, Total	36		mg/kg	0.46	0.09	1	04/10/13 12:26	04/11/13 11:01	EPA 3050B	1,6010C	MG
Copper, Total	9.4		mg/kg	0.46	0.23	1	04/10/13 12:26	04/11/13 11:01	EPA 3050B	1,6010C	MG
Lead, Total	36		mg/kg	2.3	0.14	1	04/10/13 12:26	04/11/13 11:01	EPA 3050B	1,6010C	MG
Mercury, Total	10		mg/kg	0.97	0.20	10	04/11/13 10:15	04/11/13 13:12	EPA 7471B	1,7471B	MC
Zinc, Total	34		mg/kg	2.3	0.23	1	04/10/13 12:26	04/11/13 11:01	EPA 3050B	1,6010C	MG

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305877

Project Number: Not Specified **Report Date:** 04/19/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG600776-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.20	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Lead, Total	0.13	J	mg/kg	2.0	0.12	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG
Zinc, Total	0.22	J	mg/kg	2.0	0.20	1	04/10/13 12:26	04/11/13 10:02	1,6010C	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG600979-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/11/13 10:15	04/11/13 12:26	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305877

Report Date: 04/19/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG600776-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	94		-		81-119	-		
Barium, Total	96		-		83-118	-		
Beryllium, Total	92		-		83-117	-		
Cadmium, Total	89		-		82-117	-		
Chromium, Total	92		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	96		-		80-120	-		
Nickel, Total	94		-		82-117	-		
Selenium, Total	80		-		80-120	-		
Silver, Total	91		-		66-134	-		
Zinc, Total	91		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG600979-2 SRM Lot Number: 0518-10-02								
Mercury, Total	114		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305877
Report Date: 04/19/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600776-4 QC Sample: L1305865-01 Client ID: MS Sample												
Arsenic, Total	3.6	10.5	13	89		-	-		75-125	-		35
Barium, Total	100	176	250	85		-	-		75-125	-		35
Beryllium, Total	0.48	4.39	4.3	87		-	-		75-125	-		35
Cadmium, Total	0.15J	4.48	36	80		-	-		75-125	-		35
Chromium, Total	24.	17.6	39	85		-	-		75-125	-		35
Copper, Total	49.	22	55	**27**	Q	-	-		75-125	-		35
Lead, Total	50.	44.8	66	**36**	Q	-	-		75-125	-		35
Nickel, Total	18.	43.9	55	84		-	-		75-125	-		35
Selenium, Total	1.3J	10.5	8.9	84		-	-		75-125	-		35
Silver, Total	ND	26.3	28	106		-	-		75-125	-		35
Zinc, Total	120	43.9	120	**0**	Q	-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600979-4 QC Sample: L1305504-01 Client ID: MS Sample												
Mercury, Total	0.17	0.158	0.45	**177**	Q	-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305877
Report Date: 04/19/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600776-3 QC Sample: L1305865-01 Client ID: DUP Sample						
Arsenic, Total	3.6	2.5	mg/kg	**36**	Q	35
Barium, Total	100	110	mg/kg	10		35
Beryllium, Total	0.48	0.40J	mg/kg	NC		35
Cadmium, Total	0.15J	ND	mg/kg	NC		35
Chromium, Total	24.	26	mg/kg	8		35
Copper, Total	49.	36	mg/kg	31		35
Lead, Total	50.	33	mg/kg	**41**	Q	35
Nickel, Total	18.	19	mg/kg	5		35
Selenium, Total	1.3J	0.46J	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Zinc, Total	120	78	mg/kg	**42**	Q	35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600979-3 QC Sample: L1305504-01 Client ID: DUP Sample						
Mercury, Total	0.17	0.12	mg/kg	34		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305877
Report Date: 04/19/13

SAMPLE RESULTS

Lab ID: L1305877-01
Client ID: S004015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/04/13 09:05
Date Received: 04/04/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.1		%	0.100	NA	1	-	04/05/13 15:09	30,2540G	RD

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305877
Report Date: 04/19/13

SAMPLE RESULTS

Lab ID: L1305877-02
Client ID: S008015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/04/13 08:50
Date Received: 04/04/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.5		%	0.100	NA	1	-	04/05/13 15:09	30,2540G	RD

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305877
Report Date: 04/19/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599893-1 QC Sample: L1305855-01 Client ID: DUP Sample						
Solids, Total	16.8	14.7	%	13		20

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305877
Report Date: 04/19/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 04/05/2013 01:43

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305877-01A	Vial MeOH preserved	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1305877-01B	Vial water preserved	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1305877-01C	Vial water preserved	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1305877-01D	Plastic 2oz unpreserved for TS	A	N/A	2.2	Y	Absent	TS(7)
L1305877-01E	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305877-01F	Amber 250ml unpreserved	A	N/A	2.2	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305877-02A	Vial MeOH preserved	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1305877-02B	Vial water preserved	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1305877-02C	Vial water preserved	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1305877-02D	Plastic 2oz unpreserved for TS	A	N/A	2.2	Y	Absent	TS(7)
L1305877-02E	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305877
Report Date: 04/19/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305877-02F	Amber 250ml unpreserved	A	N/A	2.2	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305877
Project Number:	Not Specified	**Report Date:**	04/19/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305877
Project Number:	Not Specified	**Report Date:**	04/19/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305877
Project Number:	Not Specified	**Report Date:**	04/19/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

Serial_No:04191315:12

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL — World Class Chemistry

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/5/13

ALPHA Job #: L1305877

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/11/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Detection limits to meet NYSDEC Part 375 Requirements (Unrestricted)
Find %Moisture of each aliquot and calculate average for use as %Moisture of associated composite sample

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs-See attached list	Hexavalent Chromium-Hold	Cyanide-Hold	Metals-See attached list-Hold	PCBs-Hold	SVOCs-See atached list-Hold							Sample Specific Comments	TOTAL # BOTTLES
05877. 1	S004015	4/4	906	S	SK	☒	☒	☒	☒	☐	☒	☐	☐	☐	☐	☐	☐		
2	S008015	4/4	850	S	SK	☒	☒	☒	☒	☐	☒	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		

Container Type	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/4 1105	Robert Haire	4/4/13 1105
Robert Haire	4/4/13 2030	Kyle Cungreen	4-4-13 2030
Kyle Cungreen	4/5/13 0030	/	4/5/13 0030

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 5-JAN-12)

ANALYTICAL REPORT

Lab Number:	L1305786
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/10/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305786
Report Date: 04/10/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305786-01	N007N008	GLENS FALLS NEW YORK	04/03/13 10:30

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305786
Project Number: Not Specified **Report Date:** 04/10/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305786
Project Number:	Not Specified	**Report Date:**	04/10/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Solids, Total

L1305786-01: The average result from the original samples is reported; the Duplicate was performed with original batch.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 04/10/13

ORGANICS

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305786

Project Number: Not Specified **Report Date:** 04/10/13

SAMPLE RESULTS

Lab ID:	L1305786-01	Date Collected:	04/03/13 10:30
Client ID:	N007N008	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/08/13 12:41
Analytical Date:	04/10/13 14:47		
Analyst:	RC		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	52.	1
Dimethyl phthalate	ND		ug/kg	200	51.	1
Benzo(a)anthracene	ND		ug/kg	120	39.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	40.	1
Benzo(k)fluoranthene	ND		ug/kg	120	38.	1
Chrysene	ND		ug/kg	120	39.	1
Fluorene	ND		ug/kg	200	57.	1
Phenanthrene	ND		ug/kg	120	39.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	39.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	44.	1
2-Chlorophenol	ND		ug/kg	200	60.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	59.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	65.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	114		25-120
Phenol-d6	107		10-120
Nitrobenzene-d5	103		23-120
2-Fluorobiphenyl	112		30-120
2,4,6-Tribromophenol	**158**	Q	0-136
4-Terphenyl-d14	**135**	Q	18-120

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305786
Report Date: 04/10/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/09/13 22:17
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 04/08/13 12:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG600231-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	50	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	50	17.
Benzo(k)fluoranthene	ND		ug/kg	50	16.
Chrysene	ND		ug/kg	50	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	50	16.
Dibenzo(a,h)anthracene	ND		ug/kg	50	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	50		30-120
2,4,6-Tribromophenol	52		0-136
4-Terphenyl-d14	57		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305786

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG600231-2 WG600231-3								
Acenaphthene	68		75		31-137	10		50
1,2,4-Trichlorobenzene	52		67		38-107	25		50
Hexachlorobenzene	68		72		40-140	6		50
Bis(2-chloroethyl)ether	60		77		40-140	25		50
2-Chloronaphthalene	62		73		40-140	16		50
1,2-Dichlorobenzene	55		73		40-140	28		50
1,3-Dichlorobenzene	54		70		40-140	26		50
1,4-Dichlorobenzene	55		70		28-104	24		50
3,3'-Dichlorobenzidine	57		53		40-140	7		50
2,4-Dinitrotoluene	76		78		28-89	3		50
2,6-Dinitrotoluene	69		73		40-140	6		50
Fluoranthene	72		76		40-140	5		50
4-Chlorophenyl phenyl ether	68		72		40-140	6		50
4-Bromophenyl phenyl ether	68		69		40-140	1		50
Bis(2-chloroisopropyl)ether	68		85		40-140	22		50
Bis(2-chloroethoxy)methane	67		82		40-117	20		50
Hexachlorobutadiene	54		70		40-140	26		50
Hexachlorocyclopentadiene	47		62		40-140	28		50
Hexachloroethane	62		79		40-140	24		50
Isophorone	66		79		40-140	18		50
Naphthalene	57		72		40-140	23		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305786

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG600231-2 WG600231-3								
Nitrobenzene	61		78		40-140	24		50
NitrosoDiPhenylAmine(NDPA)/DPA	72		75			4		50
n-Nitrosodi-n-propylamine	69		85		32-121	21		50
Bis(2-Ethylhexyl)phthalate	93		97		40-140	4		50
Butyl benzyl phthalate	80		83		40-140	4		50
Di-n-butylphthalate	83		87		40-140	5		50
Di-n-octylphthalate	92		95		40-140	3		50
Diethyl phthalate	80		83		40-140	4		50
Dimethyl phthalate	76		79		40-140	4		50
Benzo(a)anthracene	77		80		40-140	4		50
Benzo(a)pyrene	78		81		40-140	4		50
Benzo(b)fluoranthene	74		78		40-140	5		50
Benzo(k)fluoranthene	79		82		40-140	4		50
Chrysene	79		82		40-140	4		50
Acenaphthylene	63		70		40-140	11		50
Anthracene	77		81		40-140	5		50
Benzo(ghi)perylene	78		82		40-140	5		50
Fluorene	71		76		40-140	7		50
Phenanthrene	75		80		40-140	6		50
Dibenzo(a,h)anthracene	78		82		40-140	5		50
Indeno(1,2,3-cd)Pyrene	74		78		40-140	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305786

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG600231-2 WG600231-3								
Pyrene	72		74		35-142	3		50
Biphenyl	69		79			14		50
4-Chloroaniline	46		59		40-140	25		50
2-Nitroaniline	73		77		47-134	5		50
3-Nitroaniline	46		41		26-129	11		50
4-Nitroaniline	77		78		41-125	1		50
Dibenzofuran	68		75		40-140	10		50
2-Methylnaphthalene	55		65		40-140	17		50
1,2,4,5-Tetrachlorobenzene	66		79		40-117	18		50
Acetophenone	69		86		14-144	22		50
2,4,6-Trichlorophenol	66		71		30-130	7		50
P-Chloro-M-Cresol	77		84		26-103	9		50
2-Chlorophenol	64		82		25-102	25		50
2,4-Dichlorophenol	66		79		30-130	18		50
2,4-Dimethylphenol	70		84		30-130	18		50
2-Nitrophenol	63		77		30-130	20		50
4-Nitrophenol	51		45		11-114	13		50
2,4-Dinitrophenol	32		37		4-130	14		50
4,6-Dinitro-o-cresol	70		73		10-130	4		50
Pentachlorophenol	65		69		17-109	6		50
Phenol	69		86		26-90	22		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305786

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG600231-2 WG600231-3								
2-Methylphenol	68		85		30-130.	22		50
3-Methylphenol/4-Methylphenol	70		87		30-130	22		50
2,4,5-Trichlorophenol	70		73		30-130	4		50
Benzoic Acid	0		0			NC		50
Benzyl Alcohol	71		90		40-140	24		50
Carbazole	75		80		54-128	6		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	66		80		25-120
Phenol-d6	69		83		10-120
Nitrobenzene-d5	64		77		23-120
2-Fluorobiphenyl	58		65		30-120
2,4,6-Tribromophenol	71		73		0-136
4-Terphenyl-d14	59		59		18-120

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305786
Project Number: Not Specified
Report Date: 04/10/13

SAMPLE RESULTS

Lab ID: L1305786-01
Client ID: N007N008
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 83%

Date Collected: 04/03/13 10:30
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.9		mg/kg	0.46	0.14	2	04/09/13 10:23	04/10/13 15:34	EPA 3050B	1,6010C	MS
Barium, Total	78		mg/kg	0.46	0.14	2	04/09/13 10:23	04/10/13 15:34	EPA 3050B	1,6010C	MS
Beryllium, Total	0.36		mg/kg	0.23	0.02	2	04/09/13 10:23	04/10/13 15:34	EPA 3050B	1,6010C	MS
Cadmium, Total	ND		mg/kg	0.46	0.03	2	04/09/13 10:23	04/10/13 15:34	EPA 3050B	1,6010C	MS
Chromium, Total	30		mg/kg	0.46	0.09	2	04/09/13 10:23	04/10/13 15:34	EPA 3050B	1,6010C	MS
Copper, Total	12		mg/kg	0.46	0.23	2	04/09/13 10:23	04/10/13 15:34	EPA 3050B	1,6010C	MS
Lead, Total	31		mg/kg	2.3	0.14	2	04/09/13 10:23	04/10/13 15:34	EPA 3050B	1,6010C	MS
Mercury, Total	ND		mg/kg	0.09	0.02	2	04/10/13 11:33	04/10/13 16:04	EPA 7471B	1,7471B	MC
Nickel, Total	6.7		mg/kg	1.1	0.18	2	04/09/13 10:23	04/10/13 15:34	EPA 3050B	1,6010C	MS
Selenium, Total	0.75	J	mg/kg	0.91	0.14	2	04/09/13 10:23	04/10/13 15:34	EPA 3050B	1,6010C	MS
Silver, Total	0.16	J	mg/kg	0.46	0.09	2	04/09/13 10:23	04/10/13 15:34	EPA 3050B	1,6010C	MS
Zinc, Total	47		mg/kg	2.3	0.23	2	04/09/13 10:23	04/10/13 15:34	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305786

Project Number: Not Specified **Report Date:** 04/10/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG600448-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Barium, Total	ND		mg/kg	0.40	0.12	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Copper, Total	ND		mg/kg	0.40	0.20	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Lead, Total	ND		mg/kg	2.0	0.12	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Silver, Total	ND		mg/kg	0.40	0.08	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Zinc, Total	ND		mg/kg	2.0	0.20	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG600660-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/10/13 11:33	04/10/13 15:12	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305786

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG600448-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	104		-		83-118	-		
Beryllium, Total	104		-		83-117	-		
Cadmium, Total	98		-		82-117	-		
Chromium, Total	101		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	103		-		80-120	-		
Nickel, Total	104		-		82-117	-		
Selenium, Total	106		-		80-120	-		
Silver, Total	100		-		66-134	-		
Zinc, Total	106		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG600660-2 SRM Lot Number: 0518-10-02								
Mercury, Total	111		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305786
Report Date: 04/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600448-4 QC Sample: L1305778-01 Client ID: MS Sample												
Arsenic, Total	0.44J	11.5	12	104		-	-		75-125	-		35
Barium, Total	16.	191	200	96		-	-		75-125	-		35
Beryllium, Total	0.16J	4.78	5.0	104		-	-		75-125	-		35
Cadmium, Total	2.9	4.88	46	88		-	-		75-125	-		35
Chromium, Total	16.	19.1	32	84		-	-		75-125	-		35
Copper, Total	8.7	23.9	31	93		-	-		75-125	-		35
Lead, Total	7.3	48.8	53	94		-	-		75-125	-		35
Nickel, Total	12.	47.8	56	92		-	-		75-125	-		35
Selenium, Total	ND	11.5	12	104		-	-		75-125	-		35
Silver, Total	ND	28.7	30	104		-	-		75-125	-		35
Zinc, Total	31.	47.8	60	**61**	Q	-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600660-4 QC Sample: L1305746-01 Client ID: MS Sample												
Mercury, Total	ND	0.17	0.20	118		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305786
Report Date: 04/10/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600448-3 QC Sample: L1305778-01 Client ID: DUP Sample						
Arsenic, Total	0.44J	0.41J	mg/kg	NC		35
Barium, Total	16.	12	mg/kg	29		35
Beryllium, Total	0.16J	0.10J	mg/kg	NC		35
Cadmium, Total	2.9	0.89	mg/kg	**106**	Q	35
Chromium, Total	16.	13	mg/kg	21		35
Copper, Total	8.7	6.6	mg/kg	27		35
Lead, Total	7.3	3.8	mg/kg	**63**	Q	35
Nickel, Total	12.	9.0	mg/kg	29		35
Selenium, Total	ND	0.36J	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Zinc, Total	31.	14	mg/kg	**76**	Q	35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600660-3 QC Sample: L1305746-01 Client ID: DUP Sample						
Mercury, Total	ND	0.02J	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305786
Report Date: 04/10/13

SAMPLE RESULTS

Lab ID: L1305786-01
Client ID: N007N008
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/03/13 10:30
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.9		%	0.100	NA	1	-	04/04/13 19:26	30,2540G	RD
Cyanide, Total	ND		mg/kg	1.1	0.27	2	04/09/13 12:55	04/10/13 14:12	1,9010C/9012A	JO

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305786

Project Number: Not Specified **Report Date:** 04/10/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG600524-1										
Cyanide, Total	ND		mg/kg	0.85	0.20	1	04/09/13 12:55	04/10/13 14:04	1,9010C/9012A	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305786

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG600524-4 WG600524-5								
Cyanide, Total	111		109		80-120	2		35

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305786
Report Date: 04/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600524-3 WG600524-2 QC Sample: L1305978-01 Client ID: MS Sample												
Cyanide, Total	ND	10	11	100		11	110		65-135	0		35

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305786
Project Number:	Not Specified	**Report Date:**	04/10/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305786
Project Number:	Not Specified	**Report Date:**	04/10/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305786
Project Number:	Not Specified	**Report Date:**	04/10/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
World Class Chemistry

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FAX: 508-822-3288

Date Rec'd in Lab: 4/4/13

ALPHA Job #: L1305786

Client Information

Client: AMO Environmental Decisions
Address: 4327 Pt Pleasant Pk (PO Box 410)
Danboro, PA 18916
Phone: 215-230-8282
Fax: 215-230-8283
Email: pmalmquist@amoed.com
☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: BASF Glens Falls New York
Project Location: Glens Falls New York
Project #:
Project Manager: P. Malmquist
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info
PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:
Extract/Digest Sample N007015 and Sample N0080115.
Composite and analyze Extract/Digestate as Sample inidicated below.
Detection limits to meet NYSDEC Part 375 Requirements (0.5 x Unrestricted)
Use average of associated aliquot %Moisture for result calculations

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cyanide	Metals-See attached list (no Cr6+)	PCBs	SVOCs-See attached list	Sample Specific Comments	TOTAL # BOTTLES
05786.1	N007 N008	4/3	1030	S	SL	☒	☒	☐	☒		

Container Type	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/3 1600	Kyle Cunningham	4/3/13 1600
Kyle Cunningham		[signature]	4/3/13 2304
[signature]	4/4/13 0050	[signature]	4/4/13 0050

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ)
(rev. 5-JAN-12)

JOB: L1305785 REPORT STYLE: Data Usability Report
001: Cover & Signature Pages - OK
006: Narrative Page(s) - OK
010: Cover Page - OK
011: Volatiles Sample Results - OK
012: Volatiles Blank Report - OK
013: Volatiles LCS Report - OK
018: Cover Page - OK
020: Semivolatiles Blank Report - OK
021: Semivolatiles LCS Report - OK
100: Metals Sample Results - OK
101: Metals Blank Report - OK
102: Metals LCS Report - OK
104: Metals Matrix Spike Report - OK
105: Metals Duplicate Report - OK
118: Cover Page - OK
120: Wet Chemistry Sample Results - OK
125: Wet Chemistry Duplicate Report - OK
510: Container Report - OK
520: Glossary - OK
540: Reference Report - OK

No results found for sample L1305785-01 for product AG-TI
No results found for sample L1305785-01 for product AS-TI
No results found for sample L1305785-01 for product BA-TI
No results found for sample L1305785-01 for product BE-TI
No results found for sample L1305785-01 for product CD-TI
No results found for sample L1305785-01 for product CU-TI
No results found for sample L1305785-01 for product HG-T
No results found for sample L1305785-01 for product NI-TI
No results found for sample L1305785-01 for product NYTCL-8270
No results found for sample L1305785-01 for product PB-TI
No results found for sample L1305785-01 for product SE-TI
No results found for sample L1305785-01 for product TCN-9010
No results found for sample L1305785-01 for product ZN-TI
No results found for sample L1305785-02 for product AG-TI
No results found for sample L1305785-02 for product AS-TI
No results found for sample L1305785-02 for product BA-TI
No results found for sample L1305785-02 for product BE-TI
No results found for sample L1305785-02 for product CD-TI
No results found for sample L1305785-02 for product CU-TI
No results found for sample L1305785-02 for product HG-T
No results found for sample L1305785-02 for product NI-TI
No results found for sample L1305785-02 for product NYTCL-8270

No results found for sample L1305785-02 for product PB-TI
No results found for sample L1305785-02 for product SE-TI
No results found for sample L1305785-02 for product TCN-9010
No results found for sample L1305785-02 for product ZN-TI

ANALYTICAL REPORT

Lab Number:	L1305785
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/18/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305785
Report Date: 04/18/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305785-01	N007015	GLENS FALLS NEW YORK	04/03/13 10:30
L1305785-02	N008015	GLENS FALLS NEW YORK	04/03/13 10:15

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305785
Project Number:	Not Specified	**Report Date:**	04/18/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305785
Project Number:	Not Specified	**Report Date:**	04/18/13

Case Narrative (continued)

Report Submission

This partial report replaces the report issued on April 11, 2013. At the client's request, the samples were analyzed for Total Chromium. A final report will be issued as soon as the results of all requested analyses become available.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 04/18/13

ORGANICS

VOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305785

Project Number: Not Specified **Report Date:** 04/18/13

SAMPLE RESULTS

Lab ID:	L1305785-01	Date Collected:	04/03/13 10:30
Client ID:	N007015	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/07/13 15:39		
Analyst:	BN		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	0.23	J	ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.1	0.79	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	106		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305785

Project Number: Not Specified **Report Date:** 04/18/13

SAMPLE RESULTS

Lab ID:	L1305785-02	Date Collected:	04/03/13 10:15
Client ID:	N008015	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/07/13 16:07		
Analyst:	BN		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.4	0.36	1
Carbon tetrachloride	ND		ug/kg	0.96	0.20	1
Chlorobenzene	ND		ug/kg	0.96	0.34	1
1,2-Dichloroethane	ND		ug/kg	0.96	0.14	1
Benzene	ND		ug/kg	0.96	0.11	1
Toluene	ND		ug/kg	1.4	0.11	1
Ethylbenzene	ND		ug/kg	0.96	0.14	1
Chloromethane	ND		ug/kg	4.8	0.76	1
Vinyl chloride	ND		ug/kg	1.9	0.14	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.96	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	4.8	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	4.8	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	4.8	0.23	1
cis-1,2-Dichloroethene	ND		ug/kg	0.96	0.14	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	104		70-130

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305785
Report Date: 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/07/13 09:36
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG600105-3					
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.34	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Vinyl chloride	ND		ug/kg	2.0	0.14
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305785

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600105-1 WG600105-2								
Methylene chloride	99		92		70-130	7		30
1,1-Dichloroethane	96		90		70-130	6		30
Chloroform	90		84		70-130	7		30
Carbon tetrachloride	94		85		70-130	10		30
1,2-Dichloropropane	94		88		70-130	7		30
Dibromochloromethane	91		87		70-130	4		30
2-Chloroethylvinyl ether	93		88			6		30
1,1,2-Trichloroethane	93		90		70-130	3		30
Tetrachloroethene	100		92		70-130	8		30
Chlorobenzene	94		89		70-130	5		30
Trichlorofluoromethane	92		82		70-139	11		30
1,2-Dichloroethane	79		77		70-130	3		30
1,1,1-Trichloroethane	91		83		70-130	9		30
Bromodichloromethane	86		83		70-130	4		30
trans-1,3-Dichloropropene	90		87		70-130	3		30
cis-1,3-Dichloropropene	89		86		70-130	3		30
1,1-Dichloropropene	96		88		70-130	9		30
Bromoform	86		85		70-130	1		30
1,1,2,2-Tetrachloroethane	91		91		70-130	0		30
Benzene	95		89		70-130	7		30
Toluene	96		89		70-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305785

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600105-1 WG600105-2								
Ethylbenzene	92		86		70-130	7		30
Chloromethane	128		114		52-130	12		30
Bromomethane	100		85		57-147	16		30
Vinyl chloride	123		109		67-130	12		30
Chloroethane	85		70		50-151	19		30
1,1-Dichloroethene	104		96		65-135	8		30
trans-1,2-Dichloroethene	98		90		70-130	9		30
Trichloroethene	94		87		70-130	8		30
1,2-Dichlorobenzene	93		89		70-130	4		30
1,3-Dichlorobenzene	95		90		70-130	5		30
1,4-Dichlorobenzene	94		90		70-130	4		30
Methyl tert butyl ether	85		84		66-130	1		30
p/m-Xylene	96		89		70-130	8		30
o-Xylene	93		88		70-130	6		30
cis-1,2-Dichloroethene	93		88		70-130	6		30
Dibromomethane	85		82		70-130	4		30
Styrene	90		85		70-130	6		30
Dichlorodifluoromethane	129		114		30-146	12		30
Acetone	104		89		54-140	16		30
Carbon disulfide	106		96		59-130	10		30
2-Butanone	90		83		70-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305785

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600105-1 WG600105-2								
Vinyl acetate	82		82		70-130	0		30
4-Methyl-2-pentanone	84		83		70-130	1		30
1,2,3-Trichloropropane	88		87		68-130	1		30
2-Hexanone	81		77		70-130	5		30
Bromochloromethane	95		90		70-130	5		30
2,2-Dichloropropane	91		83		70-130	9		30
1,2-Dibromoethane	89		88		70-130	1		30
1,3-Dichloropropane	91		88		69-130	3		30
1,1,1,2-Tetrachloroethane	91		87		70-130	4		30
Bromobenzene	93		89		70-130	4		30
n-Butylbenzene	96		88		70-130	9		30
sec-Butylbenzene	96		88		70-130	9		30
tert-Butylbenzene	95		88		70-130	8		30
o-Chlorotoluene	93		88		70-130	6		30
p-Chlorotoluene	93		87		70-130	7		30
1,2-Dibromo-3-chloropropane	80		77		68-130	4		30
Hexachlorobutadiene	104		96		67-130	8		30
Isopropylbenzene	93		87		70-130	7		30
p-Isopropyltoluene	94		88		70-130	7		30
Naphthalene	92		90		70-130	2		30
Acrylonitrile	97		97		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305785

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600105-1 WG600105-2								
Isopropyl Ether	92		89		66-130	3		30
tert-Butyl Alcohol	84		85		70-130	1		30
n-Propylbenzene	95		88		70-130	8		30
1,2,3-Trichlorobenzene	98		94		70-130	4		30
1,2,4-Trichlorobenzene	100		94		70-130	6		30
1,3,5-Trimethylbenzene	94		88		70-130	7		30
1,2,4-Trimethylbenzene	94		88		70-130	7		30
Methyl Acetate	91		91		70-130	0		30
Ethyl Acetate	87		86		70-130	1		30
Acrolein	81		81		70-130	0		30
Cyclohexane	111		102		70-130	8		30
1,4-Dioxane	101		102		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	112		100		70-130	11		30
1,4-Diethylbenzene	96		90		70-130	6		30
4-Ethyltoluene	96		90		70-130	6		30
1,2,4,5-Tetramethylbenzene	93		88		70-130	6		30
Tetrahydrofuran	91		91		66-130	0		30
Ethyl ether	80		77		67-130	4		30
trans-1,4-Dichloro-2-butene	82		83		70-130	1		30
Methyl cyclohexane	105		96		70-130	9		30
Ethyl-Tert-Butyl-Ether	87		84		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305785

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600105-1 WG600105-2								
Tertiary-Amyl Methyl Ether	84		82		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	86		88		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	94		95		70-130
Dibromofluoromethane	100		99		70-130

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305785
Report Date: 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/09/13 22:17
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 04/08/13 12:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG600231-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	50	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	50	17.
Benzo(k)fluoranthene	ND		ug/kg	50	16.
Chrysene	ND		ug/kg	50	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	50	16.
Dibenzo(a,h)anthracene	ND		ug/kg	50	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	50		30-120
2,4,6-Tribromophenol	52		0-136
4-Terphenyl-d14	57		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305785

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG600231-2 WG600231-3								
Acenaphthene	68		75		31-137	10		50
1,2,4-Trichlorobenzene	52		67		38-107	25		50
Hexachlorobenzene	68		72		40-140	6		50
Bis(2-chloroethyl)ether	60		77		40-140	25		50
2-Chloronaphthalene	62		73		40-140	16		50
1,2-Dichlorobenzene	55		73		40-140	28		50
1,3-Dichlorobenzene	54		70		40-140	26		50
1,4-Dichlorobenzene	55		70		28-104	24		50
3,3'-Dichlorobenzidine	57		53		40-140	7		50
2,4-Dinitrotoluene	76		78		28-89	3		50
2,6-Dinitrotoluene	69		73		40-140	6		50
Fluoranthene	72		76		40-140	5		50
4-Chlorophenyl phenyl ether	68		72		40-140	6		50
4-Bromophenyl phenyl ether	68		69		40-140	1		50
Bis(2-chloroisopropyl)ether	68		85		40-140	22		50
Bis(2-chloroethoxy)methane	67		82		40-117	20		50
Hexachlorobutadiene	54		70		40-140	26		50
Hexachlorocyclopentadiene	47		62		40-140	28		50
Hexachloroethane	62		79		40-140	24		50
Isophorone	66		79		40-140	18		50
Naphthalene	57		72		40-140	23		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305785
Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG600231-2 WG600231-3								
Nitrobenzene	61		78		40-140	24		50
NitrosoDiPhenylAmine(NDPA)/DPA	72		75			4		50
n-Nitrosodi-n-propylamine	69		85		32-121	21		50
Bis(2-Ethylhexyl)phthalate	93		97		40-140	4		50
Butyl benzyl phthalate	80		83		40-140	4		50
Di-n-butylphthalate	83		87		40-140	5		50
Di-n-octylphthalate	92		95		40-140	3		50
Diethyl phthalate	80		83		40-140	4		50
Dimethyl phthalate	76		79		40-140	4		50
Benzo(a)anthracene	77		80		40-140	4		50
Benzo(a)pyrene	78		81		40-140	4		50
Benzo(b)fluoranthene	74		78		40-140	5		50
Benzo(k)fluoranthene	79		82		40-140	4		50
Chrysene	79		82		40-140	4		50
Acenaphthylene	63		70		40-140	11		50
Anthracene	77		81		40-140	5		50
Benzo(ghi)perylene	78		82		40-140	5		50
Fluorene	71		76		40-140	7		50
Phenanthrene	75		80		40-140	6		50
Dibenzo(a,h)anthracene	78		82		40-140	5		50
Indeno(1,2,3-cd)Pyrene	74		78		40-140	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305785

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG600231-2 WG600231-3								
Pyrene	72		74		35-142	3		50
Biphenyl	69		79			14		50
4-Chloroaniline	46		59		40-140	25		50
2-Nitroaniline	73		77		47-134	5		50
3-Nitroaniline	46		41		26-129	11		50
4-Nitroaniline	77		78		41-125	1		50
Dibenzofuran	68		75		40-140	10		50
2-Methylnaphthalene	55		65		40-140	17		50
1,2,4,5-Tetrachlorobenzene	66		79		40-117	18		50
Acetophenone	69		86		14-144	22		50
2,4,6-Trichlorophenol	66		71		30-130	7		50
P-Chloro-M-Cresol	77		84		26-103	9		50
2-Chlorophenol	64		82		25-102	25		50
2,4-Dichlorophenol	66		79		30-130	18		50
2,4-Dimethylphenol	70		84		30-130	18		50
2-Nitrophenol	63		77		30-130	20		50
4-Nitrophenol	51		45		11-114	13		50
2,4-Dinitrophenol	32		37		4-130	14		50
4,6-Dinitro-o-cresol	70		73		10-130	4		50
Pentachlorophenol	65		69		17-109	6		50
Phenol	69		86		26-90	22		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305785

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG600231-2 WG600231-3								
2-Methylphenol	68		85		30-130.	22		50
3-Methylphenol/4-Methylphenol	70		87		30-130	22		50
2,4,5-Trichlorophenol	70		73		30-130	4		50
Benzoic Acid	0		0			NC		50
Benzyl Alcohol	71		90		40-140	24		50
Carbazole	75		80		54-128	6		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	66		80		25-120
Phenol-d6	69		83		10-120
Nitrobenzene-d5	64		77		23-120
2-Fluorobiphenyl	58		65		30-120
2,4,6-Tribromophenol	71		73		0-136
4-Terphenyl-d14	59		59		18-120

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305785
Project Number: Not Specified
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305785-01
Client ID: N007015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 82%

Date Collected: 04/03/13 10:30
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	17		mg/kg	0.46	0.09	1	04/09/13 10:23	04/09/13 22:52	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305785
Project Number: Not Specified
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305785-02
Client ID: N008015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 84%

Date Collected: 04/03/13 10:15
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	44		mg/kg	0.46	0.09	1	04/09/13 10:23	04/09/13 22:55	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305785

Project Number: Not Specified **Report Date:** 04/18/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG600448-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Barium, Total	ND		mg/kg	0.40	0.12	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Copper, Total	ND		mg/kg	0.40	0.20	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Lead, Total	ND		mg/kg	2.0	0.12	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Silver, Total	ND		mg/kg	0.40	0.08	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Zinc, Total	ND		mg/kg	2.0	0.20	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG600660-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/10/13 11:33	04/10/13 15:12	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305785

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG600448-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	104		-		83-118	-		
Beryllium, Total	104		-		83-117	-		
Cadmium, Total	98		-		82-117	-		
Chromium, Total	101		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	103		-		80-120	-		
Nickel, Total	104		-		82-117	-		
Selenium, Total	106		-		80-120	-		
Silver, Total	100		-		66-134	-		
Zinc, Total	106		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG600660-2 SRM Lot Number: 0518-10-02								
Mercury, Total	111		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305785
Report Date: 04/18/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600448-4 QC Sample: L1305778-01 Client ID: MS Sample												
Arsenic, Total	0.44J	11.5	12	104		-	-		75-125	-		35
Barium, Total	16.	191	200	96		-	-		75-125	-		35
Beryllium, Total	0.16J	4.78	5.0	104		-	-		75-125	-		35
Cadmium, Total	2.9	4.88	46	88		-	-		75-125	-		35
Chromium, Total	16.	19.1	32	84		-	-		75-125	-		35
Copper, Total	8.7	23.9	31	93		-	-		75-125	-		35
Lead, Total	7.3	48.8	53	94		-	-		75-125	-		35
Nickel, Total	12.	47.8	56	92		-	-		75-125	-		35
Selenium, Total	ND	11.5	12	104		-	-		75-125	-		35
Silver, Total	ND	28.7	30	104		-	-		75-125	-		35
Zinc, Total	31.	47.8	60	**61**	Q	-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600660-4 QC Sample: L1305746-01 Client ID: MS Sample												
Mercury, Total	ND	0.17	0.20	118		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305785
Report Date: 04/18/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600448-3 QC Sample: L1305778-01 Client ID: DUP Sample						
Cadmium, Total	2.9	0.89	mg/kg	**106**	Q	35
Chromium, Total	16.	13	mg/kg	21		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600660-3 QC Sample: L1305746-01 Client ID: DUP Sample						
Mercury, Total	ND	0.02J	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305785
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305785-01
Client ID: N007015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/03/13 10:30
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.2		%	0.100	NA	1	-	04/04/13 19:26	30,2540G	RD

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305785
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305785-02
Client ID: N008015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/03/13 10:15
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.5		%	0.100	NA	1	-	04/04/13 19:26	30,2540G	RD

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305785
Report Date: 04/18/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599644-1 QC Sample: L1305687-01 Client ID: DUP Sample						
Solids, Total	84.5	83.8	%	1		20

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305785
Report Date: 04/18/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 04/04/2013 14:06

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305785-01A	Vial MeOH preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305785-01B	Vial water preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305785-01C	Vial water preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305785-01D	Amber 100ml unpreserved	A	N/A	3.5	Y	Absent	TS(7)
L1305785-01E	Amber 120ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305785-01F	Amber 250ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305785-02A	Vial MeOH preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305785-02B	Vial water preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305785-02C	Vial water preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305785-02D	Amber 100ml unpreserved	A	N/A	3.5	Y	Absent	TS(7)
L1305785-02E	Amber 120ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305785
Report Date: 04/18/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305785-02F	Amber 250ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305785
Project Number:	Not Specified	**Report Date:**	04/18/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305785
Project Number:	Not Specified	**Report Date:**	04/18/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305785
Project Number:	Not Specified	**Report Date:**	04/18/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
World Class Chemistry

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab: 4/4/13

ALPHA Job #: L1305785

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Detection limits to meet NYSDEC Part 375 Requirements (Unrestricted)
Find %Moisture of each aliquot and calculate average for use as %Moisture of associated composite sample

ANALYSIS

SAMPLE HANDLING

Filtration
☐ Done
☐ Not Needed
☐ Lab to do

Preservation
☒ Lab to do

(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs-See attached list	Hexavalent Chromium-Hold	Cyanide-Hold	Metals-See attached list-Hold	PCBs-Hold	SVOCs-See atached list-Hold							Sample Specific Comments	TOTAL # BOTTLES
05785.1	N007015	4/3	1030	S	[initials]	☒	☒	☒	☒	☐	☒	☐	☐	☐	☐	☐	☐		
.1	N008015	4/3	1015	S	[initials]	☒	☒	☒	☒	☐	☒	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
					Container Type	-	-	-	-	-	-	-	-	-	-	-	-		
					Preservative	-	-	-	-	-	-	-	-	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/3 1600	Kyle Lindeman	4/3/13 1600
Kyle Langhorne		[signature]	4/3/13 2204
[signature]	4/4/13 0050	[signature]	4/4/13 0050

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ)
(rev. 5-JAN-12)

ANALYTICAL REPORT

Lab Number:	L1305784
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/10/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305784
Report Date: 04/10/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305784-01	N004N009	GLENS FALLS NEW YORK	04/03/13 09:40

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305784
Project Number: Not Specified **Report Date:** 04/10/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305784
Project Number:	Not Specified	**Report Date:**	04/10/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Solids, Total

L1305784-01: The average result from the original samples is reported; the Duplicate was performed with original batch.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 04/10/13

ORGANICS

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305784

Project Number: Not Specified **Report Date:** 04/10/13

SAMPLE RESULTS

Lab ID:	L1305784-01	Date Collected:	04/03/13 09:40
Client ID:	N004N009	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/08/13 12:41
Analytical Date:	04/10/13 14:20		
Analyst:	RC		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	48.	1
Dimethyl phthalate	ND		ug/kg	180	47.	1
Benzo(a)anthracene	60	J	ug/kg	110	36.	1
Benzo(a)pyrene	55	J	ug/kg	150	45.	1
Benzo(b)fluoranthene	67	J	ug/kg	110	37.	1
Benzo(k)fluoranthene	ND		ug/kg	110	35.	1
Chrysene	59	J	ug/kg	110	36.	1
Fluorene	ND		ug/kg	180	53.	1
Phenanthrene	67	J	ug/kg	110	36.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	36.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	41.	1
2-Chlorophenol	ND		ug/kg	180	56.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	55.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	60.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	105		25-120
Phenol-d6	101		10-120
Nitrobenzene-d5	102		23-120
2-Fluorobiphenyl	114		30-120
2,4,6-Tribromophenol	**161**	Q	0-136
4-Terphenyl-d14	**137**	Q	18-120

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305784
Report Date: 04/10/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/09/13 22:17
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 04/08/13 12:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG600231-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	50	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	50	17.
Benzo(k)fluoranthene	ND		ug/kg	50	16.
Chrysene	ND		ug/kg	50	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	50	16.
Dibenzo(a,h)anthracene	ND		ug/kg	50	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	50		30-120
2,4,6-Tribromophenol	52		0-136
4-Terphenyl-d14	57		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305784

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG600231-2 WG600231-3								
Acenaphthene	68		75		31-137	10		50
1,2,4-Trichlorobenzene	52		67		38-107	25		50
Hexachlorobenzene	68		72		40-140	6		50
Bis(2-chloroethyl)ether	60		77		40-140	25		50
2-Chloronaphthalene	62		73		40-140	16		50
1,2-Dichlorobenzene	55		73		40-140	28		50
1,3-Dichlorobenzene	54		70		40-140	26		50
1,4-Dichlorobenzene	55		70		28-104	24		50
3,3'-Dichlorobenzidine	57		53		40-140	7		50
2,4-Dinitrotoluene	76		78		28-89	3		50
2,6-Dinitrotoluene	69		73		40-140	6		50
Fluoranthene	72		76		40-140	5		50
4-Chlorophenyl phenyl ether	68		72		40-140	6		50
4-Bromophenyl phenyl ether	68		69		40-140	1		50
Bis(2-chloroisopropyl)ether	68		85		40-140	22		50
Bis(2-chloroethoxy)methane	67		82		40-117	20		50
Hexachlorobutadiene	54		70		40-140	26		50
Hexachlorocyclopentadiene	47		62		40-140	28		50
Hexachloroethane	62		79		40-140	24		50
Isophorone	66		79		40-140	18		50
Naphthalene	57		72		40-140	23		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305784
Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG600231-2 WG600231-3								
Nitrobenzene	61		78		40-140	24		50
NitrosoDiPhenylAmine(NDPA)/DPA	72		75			4		50
n-Nitrosodi-n-propylamine	69		85		32-121	21		50
Bis(2-Ethylhexyl)phthalate	93		97		40-140	4		50
Butyl benzyl phthalate	80		83		40-140	4		50
Di-n-butylphthalate	83		87		40-140	5		50
Di-n-octylphthalate	92		95		40-140	3		50
Diethyl phthalate	80		83		40-140	4		50
Dimethyl phthalate	76		79		40-140	4		50
Benzo(a)anthracene	77		80		40-140	4		50
Benzo(a)pyrene	78		81		40-140	4		50
Benzo(b)fluoranthene	74		78		40-140	5		50
Benzo(k)fluoranthene	79		82		40-140	4		50
Chrysene	79		82		40-140	4		50
Acenaphthylene	63		70		40-140	11		50
Anthracene	77		81		40-140	5		50
Benzo(ghi)perylene	78		82		40-140	5		50
Fluorene	71		76		40-140	7		50
Phenanthrene	75		80		40-140	6		50
Dibenzo(a,h)anthracene	78		82		40-140	5		50
Indeno(1,2,3-cd)Pyrene	74		78		40-140	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305784

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG600231-2 WG600231-3								
Pyrene	72		74		35-142	3		50
Biphenyl	69		79			14		50
4-Chloroaniline	46		59		40-140	25		50
2-Nitroaniline	73		77		47-134	5		50
3-Nitroaniline	46		41		26-129	11		50
4-Nitroaniline	77		78		41-125	1		50
Dibenzofuran	68		75		40-140	10		50
2-Methylnaphthalene	55		65		40-140	17		50
1,2,4,5-Tetrachlorobenzene	66		79		40-117	18		50
Acetophenone	69		86		14-144	22		50
2,4,6-Trichlorophenol	66		71		30-130	7		50
P-Chloro-M-Cresol	77		84		26-103	9		50
2-Chlorophenol	64		82		25-102	25		50
2,4-Dichlorophenol	66		79		30-130	18		50
2,4-Dimethylphenol	70		84		30-130	18		50
2-Nitrophenol	63		77		30-130	20		50
4-Nitrophenol	51		45		11-114	13		50
2,4-Dinitrophenol	32		37		4-130	14		50
4,6-Dinitro-o-cresol	70		73		10-130	4		50
Pentachlorophenol	65		69		17-109	6		50
Phenol	69		86		26-90	22		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305784

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG600231-2 WG600231-3								
2-Methylphenol	68		85		30-130.	22		50
3-Methylphenol/4-Methylphenol	70		87		30-130	22		50
2,4,5-Trichlorophenol	70		73		30-130	4		50
Benzoic Acid	0		0			NC		50
Benzyl Alcohol	71		90		40-140	24		50
Carbazole	75		80		54-128	6		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	66		80		25-120
Phenol-d6	69		83		10-120
Nitrobenzene-d5	64		77		23-120
2-Fluorobiphenyl	58		65		30-120
2,4,6-Tribromophenol	71		73		0-136
4-Terphenyl-d14	59		59		18-120

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305784
Project Number: Not Specified
Report Date: 04/10/13

SAMPLE RESULTS

Lab ID: L1305784-01
Client ID: N004N009
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 90%

Date Collected: 04/03/13 09:40
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.6		mg/kg	0.43	0.13	2	04/09/13 10:23	04/10/13 15:31	EPA 3050B	1,6010C	MS
Barium, Total	35		mg/kg	0.43	0.13	2	04/09/13 10:23	04/10/13 15:31	EPA 3050B	1,6010C	MS
Beryllium, Total	0.41		mg/kg	0.22	0.02	2	04/09/13 10:23	04/10/13 15:31	EPA 3050B	1,6010C	MS
Cadmium, Total	ND		mg/kg	0.43	0.03	2	04/09/13 10:23	04/10/13 15:31	EPA 3050B	1,6010C	MS
Chromium, Total	18		mg/kg	0.43	0.09	2	04/09/13 10:23	04/10/13 15:31	EPA 3050B	1,6010C	MS
Copper, Total	9.0		mg/kg	0.43	0.22	2	04/09/13 10:23	04/10/13 15:31	EPA 3050B	1,6010C	MS
Lead, Total	52		mg/kg	2.2	0.13	2	04/09/13 10:23	04/10/13 15:31	EPA 3050B	1,6010C	MS
Mercury, Total	0.15		mg/kg	0.08	0.02	2	04/10/13 11:33	04/10/13 15:55	EPA 7471B	1,7471B	MC
Nickel, Total	5.8		mg/kg	1.1	0.17	2	04/09/13 10:23	04/10/13 15:31	EPA 3050B	1,6010C	MS
Selenium, Total	0.34	J	mg/kg	0.87	0.13	2	04/09/13 10:23	04/10/13 15:31	EPA 3050B	1,6010C	MS
Silver, Total	ND		mg/kg	0.43	0.09	2	04/09/13 10:23	04/10/13 15:31	EPA 3050B	1,6010C	MS
Zinc, Total	100		mg/kg	2.2	0.22	2	04/09/13 10:23	04/10/13 15:31	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305784

Project Number: Not Specified **Report Date:** 04/10/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG600448-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Barium, Total	ND		mg/kg	0.40	0.12	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Copper, Total	ND		mg/kg	0.40	0.20	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Lead, Total	ND		mg/kg	2.0	0.12	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Silver, Total	ND		mg/kg	0.40	0.08	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Zinc, Total	ND		mg/kg	2.0	0.20	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG600660-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/10/13 11:33	04/10/13 15:12	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305784

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG600448-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	104		-		83-118	-		
Beryllium, Total	104		-		83-117	-		
Cadmium, Total	98		-		82-117	-		
Chromium, Total	101		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	103		-		80-120	-		
Nickel, Total	104		-		82-117	-		
Selenium, Total	106		-		80-120	-		
Silver, Total	100		-		66-134	-		
Zinc, Total	106		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG600660-2 SRM Lot Number: 0518-10-02								
Mercury, Total	111		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305784
Report Date: 04/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600448-4 QC Sample: L1305778-01 Client ID: MS Sample												
Arsenic, Total	0.44J	11.5	12	104		-	-		75-125	-		35
Barium, Total	16.	191	200	96		-	-		75-125	-		35
Beryllium, Total	0.16J	4.78	5.0	104		-	-		75-125	-		35
Cadmium, Total	2.9	4.88	46	88		-	-		75-125	-		35
Chromium, Total	16.	19.1	32	84		-	-		75-125	-		35
Copper, Total	8.7	23.9	31	93		-	-		75-125	-		35
Lead, Total	7.3	48.8	53	94		-	-		75-125	-		35
Nickel, Total	12.	47.8	56	92		-	-		75-125	-		35
Selenium, Total	ND	11.5	12	104		-	-		75-125	-		35
Silver, Total	ND	28.7	30	104		-	-		75-125	-		35
Zinc, Total	31.	47.8	60	**61**	Q	-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600660-4 QC Sample: L1305746-01 Client ID: MS Sample												
Mercury, Total	ND	0.17	0.20	118		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305784
Report Date: 04/10/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600448-3 QC Sample: L1305778-01 Client ID: DUP Sample						
Arsenic, Total	0.44J	0.41J	mg/kg	NC		35
Barium, Total	16.	12	mg/kg	29		35
Beryllium, Total	0.16J	0.10J	mg/kg	NC		35
Cadmium, Total	2.9	0.89	mg/kg	**106**	Q	35
Chromium, Total	16.	13	mg/kg	21		35
Copper, Total	8.7	6.6	mg/kg	27		35
Lead, Total	7.3	3.8	mg/kg	**63**	Q	35
Nickel, Total	12.	9.0	mg/kg	29		35
Selenium, Total	ND	0.36J	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Zinc, Total	31.	14	mg/kg	**76**	Q	35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600660-3 QC Sample: L1305746-01 Client ID: DUP Sample						
Mercury, Total	ND	0.02J	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305784
Report Date: 04/10/13

SAMPLE RESULTS

Lab ID: L1305784-01
Client ID: N004N009
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/03/13 09:40
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.6		%	0.100	NA	1	-	04/04/13 19:26	30,2540G	RD
Cyanide, Total	ND		mg/kg	1.0	0.24	2	04/08/13 14:00	04/09/13 13:41	1,9010C/9012A	DE

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305784

Project Number: Not Specified **Report Date:** 04/10/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG600310-1										
Cyanide, Total	ND		mg/kg	0.89	0.21	1	04/08/13 14:00	04/09/13 13:06	1,9010C/9012A	DE

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305784

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG600310-4 WG600310-5								
Cyanide, Total	113		115		80-120	2		35

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305784
Report Date: 04/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600310-3 WG600310-2 QC Sample: L1305478-18 Client ID: MS Sample												
Cyanide, Total	ND	13	13	100		15	110		65-135	14		35

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305784
Project Number:	Not Specified	**Report Date:**	04/10/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305784
Project Number:	Not Specified	**Report Date:**	04/10/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305784
Project Number:	Not Specified	**Report Date:**	04/10/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL World Class Chemistry

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/4/13

ALPHA Job #: L1305784

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Extract/Digest Sample N004015 and Sample N009015.
Composite and analyze Extract/Digestate as Sample inidicated below.
Detection limits to meet NYSDEC Part 375 Requirements (0.5 x Unrestricted)
Use average of associated aliquot %Moisture for result calculations

ANALYSIS

SAMPLE HANDLING

Filtration
☐ Done
☐ Not Needed
☐ Lab to do

Preservation
☒ Lab to do

(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cyanide	Metals-See attached list (no Cr6+)	PCBs	SVOCs-See atached list									Sample Specific Comments	TOTAL # BOTTLES
05784 1	N004 N009	4/3	940	S	[illegible]	☒	☒	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		

Container Type	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/3 1600	Kyle Cunningham [signature]	4/3/13 1600
Kyle Cunningham [signature]		[signature]	4/3/13 2204
[signature]	4/4/13 0050	[signature]	4/4/13 0050

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 5-JAN-12)

JOB: L1305782 REPORT STYLE: Data Usability Report
001: Cover & Signature Pages - OK
006: Narrative Page(s) - OK
010: Cover Page - OK
011: Volatiles Sample Results - OK
012: Volatiles Blank Report - OK
013: Volatiles LCS Report - OK
018: Cover Page - OK
020: Semivolatiles Blank Report - OK
021: Semivolatiles LCS Report - OK
100: Metals Sample Results - OK
101: Metals Blank Report - OK
102: Metals LCS Report - OK
104: Metals Matrix Spike Report - OK
105: Metals Duplicate Report - OK
118: Cover Page - OK
120: Wet Chemistry Sample Results - OK
125: Wet Chemistry Duplicate Report - OK
510: Container Report - OK
520: Glossary - OK
540: Reference Report - OK

No results found for sample L1305782-01 for product AG-TI
No results found for sample L1305782-01 for product AS-TI
No results found for sample L1305782-01 for product BA-TI
No results found for sample L1305782-01 for product BE-TI
No results found for sample L1305782-01 for product CD-TI
No results found for sample L1305782-01 for product CU-TI
No results found for sample L1305782-01 for product NI-TI
No results found for sample L1305782-01 for product NYTCL-8270
No results found for sample L1305782-01 for product SE-TI
No results found for sample L1305782-01 for product TCN-9010
No results found for sample L1305782-02 for product AG-TI
No results found for sample L1305782-02 for product AS-TI
No results found for sample L1305782-02 for product BA-TI
No results found for sample L1305782-02 for product BE-TI
No results found for sample L1305782-02 for product CD-TI
No results found for sample L1305782-02 for product CU-TI
No results found for sample L1305782-02 for product NI-TI
No results found for sample L1305782-02 for product NYTCL-8270
No results found for sample L1305782-02 for product SE-TI
No results found for sample L1305782-02 for product TCN-9010

ANALYTICAL REPORT

Lab Number:	L1305782
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/18/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305782
Report Date: 04/18/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305782-01	N004015	GLENS FALLS NEW YORK	04/03/13 09:30
L1305782-02	N009015	GLENS FALLS NEW YORK	04/03/13 09:40

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305782
Project Number:	Not Specified	**Report Date:**	04/18/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305782
Project Number:	Not Specified	**Report Date:**	04/18/13

Case Narrative (continued)

Report Submission

This partial report replaces the report issued on April 11, 2013. At the client's request, the samples were analyzed for Total Chromium, Lead, Mercury and Zinc. A final report will be issued as soon as the results of all requested analyses become available.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 04/18/13

ORGANICS

VOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305782

Project Number: Not Specified **Report Date:** 04/18/13

SAMPLE RESULTS

Lab ID:	L1305782-01	Date Collected:	04/03/13 09:30
Client ID:	N004015	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/07/13 14:44		
Analyst:	BN		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.8	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
Chlorobenzene	ND		ug/kg	1.2	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.17	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	5.8	0.91	1
Vinyl chloride	ND		ug/kg	2.3	0.16	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	5.9		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.28	1
cis-1,2-Dichloroethene	0.58	J	ug/kg	1.2	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	103		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305782

Project Number: Not Specified **Report Date:** 04/18/13

SAMPLE RESULTS

Lab ID:	L1305782-02	Date Collected:	04/03/13 09:40
Client ID:	N009015	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/07/13 15:11		
Analyst:	BN		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	0.35	J	ug/kg	1.7	0.13	1
Ethylbenzene	ND		ug/kg	1.1	0.17	1
Chloromethane	ND		ug/kg	5.7	0.89	1
Vinyl chloride	ND		ug/kg	2.3	0.16	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	5.7	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	5.7	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	5.7	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	102		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305782

Project Number: Not Specified **Report Date:** 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/07/13 09:36
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG600105-3					
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.34	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Vinyl chloride	ND		ug/kg	2.0	0.14
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305782

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600105-1 WG600105-2								
Methylene chloride	99		92		70-130	7		30
1,1-Dichloroethane	96		90		70-130	6		30
Chloroform	90		84		70-130	7		30
Carbon tetrachloride	94		85		70-130	10		30
1,2-Dichloropropane	94		88		70-130	7		30
Dibromochloromethane	91		87		70-130	4		30
2-Chloroethylvinyl ether	93		88			6		30
1,1,2-Trichloroethane	93		90		70-130	3		30
Tetrachloroethene	100		92		70-130	8		30
Chlorobenzene	94		89		70-130	5		30
Trichlorofluoromethane	92		82		70-139	11		30
1,2-Dichloroethane	79		77		70-130	3		30
1,1,1-Trichloroethane	91		83		70-130	9		30
Bromodichloromethane	86		83		70-130	4		30
trans-1,3-Dichloropropene	90		87		70-130	3		30
cis-1,3-Dichloropropene	89		86		70-130	3		30
1,1-Dichloropropene	96		88		70-130	9		30
Bromoform	86		85		70-130	1		30
1,1,2,2-Tetrachloroethane	91		91		70-130	0		30
Benzene	95		89		70-130	7		30
Toluene	96		89		70-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305782

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600105-1 WG600105-2								
Ethylbenzene	92		86		70-130	7		30
Chloromethane	128		114		52-130	12		30
Bromomethane	100		85		57-147	16		30
Vinyl chloride	123		109		67-130	12		30
Chloroethane	85		70		50-151	19		30
1,1-Dichloroethene	104		96		65-135	8		30
trans-1,2-Dichloroethene	98		90		70-130	9		30
Trichloroethene	94		87		70-130	8		30
1,2-Dichlorobenzene	93		89		70-130	4		30
1,3-Dichlorobenzene	95		90		70-130	5		30
1,4-Dichlorobenzene	94		90		70-130	4		30
Methyl tert butyl ether	85		84		66-130	1		30
p/m-Xylene	96		89		70-130	8		30
o-Xylene	93		88		70-130	6		30
cis-1,2-Dichloroethene	93		88		70-130	6		30
Dibromomethane	85		82		70-130	4		30
Styrene	90		85		70-130	6		30
Dichlorodifluoromethane	129		114		30-146	12		30
Acetone	104		89		54-140	16		30
Carbon disulfide	106		96		59-130	10		30
2-Butanone	90		83		70-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305782

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600105-1 WG600105-2								
Vinyl acetate	82		82		70-130	0		30
4-Methyl-2-pentanone	84		83		70-130	1		30
1,2,3-Trichloropropane	88		87		68-130	1		30
2-Hexanone	81		77		70-130	5		30
Bromochloromethane	95		90		70-130	5		30
2,2-Dichloropropane	91		83		70-130	9		30
1,2-Dibromoethane	89		88		70-130	1		30
1,3-Dichloropropane	91		88		69-130	3		30
1,1,1,2-Tetrachloroethane	91		87		70-130	4		30
Bromobenzene	93		89		70-130	4		30
n-Butylbenzene	96		88		70-130	9		30
sec-Butylbenzene	96		88		70-130	9		30
tert-Butylbenzene	95		88		70-130	8		30
o-Chlorotoluene	93		88		70-130	6		30
p-Chlorotoluene	93		87		70-130	7		30
1,2-Dibromo-3-chloropropane	80		77		68-130	4		30
Hexachlorobutadiene	104		96		67-130	8		30
Isopropylbenzene	93		87		70-130	7		30
p-Isopropyltoluene	94		88		70-130	7		30
Naphthalene	92		90		70-130	2		30
Acrylonitrile	97		97		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305782

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600105-1 WG600105-2								
Isopropyl Ether	92		89		66-130	3		30
tert-Butyl Alcohol	84		85		70-130	1		30
n-Propylbenzene	95		88		70-130	8		30
1,2,3-Trichlorobenzene	98		94		70-130	4		30
1,2,4-Trichlorobenzene	100		94		70-130	6		30
1,3,5-Trimethylbenzene	94		88		70-130	7		30
1,2,4-Trimethylbenzene	94		88		70-130	7		30
Methyl Acetate	91		91		70-130	0		30
Ethyl Acetate	87		86		70-130	1		30
Acrolein	81		81		70-130	0		30
Cyclohexane	111		102		70-130	8		30
1,4-Dioxane	101		102		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	112		100		70-130	11		30
1,4-Diethylbenzene	96		90		70-130	6		30
4-Ethyltoluene	96		90		70-130	6		30
1,2,4,5-Tetramethylbenzene	93		88		70-130	6		30
Tetrahydrofuran	91		91		66-130	0		30
Ethyl ether	80		77		67-130	4		30
trans-1,4-Dichloro-2-butene	82		83		70-130	1		30
Methyl cyclohexane	105		96		70-130	9		30
Ethyl-Tert-Butyl-Ether	87		84		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305782

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600105-1 WG600105-2								
Tertiary-Amyl Methyl Ether	84		82		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	86		88		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	94		95		70-130
Dibromofluoromethane	100		99		70-130

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305782
Report Date: 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/09/13 22:17
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 04/08/13 12:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG600231-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	50	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	50	17.
Benzo(k)fluoranthene	ND		ug/kg	50	16.
Chrysene	ND		ug/kg	50	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	50	16.
Dibenzo(a,h)anthracene	ND		ug/kg	50	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	50		30-120
2,4,6-Tribromophenol	52		0-136
4-Terphenyl-d14	57		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305782

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG600231-2 WG600231-3								
Acenaphthene	68		75		31-137	10		50
1,2,4-Trichlorobenzene	52		67		38-107	25		50
Hexachlorobenzene	68		72		40-140	6		50
Bis(2-chloroethyl)ether	60		77		40-140	25		50
2-Chloronaphthalene	62		73		40-140	16		50
1,2-Dichlorobenzene	55		73		40-140	28		50
1,3-Dichlorobenzene	54		70		40-140	26		50
1,4-Dichlorobenzene	55		70		28-104	24		50
3,3'-Dichlorobenzidine	57		53		40-140	7		50
2,4-Dinitrotoluene	76		78		28-89	3		50
2,6-Dinitrotoluene	69		73		40-140	6		50
Fluoranthene	72		76		40-140	5		50
4-Chlorophenyl phenyl ether	68		72		40-140	6		50
4-Bromophenyl phenyl ether	68		69		40-140	1		50
Bis(2-chloroisopropyl)ether	68		85		40-140	22		50
Bis(2-chloroethoxy)methane	67		82		40-117	20		50
Hexachlorobutadiene	54		70		40-140	26		50
Hexachlorocyclopentadiene	47		62		40-140	28		50
Hexachloroethane	62		79		40-140	24		50
Isophorone	66		79		40-140	18		50
Naphthalene	57		72		40-140	23		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305782

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG600231-2 WG600231-3								
Nitrobenzene	61		78		40-140	24		50
NitrosoDiPhenylAmine(NDPA)/DPA	72		75			4		50
n-Nitrosodi-n-propylamine	69		85		32-121	21		50
Bis(2-Ethylhexyl)phthalate	93		97		40-140	4		50
Butyl benzyl phthalate	80		83		40-140	4		50
Di-n-butylphthalate	83		87		40-140	5		50
Di-n-octylphthalate	92		95		40-140	3		50
Diethyl phthalate	80		83		40-140	4		50
Dimethyl phthalate	76		79		40-140	4		50
Benzo(a)anthracene	77		80		40-140	4		50
Benzo(a)pyrene	78		81		40-140	4		50
Benzo(b)fluoranthene	74		78		40-140	5		50
Benzo(k)fluoranthene	79		82		40-140	4		50
Chrysene	79		82		40-140	4		50
Acenaphthylene	63		70		40-140	11		50
Anthracene	77		81		40-140	5		50
Benzo(ghi)perylene	78		82		40-140	5		50
Fluorene	71		76		40-140	7		50
Phenanthrene	75		80		40-140	6		50
Dibenzo(a,h)anthracene	78		82		40-140	5		50
Indeno(1,2,3-cd)Pyrene	74		78		40-140	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305782

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG600231-2 WG600231-3								
Pyrene	72		74		35-142	3		50
Biphenyl	69		79			14		50
4-Chloroaniline	46		59		40-140	25		50
2-Nitroaniline	73		77		47-134	5		50
3-Nitroaniline	46		41		26-129	11		50
4-Nitroaniline	77		78		41-125	1		50
Dibenzofuran	68		75		40-140	10		50
2-Methylnaphthalene	55		65		40-140	17		50
1,2,4,5-Tetrachlorobenzene	66		79		40-117	18		50
Acetophenone	69		86		14-144	22		50
2,4,6-Trichlorophenol	66		71		30-130	7		50
P-Chloro-M-Cresol	77		84		26-103	9		50
2-Chlorophenol	64		82		25-102	25		50
2,4-Dichlorophenol	66		79		30-130	18		50
2,4-Dimethylphenol	70		84		30-130	18		50
2-Nitrophenol	63		77		30-130	20		50
4-Nitrophenol	51		45		11-114	13		50
2,4-Dinitrophenol	32		37		4-130	14		50
4,6-Dinitro-o-cresol	70		73		10-130	4		50
Pentachlorophenol	65		69		17-109	6		50
Phenol	69		86		26-90	22		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305782

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG600231-2 WG600231-3								
2-Methylphenol	68		85		30-130.	22		50
3-Methylphenol/4-Methylphenol	70		87		30-130	22		50
2,4,5-Trichlorophenol	70		73		30-130	4		50
Benzoic Acid	0		0			NC		50
Benzyl Alcohol	71		90		40-140	24		50
Carbazole	75		80		54-128	6		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	66		80		25-120
Phenol-d6	69		83		10-120
Nitrobenzene-d5	64		77		23-120
2-Fluorobiphenyl	58		65		30-120
2,4,6-Tribromophenol	71		73		0-136
4-Terphenyl-d14	59		59		18-120

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305782
Project Number: Not Specified
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305782-01
Client ID: N004015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 89%

Date Collected: 04/03/13 09:30
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	13		mg/kg	0.43	0.09	1	04/09/13 10:23	04/09/13 22:47	EPA 3050B	1,6010C	MS
Lead, Total	17		mg/kg	2.2	0.13	1	04/09/13 10:23	04/09/13 22:47	EPA 3050B	1,6010C	MS
Mercury, Total	0.20		mg/kg	0.08	0.02	1	04/10/13 11:33	04/10/13 15:52	EPA 7471B	1,7471B	MC
Zinc, Total	100		mg/kg	2.2	0.22	1	04/09/13 10:23	04/09/13 22:47	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305782
Project Number: Not Specified
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305782-02
Client ID: N009015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 90%

Date Collected: 04/03/13 09:40
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	22		mg/kg	0.44	0.09	1	04/09/13 10:23	04/09/13 22:49	EPA 3050B	1,6010C	MS
Lead, Total	86		mg/kg	2.2	0.13	1	04/09/13 10:23	04/09/13 22:49	EPA 3050B	1,6010C	MS
Mercury, Total	0.10		mg/kg	0.08	0.02	1	04/10/13 11:33	04/10/13 15:54	EPA 7471B	1,7471B	MC
Zinc, Total	96		mg/kg	2.2	0.22	1	04/09/13 10:23	04/09/13 22:49	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305782

Project Number: Not Specified **Report Date:** 04/18/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG600448-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Barium, Total	ND		mg/kg	0.40	0.12	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Copper, Total	ND		mg/kg	0.40	0.20	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Lead, Total	ND		mg/kg	2.0	0.12	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Silver, Total	ND		mg/kg	0.40	0.08	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Zinc, Total	ND		mg/kg	2.0	0.20	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG600660-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/10/13 11:33	04/10/13 15:12	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305782

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG600448-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	104		-		83-118	-		
Beryllium, Total	104		-		83-117	-		
Cadmium, Total	98		-		82-117	-		
Chromium, Total	101		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	103		-		80-120	-		
Nickel, Total	104		-		82-117	-		
Selenium, Total	106		-		80-120	-		
Silver, Total	100		-		66-134	-		
Zinc, Total	106		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG600660-2 SRM Lot Number: 0518-10-02								
Mercury, Total	111		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305782
Report Date: 04/18/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600448-4 QC Sample: L1305778-01 Client ID: MS Sample												
Arsenic, Total	0.44J	11.5	12	104		-	-		75-125	-		35
Barium, Total	16.	191	200	96		-	-		75-125	-		35
Beryllium, Total	0.16J	4.78	5.0	104		-	-		75-125	-		35
Cadmium, Total	2.9	4.88	46	88		-	-		75-125	-		35
Chromium, Total	16.	19.1	32	84		-	-		75-125	-		35
Copper, Total	8.7	23.9	31	93		-	-		75-125	-		35
Lead, Total	7.3	48.8	53	94		-	-		75-125	-		35
Nickel, Total	12.	47.8	56	92		-	-		75-125	-		35
Selenium, Total	ND	11.5	12	104		-	-		75-125	-		35
Silver, Total	ND	28.7	30	104		-	-		75-125	-		35
Zinc, Total	31.	47.8	60	**61**	Q	-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600660-4 QC Sample: L1305746-01 Client ID: MS Sample												
Mercury, Total	ND	0.17	0.20	118		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305782
Report Date: 04/18/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600448-3 QC Sample: L1305778-01 Client ID: DUP Sample						
Cadmium, Total	2.9	0.89	mg/kg	**106**	Q	35
Chromium, Total	16.	13	mg/kg	21		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600660-3 QC Sample: L1305746-01 Client ID: DUP Sample						
Mercury, Total	ND	0.02J	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305782
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305782-01
Client ID: N004015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/03/13 09:30
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.2		%	0.100	NA	1	-	04/04/13 19:26	30,2540G	RD

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305782
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305782-02
Client ID: N009015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/03/13 09:40
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.9		%	0.100	NA	1	-	04/04/13 19:26	30,2540G	RD

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305782
Report Date: 04/18/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599644-1 QC Sample: L1305687-01 Client ID: DUP Sample						
Solids, Total	84.5	83.8	%	1		20

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305782
Report Date: 04/18/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 04/04/2013 14:06

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305782-01A	Vial MeOH preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305782-01B	Vial water preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305782-01C	Vial water preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305782-01D	Amber 100ml unpreserved	A	N/A	3.5	Y	Absent	TS(7)
L1305782-01E	Amber 120ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305782-01F	Amber 250ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305782-02A	Vial MeOH preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305782-02B	Vial water preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305782-02C	Vial water preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305782-02D	Amber 100ml unpreserved	A	N/A	3.5	Y	Absent	TS(7)
L1305782-02E	Amber 120ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305782
Report Date: 04/18/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305782-02F	Amber 250ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305782
Project Number:	Not Specified	**Report Date:**	04/18/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305782
Project Number:	Not Specified	**Report Date:**	04/18/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305782
Project Number:	Not Specified	**Report Date:**	04/18/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF COUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL — World Class Chemistry

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/4/13
ALPHA Job #: L1305782

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Detection limits to meet NYSDEC Part 375 Requirements (Unrestricted)
Find %Moisture of each aliquot and calculate average for use as %Moisture of associated composite sample

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs-See attached list	Hexavalent Chromium-Hold	Cyanide-Hold	Metals-See attached list-Hold	PCBs-Hold	SVOCs-See atached list-Hold							Sample Specific Comments	TOTAL # BOTTLES
05782 1	N004015	4/3	930	S	[initials]	☒	☒	☒	☒	☐	☒	☐	☐	☐	☐	☐	☐		
.2	N009015	4/3	940	S	[initials]	☒	☒	☒	☒	☐	☒	☐	☐	☐	☐	☐	☐		
Container Type						-	-	-	-	-	-	-	-	-	-	-	-		
Preservative						-	-	-	-	-	-	-	-	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/3 1600	[signature]	4/3/13 1600
[signature]		[signature]	4/3/13 22:04
[signature]	4/4/13 0050	[signature]	4/4/13 0050

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 5-JAN-12)

ANALYTICAL REPORT

Lab Number:	L1305780
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/10/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305780
Report Date: 04/10/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305780-01	N006N010	GLENS FALLS NEW YORK	04/03/13 11:05

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305780
Project Number: Not Specified **Report Date:** 04/10/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305780
Project Number:	Not Specified	**Report Date:**	04/10/13

Case Narrative (continued)

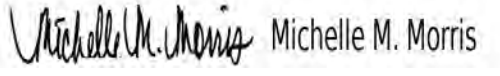
Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Solids, Total

L1305780-01: The average result from the original samples is reported; the Duplicate was performed with original batch.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Michelle M. Morris

Title: Technical Director/Representative Date: 04/10/13

ORGANICS

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305780

Project Number: Not Specified **Report Date:** 04/10/13

SAMPLE RESULTS

Lab ID:	L1305780-01	Date Collected:	04/03/13 11:05
Client ID:	N006N010	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/08/13 12:41
Analytical Date:	04/10/13 13:54		
Analyst:	RC		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	52.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	ND		ug/kg	120	39.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	40.	1
Benzo(k)fluoranthene	ND		ug/kg	120	38.	1
Chrysene	ND		ug/kg	120	39.	1
Fluorene	ND		ug/kg	200	57.	1
Phenanthrene	ND		ug/kg	120	39.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	44.	1
2-Chlorophenol	ND		ug/kg	200	60.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	58.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	65.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	99		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	108		23-120
2-Fluorobiphenyl	112		30-120
2,4,6-Tribromophenol	123		0-136
4-Terphenyl-d14	106		18-120

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305780
Report Date: 04/10/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/09/13 22:17
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 04/08/13 12:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG600231-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	50	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	50	17.
Benzo(k)fluoranthene	ND		ug/kg	50	16.
Chrysene	ND		ug/kg	50	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	50	16.
Dibenzo(a,h)anthracene	ND		ug/kg	50	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	50		30-120
2,4,6-Tribromophenol	52		0-136
4-Terphenyl-d14	57		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305780

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG600231-2 WG600231-3								
Acenaphthene	68		75		31-137	10		50
1,2,4-Trichlorobenzene	52		67		38-107	25		50
Hexachlorobenzene	68		72		40-140	6		50
Bis(2-chloroethyl)ether	60		77		40-140	25		50
2-Chloronaphthalene	62		73		40-140	16		50
1,2-Dichlorobenzene	55		73		40-140	28		50
1,3-Dichlorobenzene	54		70		40-140	26		50
1,4-Dichlorobenzene	55		70		28-104	24		50
3,3'-Dichlorobenzidine	57		53		40-140	7		50
2,4-Dinitrotoluene	76		78		28-89	3		50
2,6-Dinitrotoluene	69		73		40-140	6		50
Fluoranthene	72		76		40-140	5		50
4-Chlorophenyl phenyl ether	68		72		40-140	6		50
4-Bromophenyl phenyl ether	68		69		40-140	1		50
Bis(2-chloroisopropyl)ether	68		85		40-140	22		50
Bis(2-chloroethoxy)methane	67		82		40-117	20		50
Hexachlorobutadiene	54		70		40-140	26		50
Hexachlorocyclopentadiene	47		62		40-140	28		50
Hexachloroethane	62		79		40-140	24		50
Isophorone	66		79		40-140	18		50
Naphthalene	57		72		40-140	23		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305780

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG600231-2 WG600231-3								
Nitrobenzene	61		78		40-140	24		50
NitrosoDiPhenylAmine(NDPA)/DPA	72		75			4		50
n-Nitrosodi-n-propylamine	69		85		32-121	21		50
Bis(2-Ethylhexyl)phthalate	93		97		40-140	4		50
Butyl benzyl phthalate	80		83		40-140	4		50
Di-n-butylphthalate	83		87		40-140	5		50
Di-n-octylphthalate	92		95		40-140	3		50
Diethyl phthalate	80		83		40-140	4		50
Dimethyl phthalate	76		79		40-140	4		50
Benzo(a)anthracene	77		80		40-140	4		50
Benzo(a)pyrene	78		81		40-140	4		50
Benzo(b)fluoranthene	74		78		40-140	5		50
Benzo(k)fluoranthene	79		82		40-140	4		50
Chrysene	79		82		40-140	4		50
Acenaphthylene	63		70		40-140	11		50
Anthracene	77		81		40-140	5		50
Benzo(ghi)perylene	78		82		40-140	5		50
Fluorene	71		76		40-140	7		50
Phenanthrene	75		80		40-140	6		50
Dibenzo(a,h)anthracene	78		82		40-140	5		50
Indeno(1,2,3-cd)Pyrene	74		78		40-140	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305780
Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG600231-2 WG600231-3								
Pyrene	72		74		35-142	3		50
Biphenyl	69		79			14		50
4-Chloroaniline	46		59		40-140	25		50
2-Nitroaniline	73		77		47-134	5		50
3-Nitroaniline	46		41		26-129	11		50
4-Nitroaniline	77		78		41-125	1		50
Dibenzofuran	68		75		40-140	10		50
2-Methylnaphthalene	55		65		40-140	17		50
1,2,4,5-Tetrachlorobenzene	66		79		40-117	18		50
Acetophenone	69		86		14-144	22		50
2,4,6-Trichlorophenol	66		71		30-130	7		50
P-Chloro-M-Cresol	77		84		26-103	9		50
2-Chlorophenol	64		82		25-102	25		50
2,4-Dichlorophenol	66		79		30-130	18		50
2,4-Dimethylphenol	70		84		30-130	18		50
2-Nitrophenol	63		77		30-130	20		50
4-Nitrophenol	51		45		11-114	13		50
2,4-Dinitrophenol	32		37		4-130	14		50
4,6-Dinitro-o-cresol	70		73		10-130	4		50
Pentachlorophenol	65		69		17-109	6		50
Phenol	69		86		26-90	22		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305780

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG600231-2 WG600231-3								
2-Methylphenol	68		85		30-130.	22		50
3-Methylphenol/4-Methylphenol	70		87		30-130	22		50
2,4,5-Trichlorophenol	70		73		30-130	4		50
Benzoic Acid	0		0			NC		50
Benzyl Alcohol	71		90		40-140	24		50
Carbazole	75		80		54-128	6		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	66		80		25-120
Phenol-d6	69		83		10-120
Nitrobenzene-d5	64		77		23-120
2-Fluorobiphenyl	58		65		30-120
2,4,6-Tribromophenol	71		73		0-136
4-Terphenyl-d14	59		59		18-120

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305780
Project Number: Not Specified
Report Date: 04/10/13

SAMPLE RESULTS

Lab ID: L1305780-01
Client ID: N006N010
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 84%

Date Collected: 04/03/13 11:05
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	0.81		mg/kg	0.45	0.14	2	04/09/13 10:23	04/10/13 15:28	EPA 3050B	1,6010C	MS
Barium, Total	21		mg/kg	0.45	0.14	2	04/09/13 10:23	04/10/13 15:28	EPA 3050B	1,6010C	MS
Beryllium, Total	0.25		mg/kg	0.23	0.02	2	04/09/13 10:23	04/10/13 15:28	EPA 3050B	1,6010C	MS
Cadmium, Total	2.9		mg/kg	0.45	0.03	2	04/09/13 10:23	04/10/13 15:28	EPA 3050B	1,6010C	MS
Chromium, Total	15		mg/kg	0.45	0.09	2	04/09/13 10:23	04/10/13 15:28	EPA 3050B	1,6010C	MS
Copper, Total	8.4		mg/kg	0.45	0.23	2	04/09/13 10:23	04/10/13 15:28	EPA 3050B	1,6010C	MS
Lead, Total	13		mg/kg	2.3	0.14	2	04/09/13 10:23	04/10/13 15:28	EPA 3050B	1,6010C	MS
Mercury, Total	0.16		mg/kg	0.08	0.02	2	04/10/13 11:33	04/10/13 15:50	EPA 7471B	1,7471B	MC
Nickel, Total	8.6		mg/kg	1.1	0.18	2	04/09/13 10:23	04/10/13 15:28	EPA 3050B	1,6010C	MS
Selenium, Total	0.24	J	mg/kg	0.91	0.14	2	04/09/13 10:23	04/10/13 15:28	EPA 3050B	1,6010C	MS
Silver, Total	ND		mg/kg	0.45	0.09	2	04/09/13 10:23	04/10/13 15:28	EPA 3050B	1,6010C	MS
Zinc, Total	30		mg/kg	2.3	0.23	2	04/09/13 10:23	04/10/13 15:28	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305780

Project Number: Not Specified **Report Date:** 04/10/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG600448-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Barium, Total	ND		mg/kg	0.40	0.12	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Copper, Total	ND		mg/kg	0.40	0.20	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Lead, Total	ND		mg/kg	2.0	0.12	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Silver, Total	ND		mg/kg	0.40	0.08	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Zinc, Total	ND		mg/kg	2.0	0.20	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG600660-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/10/13 11:33	04/10/13 15:12	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305780

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG600448-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	104		-		83-118	-		
Beryllium, Total	104		-		83-117	-		
Cadmium, Total	98		-		82-117	-		
Chromium, Total	101		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	103		-		80-120	-		
Nickel, Total	104		-		82-117	-		
Selenium, Total	106		-		80-120	-		
Silver, Total	100		-		66-134	-		
Zinc, Total	106		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG600660-2 SRM Lot Number: 0518-10-02								
Mercury, Total	111		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305780
Report Date: 04/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600448-4 QC Sample: L1305778-01 Client ID: MS Sample												
Arsenic, Total	0.44J	11.5	12	104		-	-		75-125	-		35
Barium, Total	16.	191	200	96		-	-		75-125	-		35
Beryllium, Total	0.16J	4.78	5.0	104		-	-		75-125	-		35
Cadmium, Total	2.9	4.88	46	88		-	-		75-125	-		35
Chromium, Total	16.	19.1	32	84		-	-		75-125	-		35
Copper, Total	8.7	23.9	31	93		-	-		75-125	-		35
Lead, Total	7.3	48.8	53	94		-	-		75-125	-		35
Nickel, Total	12.	47.8	56	92		-	-		75-125	-		35
Selenium, Total	ND	11.5	12	104		-	-		75-125	-		35
Silver, Total	ND	28.7	30	104		-	-		75-125	-		35
Zinc, Total	31.	47.8	60	**61**	Q	-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600660-4 QC Sample: L1305746-01 Client ID: MS Sample												
Mercury, Total	ND	0.17	0.20	118		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305780
Report Date: 04/10/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600448-3 QC Sample: L1305778-01 Client ID: DUP Sample						
Arsenic, Total	0.44J	0.41J	mg/kg	NC		35
Barium, Total	16.	12	mg/kg	29		35
Beryllium, Total	0.16J	0.10J	mg/kg	NC		35
Cadmium, Total	2.9	0.89	mg/kg	**106**	Q	35
Chromium, Total	16.	13	mg/kg	21		35
Copper, Total	8.7	6.6	mg/kg	27		35
Lead, Total	7.3	3.8	mg/kg	**63**	Q	35
Nickel, Total	12.	9.0	mg/kg	29		35
Selenium, Total	ND	0.36J	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Zinc, Total	31.	14	mg/kg	**76**	Q	35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600660-3 QC Sample: L1305746-01 Client ID: DUP Sample						
Mercury, Total	ND	0.02J	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305780
Report Date: 04/10/13

SAMPLE RESULTS

Lab ID: L1305780-01
Client ID: N006N010
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/03/13 11:05
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.9		%	0.100	NA	1	-	04/04/13 19:26	30,2540G	RD
Cyanide, Total	ND		mg/kg	1.2	0.27	2	04/08/13 14:00	04/09/13 13:39	1,9010C/9012A	DE

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305780

Project Number: Not Specified **Report Date:** 04/10/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG600310-1										
Cyanide, Total	ND		mg/kg	0.89	0.21	1	04/08/13 14:00	04/09/13 13:06	1,9010C/9012A	DE

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305780

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG600310-4 WG600310-5								
Cyanide, Total	113		115		80-120	2		35

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305780
Report Date: 04/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600310-3 WG600310-2 QC Sample: L1305478-18 Client ID: MS Sample												
Cyanide, Total	ND	13	13	100		15	110		65-135	14		35

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305780
Project Number:	Not Specified	**Report Date:**	04/10/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305780
Project Number:	Not Specified	**Report Date:**	04/10/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305780
Project Number:	Not Specified	**Report Date:**	04/10/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

Serial_No:04101319:26

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL — World Class Chemistry

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/4/13
ALPHA Job #: L1305780

Client Information

Client: AMO Environmental Decisions
Address: 4327 Pt Pleasant Pk (PO Box 410)
Danboro, PA 18916
Phone: 215-230-8282
Fax: 215-230-8283
Email: pmalmquist@amoed.com
☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: BASF Glens Falls New York
Project Location: Glens Falls New York
Project #:
Project Manager: P. Malmquist
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)
Due Date: Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:
Extract/Digest Sample N008015 and Sample N010015.
Composite and analyze Extract/Digestate as Sample inidicated below.
Detection limits to meet NYSDEC Part 375 Requirements (0.5 x Unrestricted)
Use average of associated aliquot %Moisture for result calculations

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cyanide	Metals-See attached list (no Cr6+)	PCBs	SVOCs-See atached list	Sample Specific Comments	TOTAL # BOTTLES
65780.1	N008 N010	4/3	1105	S	SK	☒	☒	☐	☒		

Container Type: -
Preservative: -

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/3 1600	[signature]	4/3/13 1600
[signature]		[signature]	4/3/13 2204
[signature]	4/4/13 0050	[signature]	4/4/13 0050

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 5-JAN-12)

JOB: L1305778 REPORT STYLE: Data Usability Report
001: Cover & Signature Pages - OK
006: Narrative Page(s) - OK
010: Cover Page - OK
011: Volatiles Sample Results - OK
012: Volatiles Blank Report - OK
013: Volatiles LCS Report - OK
018: Cover Page - OK
020: Semivolatiles Blank Report - OK
021: Semivolatiles LCS Report - OK
100: Metals Sample Results - OK
101: Metals Blank Report - OK
102: Metals LCS Report - OK
104: Metals Matrix Spike Report - OK
105: Metals Duplicate Report - OK
118: Cover Page - OK
120: Wet Chemistry Sample Results - OK
125: Wet Chemistry Duplicate Report - OK
510: Container Report - OK
520: Glossary - OK
540: Reference Report - OK

No results found for sample L1305778-01 for product AG-TI
No results found for sample L1305778-01 for product AS-TI
No results found for sample L1305778-01 for product BA-TI
No results found for sample L1305778-01 for product BE-TI
No results found for sample L1305778-01 for product CU-TI
No results found for sample L1305778-01 for product NI-TI
No results found for sample L1305778-01 for product NYTCL-8270
No results found for sample L1305778-01 for product PB-TI
No results found for sample L1305778-01 for product SE-TI
No results found for sample L1305778-01 for product TCN-9010
No results found for sample L1305778-01 for product ZN-TI
No results found for sample L1305778-02 for product AG-TI
No results found for sample L1305778-02 for product AS-TI
No results found for sample L1305778-02 for product BA-TI
No results found for sample L1305778-02 for product BE-TI
No results found for sample L1305778-02 for product CU-TI
No results found for sample L1305778-02 for product NI-TI
No results found for sample L1305778-02 for product NYTCL-8270
No results found for sample L1305778-02 for product PB-TI
No results found for sample L1305778-02 for product SE-TI
No results found for sample L1305778-02 for product TCN-9010
No results found for sample L1305778-02 for product ZN-TI

ANALYTICAL REPORT

Lab Number:	L1305778
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/18/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305778
Report Date: 04/18/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305778-01	N006015	GLENS FALLS NEW YORK	04/03/13 11:05
L1305778-02	N010015	GLENS FALLS NEW YORK	04/03/13 10:50

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305778
Project Number: Not Specified **Report Date:** 04/18/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305778
Project Number:	Not Specified	**Report Date:**	04/18/13

Case Narrative (continued)

Report Submission

This partial report replaces the report issued on April 11, 2013. At the client's request, the samples were analyzed for Total Cadmium, Chromium and Mercury. A final report will be issued as soon as the results of all requested analyses become available.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L1305778-01: The internal standard (IS) responses for Chlorobenzene-d5 (38%) and 1,4-Dichlorobenzene-d4 (21%) were below the acceptance criteria; however, re-analysis achieved similar results for Chlorobenzene-d5 (47%) and 1,4-Dichlorobenzene-d4 (26%). The results of both analyses are reported.

Total Metals

The WG600448-3 Laboratory Duplicate RPD, performed on L1305778-01, is outside the acceptance criteria for Cadmium (106%). The elevated RPD has been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 04/18/13

ORGANICS

VOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305778

Project Number: Not Specified **Report Date:** 04/18/13

SAMPLE RESULTS

Lab ID:	L1305778-01	Date Collected:	04/03/13 11:05
Client ID:	N006015	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/07/13 13:48		
Analyst:	BN		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	2.6	0.63	1
Carbon tetrachloride	ND		ug/kg	1.7	0.36	1
Chlorobenzene	ND		ug/kg	1.7	0.59	1
1,2-Dichloroethane	ND		ug/kg	1.7	0.25	1
Benzene	ND		ug/kg	1.7	0.20	1
Toluene	ND		ug/kg	2.6	0.19	1
Ethylbenzene	ND		ug/kg	1.7	0.25	1
Chloromethane	ND		ug/kg	8.5	1.3	1
Vinyl chloride	ND		ug/kg	3.4	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	2.6	0.36	1
Trichloroethene	ND		ug/kg	1.7	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	8.5	0.31	1
1,3-Dichlorobenzene	ND		ug/kg	8.5	0.31	1
1,4-Dichlorobenzene	ND		ug/kg	8.5	0.41	1
cis-1,2-Dichloroethene	ND		ug/kg	1.7	0.26	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	124		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	126		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305778

Project Number: Not Specified **Report Date:** 04/18/13

SAMPLE RESULTS

Lab ID: L1305778-01 R
Client ID: N006015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/08/13 11:20
Analyst: BN
Percent Solids: 79%

Date Collected: 04/03/13 11:05
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	2.4	0.60	1
Carbon tetrachloride	ND		ug/kg	1.6	0.34	1
Chlorobenzene	ND		ug/kg	1.6	0.56	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.24	1
Benzene	ND		ug/kg	1.6	0.19	1
Toluene	ND		ug/kg	2.4	0.18	1
Ethylbenzene	ND		ug/kg	1.6	0.24	1
Chloromethane	ND		ug/kg	8.1	1.3	1
Vinyl chloride	ND		ug/kg	3.2	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	2.4	0.34	1
Trichloroethene	ND		ug/kg	1.6	0.25	1
1,2-Dichlorobenzene	ND		ug/kg	8.1	0.30	1
1,3-Dichlorobenzene	ND		ug/kg	8.1	0.30	1
1,4-Dichlorobenzene	ND		ug/kg	8.1	0.39	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.24	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	127		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	125		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305778

Project Number: Not Specified **Report Date:** 04/18/13

SAMPLE RESULTS

Lab ID:	L1305778-02	Date Collected:	04/03/13 10:50
Client ID:	N010015	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/07/13 14:16		
Analyst:	BN		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	0.29	J	ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.1	0.80	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	102		70-130

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305778
Report Date: 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/07/13 09:36
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG600105-3					
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.34	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Vinyl chloride	ND		ug/kg	2.0	0.14
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	101		70-130

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305778
Report Date: 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/08/13 10:24
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG600105-6					
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.27	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Vinyl chloride	ND		ug/kg	2.0	0.14
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305778

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600105-1 WG600105-2								
Methylene chloride	99		92		70-130	7		30
1,1-Dichloroethane	96		90		70-130	6		30
Chloroform	90		84		70-130	7		30
Carbon tetrachloride	94		85		70-130	10		30
1,2-Dichloropropane	94		88		70-130	7		30
Dibromochloromethane	91		87		70-130	4		30
2-Chloroethylvinyl ether	93		88			6		30
1,1,2-Trichloroethane	93		90		70-130	3		30
Tetrachloroethene	100		92		70-130	8		30
Chlorobenzene	94		89		70-130	5		30
Trichlorofluoromethane	92		82		70-139	11		30
1,2-Dichloroethane	79		77		70-130	3		30
1,1,1-Trichloroethane	91		83		70-130	9		30
Bromodichloromethane	86		83		70-130	4		30
trans-1,3-Dichloropropene	90		87		70-130	3		30
cis-1,3-Dichloropropene	89		86		70-130	3		30
1,1-Dichloropropene	96		88		70-130	9		30
Bromoform	86		85		70-130	1		30
1,1,2,2-Tetrachloroethane	91		91		70-130	0		30
Benzene	95		89		70-130	7		30
Toluene	96		89		70-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305778

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600105-1 WG600105-2								
Ethylbenzene	92		86		70-130	7		30
Chloromethane	128		114		52-130	12		30
Bromomethane	100		85		57-147	16		30
Vinyl chloride	123		109		67-130	12		30
Chloroethane	85		70		50-151	19		30
1,1-Dichloroethene	104		96		65-135	8		30
trans-1,2-Dichloroethene	98		90		70-130	9		30
Trichloroethene	94		87		70-130	8		30
1,2-Dichlorobenzene	93		89		70-130	4		30
1,3-Dichlorobenzene	95		90		70-130	5		30
1,4-Dichlorobenzene	94		90		70-130	4		30
Methyl tert butyl ether	85		84		66-130	1		30
p/m-Xylene	96		89		70-130	8		30
o-Xylene	93		88		70-130	6		30
cis-1,2-Dichloroethene	93		88		70-130	6		30
Dibromomethane	85		82		70-130	4		30
Styrene	90		85		70-130	6		30
Dichlorodifluoromethane	129		114		30-146	12		30
Acetone	104		89		54-140	16		30
Carbon disulfide	106		96		59-130	10		30
2-Butanone	90		83		70-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305778

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600105-1 WG600105-2								
Vinyl acetate	82		82		70-130	0		30
4-Methyl-2-pentanone	84		83		70-130	1		30
1,2,3-Trichloropropane	88		87		68-130	1		30
2-Hexanone	81		77		70-130	5		30
Bromochloromethane	95		90		70-130	5		30
2,2-Dichloropropane	91		83		70-130	9		30
1,2-Dibromoethane	89		88		70-130	1		30
1,3-Dichloropropane	91		88		69-130	3		30
1,1,1,2-Tetrachloroethane	91		87		70-130	4		30
Bromobenzene	93		89		70-130	4		30
n-Butylbenzene	96		88		70-130	9		30
sec-Butylbenzene	96		88		70-130	9		30
tert-Butylbenzene	95		88		70-130	8		30
o-Chlorotoluene	93		88		70-130	6		30
p-Chlorotoluene	93		87		70-130	7		30
1,2-Dibromo-3-chloropropane	80		77		68-130	4		30
Hexachlorobutadiene	104		96		67-130	8		30
Isopropylbenzene	93		87		70-130	7		30
p-Isopropyltoluene	94		88		70-130	7		30
Naphthalene	92		90		70-130	2		30
Acrylonitrile	97		97		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305778

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600105-1 WG600105-2								
Isopropyl Ether	92		89		66-130	3		30
tert-Butyl Alcohol	84		85		70-130	1		30
n-Propylbenzene	95		88		70-130	8		30
1,2,3-Trichlorobenzene	98		94		70-130	4		30
1,2,4-Trichlorobenzene	100		94		70-130	6		30
1,3,5-Trimethylbenzene	94		88		70-130	7		30
1,2,4-Trimethylbenzene	94		88		70-130	7		30
Methyl Acetate	91		91		70-130	0		30
Ethyl Acetate	87		86		70-130	1		30
Acrolein	81		81		70-130	0		30
Cyclohexane	111		102		70-130	8		30
1,4-Dioxane	101		102		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	112		100		70-130	11		30
1,4-Diethylbenzene	96		90		70-130	6		30
4-Ethyltoluene	96		90		70-130	6		30
1,2,4,5-Tetramethylbenzene	93		88		70-130	6		30
Tetrahydrofuran	91		91		66-130	0		30
Ethyl ether	80		77		67-130	4		30
trans-1,4-Dichloro-2-butene	82		83		70-130	1		30
Methyl cyclohexane	105		96		70-130	9		30
Ethyl-Tert-Butyl-Ether	87		84		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305778

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600105-1 WG600105-2								
Tertiary-Amyl Methyl Ether	84		82		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	86		88		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	94		95		70-130
Dibromofluoromethane	100		99		70-130

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG600105-4 WG600105-5								
Methylene chloride	96		90		70-130	6		30
1,1-Dichloroethane	92		86		70-130	7		30
Chloroform	86		81		70-130	6		30
Carbon tetrachloride	92		81		70-130	13		30
1,2-Dichloropropane	91		86		70-130	6		30
Dibromochloromethane	88		85		70-130	3		30
2-Chloroethylvinyl ether	91		86			6		30
1,1,2-Trichloroethane	91		86		70-130	6		30
Tetrachloroethene	98		87		70-130	12		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305778

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG600105-4 WG600105-5								
Chlorobenzene	91		86		70-130	6		30
Trichlorofluoromethane	87		76		70-139	13		30
1,2-Dichloroethane	76		74		70-130	3		30
1,1,1-Trichloroethane	88		79		70-130	11		30
Bromodichloromethane	82		80		70-130	2		30
trans-1,3-Dichloropropene	88		84		70-130	5		30
cis-1,3-Dichloropropene	87		83		70-130	5		30
1,1-Dichloropropene	93		82		70-130	13		30
Bromoform	83		83		70-130	0		30
1,1,2,2-Tetrachloroethane	88		87		70-130	1		30
Benzene	92		85		70-130	8		30
Toluene	93		84		70-130	10		30
Ethylbenzene	90		82		70-130	9		30
Chloromethane	120		111		52-130	8		30
Bromomethane	92		87		57-147	6		30
Vinyl chloride	116		100		67-130	15		30
Chloroethane	76		70		50-151	8		30
1,1-Dichloroethene	102		90		65-135	13		30
trans-1,2-Dichloroethene	95		86		70-130	10		30
Trichloroethene	91		82		70-130	10		30
1,2-Dichlorobenzene	88		86		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305778

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG600105-4 WG600105-5								
1,3-Dichlorobenzene	91		86		70-130	6		30
1,4-Dichlorobenzene	91		87		70-130	4		30
Methyl tert butyl ether	82		81		66-130	1		30
p/m-Xylene	93		85		70-130	9		30
o-Xylene	89		84		70-130	6		30
cis-1,2-Dichloroethene	90		85		70-130	6		30
Dibromomethane	83		80		70-130	4		30
Styrene	88		82		70-130	7		30
Dichlorodifluoromethane	116		99		30-146	16		30
Acetone	133		95		54-140	**33**	Q	30
Carbon disulfide	103		90		59-130	13		30
2-Butanone	105		85		70-130	21		30
Vinyl acetate	81		80		70-130	1		30
4-Methyl-2-pentanone	83		82		70-130	1		30
1,2,3-Trichloropropane	83		83		68-130	0		30
2-Hexanone	88		78		70-130	12		30
Bromochloromethane	92		88		70-130	4		30
2,2-Dichloropropane	88		79		70-130	11		30
1,2-Dibromoethane	87		85		70-130	2		30
1,3-Dichloropropane	88		86		69-130	2		30
1,1,1,2-Tetrachloroethane	90		84		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305778

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG600105-4 WG600105-5								
Bromobenzene	89		86		70-130	3		30
n-Butylbenzene	92		83		70-130	10		30
sec-Butylbenzene	92		84		70-130	9		30
tert-Butylbenzene	91		83		70-130	9		30
o-Chlorotoluene	87		84		70-130	4		30
p-Chlorotoluene	89		85		70-130	5		30
1,2-Dibromo-3-chloropropane	72		73		68-130	1		30
Hexachlorobutadiene	99		91		67-130	8		30
Isopropylbenzene	89		82		70-130	8		30
p-Isopropyltoluene	91		83		70-130	9		30
Naphthalene	87		87		70-130	0		30
Acrylonitrile	96		94		70-130	2		30
Isopropyl Ether	89		86		66-130	3		30
tert-Butyl Alcohol	83		82		70-130	1		30
n-Propylbenzene	90		84		70-130	7		30
1,2,3-Trichlorobenzene	93		91		70-130	2		30
1,2,4-Trichlorobenzene	95		92		70-130	3		30
1,3,5-Trimethylbenzene	90		84		70-130	7		30
1,2,4-Trimethylbenzene	90		84		70-130	7		30
Methyl Acetate	89		89		70-130	0		30
Ethyl Acetate	84		81		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305778

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG600105-4 WG600105-5								
Acrolein	78		76		70-130	3		30
Cyclohexane	108		94		70-130	14		30
1,4-Dioxane	94		92		65-136	2		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	109		93		70-130	16		30
1,4-Diethylbenzene	92		85		70-130	8		30
4-Ethyltoluene	92		85		70-130	8		30
1,2,4,5-Tetramethylbenzene	89		85		70-130	5		30
Tetrahydrofuran	89		88		66-130	1		30
Ethyl ether	76		73		67-130	4		30
trans-1,4-Dichloro-2-butene	80		78		70-130	3		30
Methyl cyclohexane	101		88		70-130	14		30
Ethyl-Tert-Butyl-Ether	84		82		70-130	2		30
Tertiary-Amyl Methyl Ether	82		80		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	85		85		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	99		98		70-130

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305778
Report Date: 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/09/13 22:17
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 04/08/13 12:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG600231-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	50	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	50	17.
Benzo(k)fluoranthene	ND		ug/kg	50	16.
Chrysene	ND		ug/kg	50	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	50	16.
Dibenzo(a,h)anthracene	ND		ug/kg	50	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	50		30-120
2,4,6-Tribromophenol	52		0-136
4-Terphenyl-d14	57		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305778

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG600231-2 WG600231-3								
Acenaphthene	68		75		31-137	10		50
1,2,4-Trichlorobenzene	52		67		38-107	25		50
Hexachlorobenzene	68		72		40-140	6		50
Bis(2-chloroethyl)ether	60		77		40-140	25		50
2-Chloronaphthalene	62		73		40-140	16		50
1,2-Dichlorobenzene	55		73		40-140	28		50
1,3-Dichlorobenzene	54		70		40-140	26		50
1,4-Dichlorobenzene	55		70		28-104	24		50
3,3'-Dichlorobenzidine	57		53		40-140	7		50
2,4-Dinitrotoluene	76		78		28-89	3		50
2,6-Dinitrotoluene	69		73		40-140	6		50
Fluoranthene	72		76		40-140	5		50
4-Chlorophenyl phenyl ether	68		72		40-140	6		50
4-Bromophenyl phenyl ether	68		69		40-140	1		50
Bis(2-chloroisopropyl)ether	68		85		40-140	22		50
Bis(2-chloroethoxy)methane	67		82		40-117	20		50
Hexachlorobutadiene	54		70		40-140	26		50
Hexachlorocyclopentadiene	47		62		40-140	28		50
Hexachloroethane	62		79		40-140	24		50
Isophorone	66		79		40-140	18		50
Naphthalene	57		72		40-140	23		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305778

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG600231-2 WG600231-3								
Nitrobenzene	61		78		40-140	24		50
NitrosoDiPhenylAmine(NDPA)/DPA	72		75			4		50
n-Nitrosodi-n-propylamine	69		85		32-121	21		50
Bis(2-Ethylhexyl)phthalate	93		97		40-140	4		50
Butyl benzyl phthalate	80		83		40-140	4		50
Di-n-butylphthalate	83		87		40-140	5		50
Di-n-octylphthalate	92		95		40-140	3		50
Diethyl phthalate	80		83		40-140	4		50
Dimethyl phthalate	76		79		40-140	4		50
Benzo(a)anthracene	77		80		40-140	4		50
Benzo(a)pyrene	78		81		40-140	4		50
Benzo(b)fluoranthene	74		78		40-140	5		50
Benzo(k)fluoranthene	79		82		40-140	4		50
Chrysene	79		82		40-140	4		50
Acenaphthylene	63		70		40-140	11		50
Anthracene	77		81		40-140	5		50
Benzo(ghi)perylene	78		82		40-140	5		50
Fluorene	71		76		40-140	7		50
Phenanthrene	75		80		40-140	6		50
Dibenzo(a,h)anthracene	78		82		40-140	5		50
Indeno(1,2,3-cd)Pyrene	74		78		40-140	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305778

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG600231-2 WG600231-3								
Pyrene	72		74		35-142	3		50
Biphenyl	69		79			14		50
4-Chloroaniline	46		59		40-140	25		50
2-Nitroaniline	73		77		47-134	5		50
3-Nitroaniline	46		41		26-129	11		50
4-Nitroaniline	77		78		41-125	1		50
Dibenzofuran	68		75		40-140	10		50
2-Methylnaphthalene	55		65		40-140	17		50
1,2,4,5-Tetrachlorobenzene	66		79		40-117	18		50
Acetophenone	69		86		14-144	22		50
2,4,6-Trichlorophenol	66		71		30-130	7		50
P-Chloro-M-Cresol	77		84		26-103	9		50
2-Chlorophenol	64		82		25-102	25		50
2,4-Dichlorophenol	66		79		30-130	18		50
2,4-Dimethylphenol	70		84		30-130	18		50
2-Nitrophenol	63		77		30-130	20		50
4-Nitrophenol	51		45		11-114	13		50
2,4-Dinitrophenol	32		37		4-130	14		50
4,6-Dinitro-o-cresol	70		73		10-130	4		50
Pentachlorophenol	65		69		17-109	6		50
Phenol	69		86		26-90	22		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305778

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG600231-2 WG600231-3								
2-Methylphenol	68		85		30-130.	22		50
3-Methylphenol/4-Methylphenol	70		87		30-130	22		50
2,4,5-Trichlorophenol	70		73		30-130	4		50
Benzoic Acid	0		0			NC		50
Benzyl Alcohol	71		90		40-140	24		50
Carbazole	75		80		54-128	6		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	66		80		25-120
Phenol-d6	69		83		10-120
Nitrobenzene-d5	64		77		23-120
2-Fluorobiphenyl	58		65		30-120
2,4,6-Tribromophenol	71		73		0-136
4-Terphenyl-d14	59		59		18-120

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305778
Project Number: Not Specified
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305778-01
Client ID: N006015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 79%

Date Collected: 04/03/13 11:05
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	2.9		mg/kg	0.48	0.03	1	04/09/13 10:23	04/09/13 22:17	EPA 3050B	1,6010C	MS
Chromium, Total	16		mg/kg	0.48	0.10	1	04/09/13 10:23	04/09/13 22:17	EPA 3050B	1,6010C	MS
Mercury, Total	0.14		mg/kg	0.08	0.02	1	04/10/13 11:33	04/10/13 15:47	EPA 7471B	1,7471B	MC

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305778
Project Number: Not Specified
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305778-02
Client ID: N010015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 89%

Date Collected: 04/03/13 10:50
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	2.8		mg/kg	0.43	0.03	1	04/09/13 10:23	04/09/13 22:44	EPA 3050B	1,6010C	MS
Chromium, Total	14		mg/kg	0.43	0.09	1	04/09/13 10:23	04/09/13 22:44	EPA 3050B	1,6010C	MS
Mercury, Total	0.17		mg/kg	0.09	0.02	1	04/10/13 11:33	04/10/13 15:48	EPA 7471B	1,7471B	MC

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305778

Project Number: Not Specified **Report Date:** 04/18/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG600448-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Barium, Total	ND		mg/kg	0.40	0.12	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Copper, Total	ND		mg/kg	0.40	0.20	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Lead, Total	ND		mg/kg	2.0	0.12	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Silver, Total	ND		mg/kg	0.40	0.08	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS
Zinc, Total	ND		mg/kg	2.0	0.20	1	04/09/13 10:23	04/09/13 22:38	1,6010C	MS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG600660-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/10/13 11:33	04/10/13 15:12	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305778

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG600448-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	104		-		83-118	-		
Beryllium, Total	104		-		83-117	-		
Cadmium, Total	98		-		82-117	-		
Chromium, Total	101		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	103		-		80-120	-		
Nickel, Total	104		-		82-117	-		
Selenium, Total	106		-		80-120	-		
Silver, Total	100		-		66-134	-		
Zinc, Total	106		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG600660-2 SRM Lot Number: 0518-10-02								
Mercury, Total	111		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305778
Report Date: 04/18/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600448-4 QC Sample: L1305778-01 Client ID: N006015												
Arsenic, Total	0.44J	11.5	12	104		-	-		75-125	-		35
Barium, Total	16.	191	200	96		-	-		75-125	-		35
Beryllium, Total	0.16J	4.78	5.0	104		-	-		75-125	-		35
Cadmium, Total	2.9	4.88	46	88		-	-		75-125	-		35
Chromium, Total	16.	19.1	32	84		-	-		75-125	-		35
Copper, Total	8.7	23.9	31	93		-	-		75-125	-		35
Lead, Total	7.3	48.8	53	94		-	-		75-125	-		35
Nickel, Total	12.	47.8	56	92		-	-		75-125	-		35
Selenium, Total	ND	11.5	12	104		-	-		75-125	-		35
Silver, Total	ND	28.7	30	104		-	-		75-125	-		35
Zinc, Total	31.	47.8	60	**61**	Q	-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600660-4 QC Sample: L1305746-01 Client ID: MS Sample												
Mercury, Total	ND	0.17	0.20	118		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305778
Report Date: 04/18/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600448-3 QC Sample: L1305778-01 Client ID: N006015						
Cadmium, Total	2.9	0.89	mg/kg	**106**	Q	35
Chromium, Total	16.	13	mg/kg	21		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600660-3 QC Sample: L1305746-01 Client ID: DUP Sample						
Mercury, Total	ND	0.02J	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305778
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305778-01
Client ID: N006015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/03/13 11:05
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.1		%	0.100	NA	1	-	04/04/13 19:26	30,2540G	RD

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305778
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305778-02
Client ID: N010015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/03/13 10:50
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.6		%	0.100	NA	1	-	04/04/13 19:26	30,2540G	RD

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305778
Report Date: 04/18/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599644-1 QC Sample: L1305687-01 Client ID: DUP Sample						
Solids, Total	84.5	83.8	%	1		20

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305778
Report Date: 04/18/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 04/04/2013 13:24

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305778-01A	Vial MeOH preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305778-01B	Vial water preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305778-01C	Vial water preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305778-01D	Amber 100ml unpreserved	A	N/A	3.5	Y	Absent	TS(7)
L1305778-01E	Amber 120ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305778-01F	Amber 250ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305778-02A	Vial MeOH preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305778-02B	Vial water preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305778-02C	Vial water preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305778-02D	Amber 100ml unpreserved	A	N/A	3.5	Y	Absent	TS(7)
L1305778-02E	Amber 120ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305778
Report Date: 04/18/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305778-02F	Amber 250ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305778
Project Number:	Not Specified	**Report Date:**	04/18/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305778
Project Number:	Not Specified	**Report Date:**	04/18/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305778
Project Number:	Not Specified	**Report Date:**	04/18/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL — World Class Chemistry

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/4/13
ALPHA Job #: L1305778

Client Information

Client: AMO Environmental Decisions
Address: 4327 Pt Pleasant Pk (PO Box 410)
Danboro, PA 18916
Phone: 215-230-8282
Fax: 215-230-8283
Email: pmalmquist@amoed.com
☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: BASF Glens Falls New York
Project Location: Glens Falls New York
Project #:
Project Manager: P. Malmquist
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)
Due Date: Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Detection limits to meet NYSDEC Part 375 Requirements (Unrestricted)
Find %Moisture of each aliquot and calculate average for use as %Moisture of associated composite sample

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs-See attached list	Hexavalent Chromium-Hold	Cyanide-Hold	Metals-See attached list-Hold	PCBs-Hold	SVOCs-See atached list-Hold							Sample Specific Comments	TOTAL # BOTTLES
05778.1	N006015	4/3	1105	S	[initials]	☒	☒	☒	☒	☐	☒	☐	☐	☐	☐	☐	☐		
.2	N010015	4/3	1050	S	[initials]	☒	☒	☒	☒	☐	☒	☐	☐	☐	☐	☐	☐		

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

Container Type	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/3 1600	Kyle Cunningham	4/3/13 1600
Kyle Cunningham		[signature]	4/3/13 2304
[signature]	4/4/13 0050	[signature]	4/4/13 0050

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 5-JAN-12)

ANALYTICAL REPORT

Lab Number:	L1305776
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/11/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305776
Report Date: 04/11/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305776-01	N002N003	GLENS FALLS NEW YORK	04/03/13 10:00

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305776
Project Number: Not Specified **Report Date:** 04/11/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305776
Project Number:	Not Specified	**Report Date:**	04/11/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 04/11/13

ORGANICS

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305776

Project Number: Not Specified **Report Date:** 04/11/13

SAMPLE RESULTS

Lab ID:	L1305776-01	Date Collected:	04/03/13 10:00
Client ID:	N002N003	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/08/13 12:41
Analytical Date:	04/10/13 13:28		
Analyst:	RC		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	54.	1
Dimethyl phthalate	ND		ug/kg	210	52.	1
Benzo(a)anthracene	110	J	ug/kg	120	40.	1
Benzo(a)pyrene	100	J	ug/kg	160	50.	1
Benzo(b)fluoranthene	150		ug/kg	120	42.	1
Benzo(k)fluoranthene	54	J	ug/kg	120	39.	1
Chrysene	140		ug/kg	120	40.	1
Fluorene	ND		ug/kg	210	59.	1
Phenanthrene	160		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	40.	1
Indeno(1,2,3-cd)pyrene	72	J	ug/kg	160	46.	1
2-Chlorophenol	ND		ug/kg	210	62.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	210	61.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	68.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	113		25-120
Phenol-d6	111		10-120
Nitrobenzene-d5	114		23-120
2-Fluorobiphenyl	118		30-120
2,4,6-Tribromophenol	**183**	Q	0-136
4-Terphenyl-d14	**129**	Q	18-120

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305776
Report Date: 04/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/09/13 22:17
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 04/08/13 12:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG600231-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	50	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	50	17.
Benzo(k)fluoranthene	ND		ug/kg	50	16.
Chrysene	ND		ug/kg	50	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	50	16.
Dibenzo(a,h)anthracene	ND		ug/kg	50	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	50		30-120
2,4,6-Tribromophenol	52		0-136
4-Terphenyl-d14	57		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305776

Report Date: 04/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG600231-2 WG600231-3								
Acenaphthene	68		75		31-137	10		50
1,2,4-Trichlorobenzene	52		67		38-107	25		50
Hexachlorobenzene	68		72		40-140	6		50
Bis(2-chloroethyl)ether	60		77		40-140	25		50
2-Chloronaphthalene	62		73		40-140	16		50
1,2-Dichlorobenzene	55		73		40-140	28		50
1,3-Dichlorobenzene	54		70		40-140	26		50
1,4-Dichlorobenzene	55		70		28-104	24		50
3,3'-Dichlorobenzidine	57		53		40-140	7		50
2,4-Dinitrotoluene	76		78		28-89	3		50
2,6-Dinitrotoluene	69		73		40-140	6		50
Fluoranthene	72		76		40-140	5		50
4-Chlorophenyl phenyl ether	68		72		40-140	6		50
4-Bromophenyl phenyl ether	68		69		40-140	1		50
Bis(2-chloroisopropyl)ether	68		85		40-140	22		50
Bis(2-chloroethoxy)methane	67		82		40-117	20		50
Hexachlorobutadiene	54		70		40-140	26		50
Hexachlorocyclopentadiene	47		62		40-140	28		50
Hexachloroethane	62		79		40-140	24		50
Isophorone	66		79		40-140	18		50
Naphthalene	57		72		40-140	23		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305776
Report Date: 04/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG600231-2 WG600231-3								
Nitrobenzene	61		78		40-140	24		50
NitrosoDiPhenylAmine(NDPA)/DPA	72		75			4		50
n-Nitrosodi-n-propylamine	69		85		32-121	21		50
Bis(2-Ethylhexyl)phthalate	93		97		40-140	4		50
Butyl benzyl phthalate	80		83		40-140	4		50
Di-n-butylphthalate	83		87		40-140	5		50
Di-n-octylphthalate	92		95		40-140	3		50
Diethyl phthalate	80		83		40-140	4		50
Dimethyl phthalate	76		79		40-140	4		50
Benzo(a)anthracene	77		80		40-140	4		50
Benzo(a)pyrene	78		81		40-140	4		50
Benzo(b)fluoranthene	74		78		40-140	5		50
Benzo(k)fluoranthene	79		82		40-140	4		50
Chrysene	79		82		40-140	4		50
Acenaphthylene	63		70		40-140	11		50
Anthracene	77		81		40-140	5		50
Benzo(ghi)perylene	78		82		40-140	5		50
Fluorene	71		76		40-140	7		50
Phenanthrene	75		80		40-140	6		50
Dibenzo(a,h)anthracene	78		82		40-140	5		50
Indeno(1,2,3-cd)Pyrene	74		78		40-140	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305776

Report Date: 04/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG600231-2 WG600231-3								
Pyrene	72		74		35-142	3		50
Biphenyl	69		79			14		50
4-Chloroaniline	46		59		40-140	25		50
2-Nitroaniline	73		77		47-134	5		50
3-Nitroaniline	46		41		26-129	11		50
4-Nitroaniline	77		78		41-125	1		50
Dibenzofuran	68		75		40-140	10		50
2-Methylnaphthalene	55		65		40-140	17		50
1,2,4,5-Tetrachlorobenzene	66		79		40-117	18		50
Acetophenone	69		86		14-144	22		50
2,4,6-Trichlorophenol	66		71		30-130	7		50
P-Chloro-M-Cresol	77		84		26-103	9		50
2-Chlorophenol	64		82		25-102	25		50
2,4-Dichlorophenol	66		79		30-130	18		50
2,4-Dimethylphenol	70		84		30-130	18		50
2-Nitrophenol	63		77		30-130	20		50
4-Nitrophenol	51		45		11-114	13		50
2,4-Dinitrophenol	32		37		4-130	14		50
4,6-Dinitro-o-cresol	70		73		10-130	4		50
Pentachlorophenol	65		69		17-109	6		50
Phenol	69		86		26-90	22		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305776

Report Date: 04/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG600231-2 WG600231-3								
2-Methylphenol	68		85		30-130.	22		50
3-Methylphenol/4-Methylphenol	70		87		30-130	22		50
2,4,5-Trichlorophenol	70		73		30-130	4		50
Benzoic Acid	0		0			NC		50
Benzyl Alcohol	71		90		40-140	24		50
Carbazole	75		80		54-128	6		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	66		80		25-120
Phenol-d6	69		83		10-120
Nitrobenzene-d5	64		77		23-120
2-Fluorobiphenyl	58		65		30-120
2,4,6-Tribromophenol	71		73		0-136
4-Terphenyl-d14	59		59		18-120

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305776
Project Number: Not Specified
Report Date: 04/11/13

SAMPLE RESULTS

Lab ID: L1305776-01
Client ID: N002N003
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 79%

Date Collected: 04/03/13 10:00
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	4.6		mg/kg	0.48	0.14	2	04/09/13 09:01	04/10/13 18:06	EPA 3050B	1,6010C	MS
Barium, Total	78		mg/kg	0.48	0.14	2	04/09/13 09:01	04/10/13 18:06	EPA 3050B	1,6010C	MS
Beryllium, Total	0.45		mg/kg	0.24	0.02	2	04/09/13 09:01	04/10/13 18:06	EPA 3050B	1,6010C	MS
Cadmium, Total	8.8		mg/kg	0.48	0.03	2	04/09/13 09:01	04/10/13 18:06	EPA 3050B	1,6010C	MS
Chromium, Total	340		mg/kg	0.48	0.10	2	04/09/13 09:01	04/10/13 18:06	EPA 3050B	1,6010C	MS
Copper, Total	23		mg/kg	0.48	0.24	2	04/09/13 09:01	04/10/13 18:06	EPA 3050B	1,6010C	MS
Lead, Total	170		mg/kg	2.4	0.14	2	04/09/13 09:01	04/10/13 18:06	EPA 3050B	1,6010C	MS
Mercury, Total	0.49		mg/kg	0.09	0.02	2	04/10/13 11:33	04/10/13 15:45	EPA 7471B	1,7471B	MC
Nickel, Total	17		mg/kg	1.2	0.19	2	04/09/13 09:01	04/10/13 18:06	EPA 3050B	1,6010C	MS
Selenium, Total	0.93	J	mg/kg	0.95	0.14	2	04/09/13 09:01	04/10/13 18:06	EPA 3050B	1,6010C	MS
Silver, Total	0.12	J	mg/kg	0.48	0.10	2	04/09/13 09:01	04/10/13 18:06	EPA 3050B	1,6010C	MS
Zinc, Total	78		mg/kg	2.4	0.24	2	04/09/13 09:01	04/10/13 18:06	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305776

Project Number: Not Specified **Report Date:** 04/11/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG600405-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Barium, Total	ND		mg/kg	0.40	0.12	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Copper, Total	ND		mg/kg	0.40	0.20	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Lead, Total	0.13	J	mg/kg	2.0	0.12	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Silver, Total	ND		mg/kg	0.40	0.08	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Zinc, Total	ND		mg/kg	2.0	0.20	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG600660-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/10/13 11:33	04/10/13 15:12	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305776

Report Date: 04/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG600405-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	104		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	98		-		82-117	-		
Chromium, Total	101		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	104		-		80-120	-		
Nickel, Total	104		-		82-117	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	100		-		66-134	-		
Zinc, Total	106		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG600660-2 SRM Lot Number: 0518-10-02								
Mercury, Total	111		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305776
Report Date: 04/11/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600405-4 QC Sample: L1305685-01 Client ID: MS Sample												
Arsenic, Total	2.3	11.1	14	106		-	-		75-125	-		35
Barium, Total	28.	185	210	98		-	-		75-125	-		35
Beryllium, Total	0.30	4.62	4.9	100		-	-		75-125	-		35
Cadmium, Total	ND	47.1	42	89		-	-		75-125	-		35
Chromium, Total	9.0	18.5	27	97		-	-		75-125	-		35
Copper, Total	14.	23.1	38	104		-	-		75-125	-		35
Lead, Total	6.5	47.1	55	103		-	-		75-125	-		35
Nickel, Total	8.9	46.2	53	96		-	-		75-125	-		35
Selenium, Total	0.75J	11.1	12	108		-	-		75-125	-		35
Silver, Total	ND	27.7	30	108		-	-		75-125	-		35
Zinc, Total	24.	46.2	70	100		-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600660-4 QC Sample: L1305746-01 Client ID: MS Sample												
Mercury, Total	ND	0.17	0.20	118		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305776
Report Date: 04/11/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600405-3 QC Sample: L1305685-01 Client ID: DUP Sample						
Arsenic, Total	2.3	2.2	mg/kg	4		35
Barium, Total	28.	25	mg/kg	11		35
Beryllium, Total	0.30	0.30	mg/kg	0		35
Cadmium, Total	ND	ND	mg/kg	NC		35
Chromium, Total	9.0	9.5	mg/kg	5		35
Copper, Total	14.	16	mg/kg	13		35
Lead, Total	6.5	6.2	mg/kg	5		35
Nickel, Total	8.9	8.8	mg/kg	1		35
Selenium, Total	0.75J	0.60J	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Zinc, Total	24.	25	mg/kg	4		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600660-3 QC Sample: L1305746-01 Client ID: DUP Sample						
Mercury, Total	ND	0.02J	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305776
Report Date: 04/11/13

SAMPLE RESULTS

Lab ID: L1305776-01
Client ID: N002N003
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/03/13 10:00
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.7		%	0.100	NA	1	-	04/04/13 19:26	30,2540G	RD
Cyanide, Total	ND		mg/kg	1.2	0.28	2	04/08/13 14:00	04/09/13 13:37	1,9010C/9012A	DE

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305776
Project Number: Not Specified
Report Date: 04/11/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG600310-1										
Cyanide, Total	ND		mg/kg	0.89	0.21	1	04/08/13 14:00	04/09/13 13:06	1,9010C/9012A	DE

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305776

Report Date: 04/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG600310-4 WG600310-5								
Cyanide, Total	113		115		80-120	2		35

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305776
Report Date: 04/11/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600310-3 WG600310-2 QC Sample: L1305478-18 Client ID: MS Sample												
Cyanide, Total	ND	13	13	100		15	110		65-135	14		35

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305776
Project Number:	Not Specified	**Report Date:**	04/11/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305776
Project Number:	Not Specified	**Report Date:**	04/11/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305776
Project Number:	Not Specified	**Report Date:**	04/11/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
World Class Chemistry

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/4/13

ALPHA Job #: L1305776

Client Information

Client: AMO Environmental Decisions
Address: 4327 Pt Pleasant Pk (PO Box 410)
Danboro, PA 18916
Phone: 215-230-8282
Fax: 215-230-8283
Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: BASF Glens Falls New York
Project Location: Glens Falls New York
Project #:
Project Manager: P. Malmquist
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

Report Information — Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program: NYSDEC
Criteria: See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Extract/Digest Sample N002015 and Sample N003015.
Composite and analyze Extract/Digestate as Sample inidicated below.
Detection limits to meet NYSDEC Part 375 Requirements (0.5 x Unrestricted)
Use average of associated aliquot %Moisture for result calculations

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cyanide	Metals-See attached list (no Cr6+)	NYSPCBs	SVOCs-See atached list	Sample Specific Comments
05776.1	W002 N003	4/3	1000	S		☒	☒	☒	☒	
						☐	☐	☐	☐	
						☐	☐	☐	☐	
						☐	☐	☐	☐	
						☐	☐	☐	☐	
						☐	☐	☐	☐	
						☐	☐	☐	☐	
						☐	☐	☐	☐	
						☐	☐	☐	☐	
						☐	☐	☐	☐	
						☐	☐	☐	☐	
Container Type						-	-	-	-	
Preservative						-	-	-	-	

Relinquished By:	Date/Time	Received By:	Date/Time
	4/3 1600		4-3-13 1600
	4/3/13 2200		4/3/13 2200
	4/4/13 0050		4/4/13 0050

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ)
(rev. 5-JAN-12)

ANALYTICAL REPORT

Lab Number:	L1305774
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/26/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305774
Report Date: 04/26/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305774-01	N002015	GLENS FALLS NEW YORK	04/03/13 09:00
L1305774-02	N003015	GLENS FALLS NEW YORK	04/03/13 10:00

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305774
Project Number: Not Specified **Report Date:** 04/26/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305774
Project Number:	Not Specified	**Report Date:**	04/26/13

Case Narrative (continued)

Report Submission

This final report replaces the report issued on April 18, 2013, and includes all the requested analyses, including the Hexavalent Chromium on sample "N002015".

The previously issued partial report replaced the report issued on April 11, 2013. At the client's request, the samples were analyzed for Total Cadmium, Chromium, Lead, Mercury, Nickel and Zinc.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 04/26/13

ORGANICS

VOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305774

Project Number: Not Specified **Report Date:** 04/26/13

SAMPLE RESULTS

Lab ID:	L1305774-01	Date Collected:	04/03/13 09:00
Client ID:	N002015	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/07/13 12:52		
Analyst:	BN		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	2.1	0.51	1
Carbon tetrachloride	ND		ug/kg	1.4	0.29	1
Chlorobenzene	ND		ug/kg	1.4	0.48	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.20	1
Benzene	ND		ug/kg	1.4	0.16	1
Toluene	1.5	J	ug/kg	2.1	0.15	1
Ethylbenzene	ND		ug/kg	1.4	0.20	1
Chloromethane	ND		ug/kg	6.9	1.1	1
Vinyl chloride	ND		ug/kg	2.8	0.19	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.29	1
Trichloroethene	ND		ug/kg	1.4	0.21	1
1,2-Dichlorobenzene	ND		ug/kg	6.9	0.25	1
1,3-Dichlorobenzene	ND		ug/kg	6.9	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	6.9	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	102		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305774

Project Number: Not Specified **Report Date:** 04/26/13

SAMPLE RESULTS

Lab ID:	L1305774-02	Date Collected:	04/03/13 10:00
Client ID:	N003015	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/07/13 13:20		
Analyst:	BN		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	2.4	0.60	1
Carbon tetrachloride	ND		ug/kg	1.6	0.34	1
Chlorobenzene	ND		ug/kg	1.6	0.57	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.24	1
Benzene	ND		ug/kg	1.6	0.19	1
Toluene	ND		ug/kg	2.4	0.18	1
Ethylbenzene	ND		ug/kg	1.6	0.24	1
Chloromethane	ND		ug/kg	8.2	1.3	1
Vinyl chloride	ND		ug/kg	3.3	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	2.4	0.34	1
Trichloroethene	ND		ug/kg	1.6	0.25	1
1,2-Dichlorobenzene	ND		ug/kg	8.2	0.30	1
1,3-Dichlorobenzene	ND		ug/kg	8.2	0.30	1
1,4-Dichlorobenzene	ND		ug/kg	8.2	0.39	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.24	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	103		70-130

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305774
Report Date: 04/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/07/13 09:36
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG600105-3					
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.34	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Vinyl chloride	ND		ug/kg	2.0	0.14
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305774

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600105-1 WG600105-2								
Methylene chloride	99		92		70-130	7		30
1,1-Dichloroethane	96		90		70-130	6		30
Chloroform	90		84		70-130	7		30
Carbon tetrachloride	94		85		70-130	10		30
1,2-Dichloropropane	94		88		70-130	7		30
Dibromochloromethane	91		87		70-130	4		30
2-Chloroethylvinyl ether	93		88			6		30
1,1,2-Trichloroethane	93		90		70-130	3		30
Tetrachloroethene	100		92		70-130	8		30
Chlorobenzene	94		89		70-130	5		30
Trichlorofluoromethane	92		82		70-139	11		30
1,2-Dichloroethane	79		77		70-130	3		30
1,1,1-Trichloroethane	91		83		70-130	9		30
Bromodichloromethane	86		83		70-130	4		30
trans-1,3-Dichloropropene	90		87		70-130	3		30
cis-1,3-Dichloropropene	89		86		70-130	3		30
1,1-Dichloropropene	96		88		70-130	9		30
Bromoform	86		85		70-130	1		30
1,1,2,2-Tetrachloroethane	91		91		70-130	0		30
Benzene	95		89		70-130	7		30
Toluene	96		89		70-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305774

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600105-1 WG600105-2								
Ethylbenzene	92		86		70-130	7		30
Chloromethane	128		114		52-130	12		30
Bromomethane	100		85		57-147	16		30
Vinyl chloride	123		109		67-130	12		30
Chloroethane	85		70		50-151	19		30
1,1-Dichloroethene	104		96		65-135	8		30
trans-1,2-Dichloroethene	98		90		70-130	9		30
Trichloroethene	94		87		70-130	8		30
1,2-Dichlorobenzene	93		89		70-130	4		30
1,3-Dichlorobenzene	95		90		70-130	5		30
1,4-Dichlorobenzene	94		90		70-130	4		30
Methyl tert butyl ether	85		84		66-130	1		30
p/m-Xylene	96		89		70-130	8		30
o-Xylene	93		88		70-130	6		30
cis-1,2-Dichloroethene	93		88		70-130	6		30
Dibromomethane	85		82		70-130	4		30
Styrene	90		85		70-130	6		30
Dichlorodifluoromethane	129		114		30-146	12		30
Acetone	104		89		54-140	16		30
Carbon disulfide	106		96		59-130	10		30
2-Butanone	90		83		70-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305774

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600105-1 WG600105-2								
Vinyl acetate	82		82		70-130	0		30
4-Methyl-2-pentanone	84		83		70-130	1		30
1,2,3-Trichloropropane	88		87		68-130	1		30
2-Hexanone	81		77		70-130	5		30
Bromochloromethane	95		90		70-130	5		30
2,2-Dichloropropane	91		83		70-130	9		30
1,2-Dibromoethane	89		88		70-130	1		30
1,3-Dichloropropane	91		88		69-130	3		30
1,1,1,2-Tetrachloroethane	91		87		70-130	4		30
Bromobenzene	93		89		70-130	4		30
n-Butylbenzene	96		88		70-130	9		30
sec-Butylbenzene	96		88		70-130	9		30
tert-Butylbenzene	95		88		70-130	8		30
o-Chlorotoluene	93		88		70-130	6		30
p-Chlorotoluene	93		87		70-130	7		30
1,2-Dibromo-3-chloropropane	80		77		68-130	4		30
Hexachlorobutadiene	104		96		67-130	8		30
Isopropylbenzene	93		87		70-130	7		30
p-Isopropyltoluene	94		88		70-130	7		30
Naphthalene	92		90		70-130	2		30
Acrylonitrile	97		97		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305774

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600105-1 WG600105-2								
Isopropyl Ether	92		89		66-130	3		30
tert-Butyl Alcohol	84		85		70-130	1		30
n-Propylbenzene	95		88		70-130	8		30
1,2,3-Trichlorobenzene	98		94		70-130	4		30
1,2,4-Trichlorobenzene	100		94		70-130	6		30
1,3,5-Trimethylbenzene	94		88		70-130	7		30
1,2,4-Trimethylbenzene	94		88		70-130	7		30
Methyl Acetate	91		91		70-130	0		30
Ethyl Acetate	87		86		70-130	1		30
Acrolein	81		81		70-130	0		30
Cyclohexane	111		102		70-130	8		30
1,4-Dioxane	101		102		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	112		100		70-130	11		30
1,4-Diethylbenzene	96		90		70-130	6		30
4-Ethyltoluene	96		90		70-130	6		30
1,2,4,5-Tetramethylbenzene	93		88		70-130	6		30
Tetrahydrofuran	91		91		66-130	0		30
Ethyl ether	80		77		67-130	4		30
trans-1,4-Dichloro-2-butene	82		83		70-130	1		30
Methyl cyclohexane	105		96		70-130	9		30
Ethyl-Tert-Butyl-Ether	87		84		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305774

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600105-1 WG600105-2								
Tertiary-Amyl Methyl Ether	84		82		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	86		88		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	94		95		70-130
Dibromofluoromethane	100		99		70-130

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305774
Project Number: Not Specified
Report Date: 04/26/13

SAMPLE RESULTS

Lab ID: L1305774-01
Client ID: N002015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 79%

Date Collected: 04/03/13 09:00
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	18		mg/kg	0.48	0.03	1	04/09/13 09:10	04/09/13 22:03	EPA 3050B	1,6010C	MS
Chromium, Total	650		mg/kg	0.48	0.10	1	04/09/13 09:10	04/09/13 22:03	EPA 3050B	1,6010C	MS
Lead, Total	160		mg/kg	2.4	0.14	1	04/09/13 09:10	04/09/13 22:03	EPA 3050B	1,6010C	MS
Mercury, Total	0.50		mg/kg	0.10	0.02	1	04/10/13 11:33	04/10/13 15:38	EPA 7471B	1,7471B	MC
Nickel, Total	25		mg/kg	1.2	0.19	1	04/09/13 09:10	04/09/13 22:03	EPA 3050B	1,6010C	MS
Zinc, Total	68		mg/kg	2.4	0.24	1	04/09/13 09:10	04/09/13 22:03	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305774
Project Number: Not Specified
Report Date: 04/26/13

SAMPLE RESULTS

Lab ID: L1305774-02
Client ID: N003015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 79%

Date Collected: 04/03/13 10:00
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	ND		mg/kg	0.48	0.03	1	04/09/13 09:10	04/09/13 22:06	EPA 3050B	1,6010C	MS
Chromium, Total	22		mg/kg	0.48	0.10	1	04/09/13 09:10	04/09/13 22:06	EPA 3050B	1,6010C	MS
Lead, Total	180		mg/kg	2.4	0.14	1	04/09/13 09:10	04/09/13 22:06	EPA 3050B	1,6010C	MS
Mercury, Total	0.48		mg/kg	0.09	0.02	1	04/10/13 11:33	04/10/13 15:43	EPA 7471B	1,7471B	MC
Nickel, Total	6.8		mg/kg	1.2	0.19	1	04/09/13 09:10	04/09/13 22:06	EPA 3050B	1,6010C	MS
Zinc, Total	85		mg/kg	2.4	0.24	1	04/09/13 09:10	04/09/13 22:06	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305774

Project Number: Not Specified **Report Date:** 04/26/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG600405-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Barium, Total	ND		mg/kg	0.40	0.12	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Copper, Total	ND		mg/kg	0.40	0.20	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Lead, Total	0.13	J	mg/kg	2.0	0.12	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Silver, Total	ND		mg/kg	0.40	0.08	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Zinc, Total	ND		mg/kg	2.0	0.20	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG600660-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/10/13 11:33	04/10/13 15:12	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305774

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG600405-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	104		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	98		-		82-117	-		
Chromium, Total	101		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	104		-		80-120	-		
Nickel, Total	104		-		82-117	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	100		-		66-134	-		
Zinc, Total	106		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG600660-2 SRM Lot Number: 0518-10-02								
Mercury, Total	111		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305774
Report Date: 04/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600405-4 QC Sample: L1305685-01 Client ID: MS Sample												
Arsenic, Total	2.3	11.1	14	106		-	-		75-125	-		35
Barium, Total	28.	185	210	98		-	-		75-125	-		35
Beryllium, Total	0.30	4.62	4.9	100		-	-		75-125	-		35
Cadmium, Total	ND	47.1	42	89		-	-		75-125	-		35
Chromium, Total	9.0	18.5	27	97		-	-		75-125	-		35
Copper, Total	14.	23.1	38	104		-	-		75-125	-		35
Lead, Total	6.5	47.1	55	103		-	-		75-125	-		35
Nickel, Total	8.9	46.2	53	96		-	-		75-125	-		35
Selenium, Total	0.75J	11.1	12	108		-	-		75-125	-		35
Silver, Total	ND	27.7	30	108		-	-		75-125	-		35
Zinc, Total	24.	46.2	70	100		-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600660-4 QC Sample: L1305746-01 Client ID: MS Sample												
Mercury, Total	ND	0.17	0.20	118		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305774
Report Date: 04/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600405-3 QC Sample: L1305685-01 Client ID: DUP Sample						
Arsenic, Total	2.3	2.2	mg/kg	4		35
Barium, Total	28.	25	mg/kg	11		35
Beryllium, Total	0.30	0.30	mg/kg	0		35
Cadmium, Total	ND	ND	mg/kg	NC		35
Chromium, Total	9.0	9.5	mg/kg	5		35
Copper, Total	14.	16	mg/kg	13		35
Lead, Total	6.5	6.2	mg/kg	5		35
Nickel, Total	8.9	8.8	mg/kg	1		35
Selenium, Total	0.75J	0.60J	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Zinc, Total	24.	25	mg/kg	4		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600660-3 QC Sample: L1305746-01 Client ID: DUP Sample						
Mercury, Total	ND	0.02J	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305774
Report Date: 04/26/13

SAMPLE RESULTS

Lab ID: L1305774-01
Client ID: N002015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Date Collected: 04/03/13 09:00
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.9		%	0.100	NA	1	-	04/04/13 19:26	30,2540G	RD
Chromium, Hexavalent	ND		mg/kg	1.0	0.23	1	04/23/13 12:05	04/24/13 02:43	1,7196A	ST

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305774
Report Date: 04/26/13

SAMPLE RESULTS

Lab ID: L1305774-02
Client ID: N003015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Date Collected: 04/03/13 10:00
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.6		%	0.100	NA	1	-	04/04/13 19:26	30,2540G	RD

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305774

Project Number: Not Specified **Report Date:** 04/26/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG603313-1										
Chromium, Hexavalent	ND		mg/l	0.80	0.18	1	04/23/13 12:05	04/24/13 02:40	1,7196A	ST

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305774

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG603313-2								
Chromium, Hexavalent	95		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305774
Report Date: 04/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG603313-4 QC Sample: L1305881-01 Client ID: MS Sample												
Chromium, Hexavalent	ND	1380	1200	87		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305774
Report Date: 04/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599644-1 QC Sample: L1305687-01 Client ID: DUP Sample						
Solids, Total	84.5	83.8	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG603313-6 QC Sample: L1305881-01 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305774
Report Date: 04/26/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 04/04/2013 13:25

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305774-01A	Vial MeOH preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305774-01B	Vial water preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305774-01C	Vial water preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305774-01D	Amber 100ml unpreserved	A	N/A	3.5	Y	Absent	TS(7)
L1305774-01E	Amber 120ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180),HEXCR-7196(30)
L1305774-01F	Amber 250ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180),HEXCR-7196(30)
L1305774-02A	Vial MeOH preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305774-02B	Vial water preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305774-02C	Vial water preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305774-02E	Amber 120ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305774-02F	Amber 250ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305774
Project Number:	Not Specified	**Report Date:**	04/26/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305774
Project Number:	Not Specified	**Report Date:**	04/26/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305774
Project Number:	Not Specified	**Report Date:**	04/26/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL — World Class Chemistry

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/4/13

ALPHA Job #: L1305774

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Detection limits to meet NYSDEC Part 375 Requirements (Unrestricted)
Find %Moisture of each aliquot and calculate average for use as %Moisture of associated composite sample

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs-See attached list	Hexavalent Chromium-Hold	Cyanide-Hold	Metals-See attached list-Hold	PCBs-Hold	SVOCs-See atached list-Hold							Sample Specific Comments	TOTAL # BOTTLES
05774. 1	N002015	4/3	900	S	[illegible]	☒	☒	☒	☒	☐	☒	☐	☐	☐	☐	☐	☐		
. 2	N003015	4/3	1000	S	[illegible]	☒	☒	☒	☒	☐	☒	☐	☐	☐	☐	☐	☐		
Container Type						-	-	-	-	-	-	-	-	-	-	-	-		
Preservative						-	-	-	-	-	-	-	-	-	-	-	-		

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/3 1600	Kyle Cunningham	4/3/13 1600
Kyle Cunningham	4/3/13 2300	[signature]	4/3/13 2300
[signature]	4/4/13 0050	[signature]	4/4/13 0050

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 5-JAN-12)

ANALYTICAL REPORT

Lab Number:	L1305773
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/11/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305773
Report Date: 04/11/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305773-01	P006P007	GLENS FALLS NEW YORK	04/03/13 08:30

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305773
Project Number: Not Specified **Report Date:** 04/11/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305773
Project Number:	Not Specified	**Report Date:**	04/11/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 04/11/13

ORGANICS

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305773

Project Number: Not Specified **Report Date:** 04/11/13

SAMPLE RESULTS

Lab ID:	L1305773-01	Date Collected:	04/03/13 08:30
Client ID:	P006P007	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/08/13 12:41
Analytical Date:	04/10/13 13:01		
Analyst:	RC		
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	54.	1
Dimethyl phthalate	ND		ug/kg	200	52.	1
Benzo(a)anthracene	ND		ug/kg	120	40.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	41.	1
Benzo(k)fluoranthene	ND		ug/kg	120	39.	1
Chrysene	ND		ug/kg	120	40.	1
Fluorene	ND		ug/kg	200	59.	1
Phenanthrene	ND		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	40.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	46.	1
2-Chlorophenol	ND		ug/kg	200	62.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	61.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	67.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	115		25-120
Phenol-d6	112		10-120
Nitrobenzene-d5	105		23-120
2-Fluorobiphenyl	**124**	Q	30-120
2,4,6-Tribromophenol	**146**	Q	0-136
4-Terphenyl-d14	**125**	Q	18-120

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305773
Report Date: 04/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/09/13 22:17
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 04/08/13 12:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG600231-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	50	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	50	17.
Benzo(k)fluoranthene	ND		ug/kg	50	16.
Chrysene	ND		ug/kg	50	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	50	16.
Dibenzo(a,h)anthracene	ND		ug/kg	50	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	50		30-120
2,4,6-Tribromophenol	52		0-136
4-Terphenyl-d14	57		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305773

Report Date: 04/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG600231-2 WG600231-3								
Acenaphthene	68		75		31-137	10		50
1,2,4-Trichlorobenzene	52		67		38-107	25		50
Hexachlorobenzene	68		72		40-140	6		50
Bis(2-chloroethyl)ether	60		77		40-140	25		50
2-Chloronaphthalene	62		73		40-140	16		50
1,2-Dichlorobenzene	55		73		40-140	28		50
1,3-Dichlorobenzene	54		70		40-140	26		50
1,4-Dichlorobenzene	55		70		28-104	24		50
3,3'-Dichlorobenzidine	57		53		40-140	7		50
2,4-Dinitrotoluene	76		78		28-89	3		50
2,6-Dinitrotoluene	69		73		40-140	6		50
Fluoranthene	72		76		40-140	5		50
4-Chlorophenyl phenyl ether	68		72		40-140	6		50
4-Bromophenyl phenyl ether	68		69		40-140	1		50
Bis(2-chloroisopropyl)ether	68		85		40-140	22		50
Bis(2-chloroethoxy)methane	67		82		40-117	20		50
Hexachlorobutadiene	54		70		40-140	26		50
Hexachlorocyclopentadiene	47		62		40-140	28		50
Hexachloroethane	62		79		40-140	24		50
Isophorone	66		79		40-140	18		50
Naphthalene	57		72		40-140	23		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305773

Report Date: 04/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG600231-2 WG600231-3								
Nitrobenzene	61		78		40-140	24		50
NitrosoDiPhenylAmine(NDPA)/DPA	72		75			4		50
n-Nitrosodi-n-propylamine	69		85		32-121	21		50
Bis(2-Ethylhexyl)phthalate	93		97		40-140	4		50
Butyl benzyl phthalate	80		83		40-140	4		50
Di-n-butylphthalate	83		87		40-140	5		50
Di-n-octylphthalate	92		95		40-140	3		50
Diethyl phthalate	80		83		40-140	4		50
Dimethyl phthalate	76		79		40-140	4		50
Benzo(a)anthracene	77		80		40-140	4		50
Benzo(a)pyrene	78		81		40-140	4		50
Benzo(b)fluoranthene	74		78		40-140	5		50
Benzo(k)fluoranthene	79		82		40-140	4		50
Chrysene	79		82		40-140	4		50
Acenaphthylene	63		70		40-140	11		50
Anthracene	77		81		40-140	5		50
Benzo(ghi)perylene	78		82		40-140	5		50
Fluorene	71		76		40-140	7		50
Phenanthrene	75		80		40-140	6		50
Dibenzo(a,h)anthracene	78		82		40-140	5		50
Indeno(1,2,3-cd)Pyrene	74		78		40-140	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305773

Report Date: 04/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG600231-2 WG600231-3								
Pyrene	72		74		35-142	3		50
Biphenyl	69		79			14		50
4-Chloroaniline	46		59		40-140	25		50
2-Nitroaniline	73		77		47-134	5		50
3-Nitroaniline	46		41		26-129	11		50
4-Nitroaniline	77		78		41-125	1		50
Dibenzofuran	68		75		40-140	10		50
2-Methylnaphthalene	55		65		40-140	17		50
1,2,4,5-Tetrachlorobenzene	66		79		40-117	18		50
Acetophenone	69		86		14-144	22		50
2,4,6-Trichlorophenol	66		71		30-130	7		50
P-Chloro-M-Cresol	77		84		26-103	9		50
2-Chlorophenol	64		82		25-102	25		50
2,4-Dichlorophenol	66		79		30-130	18		50
2,4-Dimethylphenol	70		84		30-130	18		50
2-Nitrophenol	63		77		30-130	20		50
4-Nitrophenol	51		45		11-114	13		50
2,4-Dinitrophenol	32		37		4-130	14		50
4,6-Dinitro-o-cresol	70		73		10-130	4		50
Pentachlorophenol	65		69		17-109	6		50
Phenol	69		86		26-90	22		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305773

Report Date: 04/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG600231-2 WG600231-3								
2-Methylphenol	68		85		30-130.	22		50
3-Methylphenol/4-Methylphenol	70		87		30-130	22		50
2,4,5-Trichlorophenol	70		73		30-130	4		50
Benzoic Acid	0		0			NC		50
Benzyl Alcohol	71		90		40-140	24		50
Carbazole	75		80		54-128	6		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	66		80		25-120
Phenol-d6	69		83		10-120
Nitrobenzene-d5	64		77		23-120
2-Fluorobiphenyl	58		65		30-120
2,4,6-Tribromophenol	71		73		0-136
4-Terphenyl-d14	59		59		18-120

PCBS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305773

Project Number: Not Specified **Report Date:** 04/11/13

SAMPLE RESULTS

Lab ID:	L1305773-01	Date Collected:	04/03/13 08:30
Client ID:	P006P007	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	04/09/13 08:16
Analytical Date:	04/10/13 08:31	Cleanup Method1:	EPA 3665A
Analyst:	SS	Cleanup Date1:	04/09/13
Percent Solids:	80%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	04/09/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	39.6	7.83	1
Aroclor 1221	ND		ug/kg	39.6	12.0	1
Aroclor 1232	ND		ug/kg	39.6	8.42	1
Aroclor 1242	ND		ug/kg	39.6	7.52	1
Aroclor 1248	ND		ug/kg	39.6	4.79	1
Aroclor 1254	ND		ug/kg	39.6	6.25	1
Aroclor 1260	ND		ug/kg	39.6	6.88	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	107		30-150
Decachlorobiphenyl	109		30-150
2,4,5,6-Tetrachloro-m-xylene	99		30-150
Decachlorobiphenyl	100		30-150

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305773

Report Date: 04/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/10/13 08:44
Analyst: SS

Extraction Method: EPA 3546
Extraction Date: 04/09/13 08:16
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/10/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/09/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG600398-1					
Aroclor 1016	ND		ug/kg	16.2	3.19
Aroclor 1221	ND		ug/kg	16.2	4.87
Aroclor 1232	ND		ug/kg	16.2	3.43
Aroclor 1242	ND		ug/kg	16.2	3.07
Aroclor 1248	ND		ug/kg	16.2	1.96
Aroclor 1254	ND		ug/kg	16.2	2.55
Aroclor 1260	ND		ug/kg	16.2	2.80

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	68		30-150
Decachlorobiphenyl	66		30-150
2,4,5,6-Tetrachloro-m-xylene	66		30-150
Decachlorobiphenyl	61		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305773

Report Date: 04/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG600398-2 WG600398-3								
Aroclor 1016	69		62		40-140	11		50
Aroclor 1260	69		60		40-140	14		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	62		55		30-150
Decachlorobiphenyl	68		60		30-150
2,4,5,6-Tetrachloro-m-xylene	60		53		30-150
Decachlorobiphenyl	60		53		30-150

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305773
Project Number: Not Specified
Report Date: 04/11/13

SAMPLE RESULTS

Lab ID: L1305773-01
Client ID: P006P007
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 80%

Date Collected: 04/03/13 08:30
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.3		mg/kg	0.48	0.14	2	04/09/13 09:01	04/10/13 18:03	EPA 3050B	1,6010C	MS
Barium, Total	44		mg/kg	0.48	0.14	2	04/09/13 09:01	04/10/13 18:03	EPA 3050B	1,6010C	MS
Beryllium, Total	0.39		mg/kg	0.24	0.02	2	04/09/13 09:01	04/10/13 18:03	EPA 3050B	1,6010C	MS
Cadmium, Total	0.04	J	mg/kg	0.48	0.03	2	04/09/13 09:01	04/10/13 18:03	EPA 3050B	1,6010C	MS
Chromium, Total	11		mg/kg	0.48	0.10	2	04/09/13 09:01	04/10/13 18:03	EPA 3050B	1,6010C	MS
Copper, Total	7.9		mg/kg	0.48	0.24	2	04/09/13 09:01	04/10/13 18:03	EPA 3050B	1,6010C	MS
Lead, Total	5.9		mg/kg	2.4	0.14	2	04/09/13 09:01	04/10/13 18:03	EPA 3050B	1,6010C	MS
Mercury, Total	0.17		mg/kg	0.09	0.02	2	04/10/13 11:33	04/10/13 15:36	EPA 7471B	1,7471B	MC
Nickel, Total	9.2		mg/kg	1.2	0.19	2	04/09/13 09:01	04/10/13 18:03	EPA 3050B	1,6010C	MS
Selenium, Total	0.49	J	mg/kg	0.97	0.14	2	04/09/13 09:01	04/10/13 18:03	EPA 3050B	1,6010C	MS
Silver, Total	ND		mg/kg	0.48	0.10	2	04/09/13 09:01	04/10/13 18:03	EPA 3050B	1,6010C	MS
Zinc, Total	29		mg/kg	2.4	0.24	2	04/09/13 09:01	04/10/13 18:03	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305773

Project Number: Not Specified **Report Date:** 04/11/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG600405-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Barium, Total	ND		mg/kg	0.40	0.12	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Copper, Total	ND		mg/kg	0.40	0.20	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Lead, Total	0.13	J	mg/kg	2.0	0.12	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Silver, Total	ND		mg/kg	0.40	0.08	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Zinc, Total	ND		mg/kg	2.0	0.20	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG600660-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/10/13 11:33	04/10/13 15:12	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305773

Report Date: 04/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG600405-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	104		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	98		-		82-117	-		
Chromium, Total	101		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	104		-		80-120	-		
Nickel, Total	104		-		82-117	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	100		-		66-134	-		
Zinc, Total	106		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG600660-2 SRM Lot Number: 0518-10-02								
Mercury, Total	111		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305773
Report Date: 04/11/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600405-4 QC Sample: L1305685-01 Client ID: MS Sample												
Arsenic, Total	2.3	11.1	14	106		-	-		75-125	-		35
Barium, Total	28.	185	210	98		-	-		75-125	-		35
Beryllium, Total	0.30	4.62	4.9	100		-	-		75-125	-		35
Cadmium, Total	ND	47.1	42	89		-	-		75-125	-		35
Chromium, Total	9.0	18.5	27	97		-	-		75-125	-		35
Copper, Total	14.	23.1	38	104		-	-		75-125	-		35
Lead, Total	6.5	47.1	55	103		-	-		75-125	-		35
Nickel, Total	8.9	46.2	53	96		-	-		75-125	-		35
Selenium, Total	0.75J	11.1	12	108		-	-		75-125	-		35
Silver, Total	ND	27.7	30	108		-	-		75-125	-		35
Zinc, Total	24.	46.2	70	100		-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600660-4 QC Sample: L1305746-01 Client ID: MS Sample												
Mercury, Total	ND	0.17	0.20	118		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305773
Report Date: 04/11/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600405-3 QC Sample: L1305685-01 Client ID: DUP Sample						
Arsenic, Total	2.3	2.2	mg/kg	4		35
Barium, Total	28.	25	mg/kg	11		35
Beryllium, Total	0.30	0.30	mg/kg	0		35
Cadmium, Total	ND	ND	mg/kg	NC		35
Chromium, Total	9.0	9.5	mg/kg	5		35
Copper, Total	14.	16	mg/kg	13		35
Lead, Total	6.5	6.2	mg/kg	5		35
Nickel, Total	8.9	8.8	mg/kg	1		35
Selenium, Total	0.75J	0.60J	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Zinc, Total	24.	25	mg/kg	4		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600660-3 QC Sample: L1305746-01 Client ID: DUP Sample						
Mercury, Total	ND	0.02J	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305773
Report Date: 04/11/13

SAMPLE RESULTS

Lab ID: L1305773-01
Client ID: P006P007
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Date Collected: 04/03/13 08:30
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.7		%	0.100	NA	1	-	04/04/13 18:56	30,2540G	RD
Cyanide, Total	ND		mg/kg	1.2	0.27	2	04/08/13 14:00	04/09/13 13:13	1,9010C/9012A	DE

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305773

Project Number: Not Specified **Report Date:** 04/11/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG600310-1										
Cyanide, Total	ND		mg/kg	0.89	0.21	1	04/08/13 14:00	04/09/13 13:06	1,9010C/9012A	DE

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305773

Report Date: 04/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG600310-4 WG600310-5								
Cyanide, Total	113		115		80-120	2		35

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305773
Report Date: 04/11/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600310-3 WG600310-2 QC Sample: L1305478-18 Client ID: MS Sample												
Cyanide, Total	ND	13	13	100		15	110		65-135	14		35

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305773
Project Number:	Not Specified	**Report Date:**	04/11/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305773
Project Number:	Not Specified	**Report Date:**	04/11/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305773
Project Number:	Not Specified	**Report Date:**	04/11/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

5773

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL — World Class Chemistry

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/4/13

ALPHA Job #: L1305769 (corrected to 5773)

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:
Extract/Digest Sample P006015 and Sample P007015.
Composite and analyze Extract/Digestate as Sample indicated below.
Detection limits to meet NYSDEC Part 375 Requirements (0.5 x Unrestricted)
Use average of associated aliquot %Moisture for result calculations

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cyanide	Metals-See attached list (no Cr6+)	PCBs	SVOCs-See attached list	Sample Specific Comments	TOTAL # BOTTLES
05773.1	P006P007	4/3	830	S	[initials]	☒	☒	☒	☒		

	Container Type	Preservative
All columns	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/3 1620	Kyle Aughan [signature]	4/3/13 1600
Kyle Aughan [signature]		[signature]	4/3/13 2204
[signature]	4/4/13 0050	[signature]	4/4/13 0050

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 5-JAN-12)

JOB: L1305769 REPORT STYLE: Data Usability Report
001: Cover & Signature Pages - OK
006: Narrative Page(s) - OK
010: Cover Page - OK
011: Volatiles Sample Results - OK
012: Volatiles Blank Report - OK
013: Volatiles LCS Report - OK
018: Cover Page - OK
020: Semivolatiles Blank Report - OK
021: Semivolatiles LCS Report - OK
070: Cover Page - OK
072: PCB Blank Report - OK
074: PCB LCS Report - OK
100: Metals Sample Results - OK
101: Metals Blank Report - OK
102: Metals LCS Report - OK
104: Metals Matrix Spike Report - OK
105: Metals Duplicate Report - OK
118: Cover Page - OK
120: Wet Chemistry Sample Results - OK
125: Wet Chemistry Duplicate Report - OK
510: Container Report - OK
520: Glossary - OK
540: Reference Report - OK

No results found for sample L1305769-01 for product AG-TI
No results found for sample L1305769-01 for product AS-TI
No results found for sample L1305769-01 for product BA-TI
No results found for sample L1305769-01 for product BE-TI
No results found for sample L1305769-01 for product CD-TI
No results found for sample L1305769-01 for product CU-TI
No results found for sample L1305769-01 for product NI-TI
No results found for sample L1305769-01 for product NYTCL-8082
No results found for sample L1305769-01 for product NYTCL-8270
No results found for sample L1305769-01 for product PB-TI
No results found for sample L1305769-01 for product SE-TI
No results found for sample L1305769-01 for product TCN-9010
No results found for sample L1305769-01 for product ZN-TI
No results found for sample L1305769-02 for product AG-TI
No results found for sample L1305769-02 for product AS-TI
No results found for sample L1305769-02 for product BA-TI
No results found for sample L1305769-02 for product BE-TI
No results found for sample L1305769-02 for product CD-TI
No results found for sample L1305769-02 for product CU-TI

No results found for sample L1305769-02 for product NI-TI
No results found for sample L1305769-02 for product NYTCL-8082
No results found for sample L1305769-02 for product NYTCL-8270
No results found for sample L1305769-02 for product PB-TI
No results found for sample L1305769-02 for product SE-TI
No results found for sample L1305769-02 for product TCN-9010
No results found for sample L1305769-02 for product ZN-TI

ANALYTICAL REPORT

Lab Number:	L1305769
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/18/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305769
Report Date: 04/18/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305769-01	P007015	GLENS FALLS NEW YORK	04/02/13 13:45
L1305769-02	P006015	GLENS FALLS NEW YORK	04/03/13 08:30

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305769
Project Number: Not Specified **Report Date:** 04/18/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305769
Project Number:	Not Specified	**Report Date:**	04/18/13

Case Narrative (continued)

Report Submission

This partial report replaces the report issued on April 11, 2013. At the client's request, the samples were analyzed for Total Chromium and Mercury. A final report will be issued as soon as the results of all requested analyses become available.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 04/18/13

ORGANICS

VOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305769

Project Number: Not Specified **Report Date:** 04/18/13

SAMPLE RESULTS

Lab ID:	L1305769-01	Date Collected:	04/02/13 13:45
Client ID:	P007015	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/07/13 11:56		
Analyst:	BN		
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	0.43	J	ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.5	0.86	1
Vinyl chloride	ND		ug/kg	2.2	0.15	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	5.5	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.5	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.5	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	103		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305769

Project Number: Not Specified **Report Date:** 04/18/13

SAMPLE RESULTS

Lab ID:	L1305769-02	Date Collected:	04/03/13 08:30
Client ID:	P006015	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/07/13 12:24		
Analyst:	BN		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.3	0.33	1
Carbon tetrachloride	ND		ug/kg	0.90	0.19	1
Chlorobenzene	ND		ug/kg	0.90	0.31	1
1,2-Dichloroethane	ND		ug/kg	0.90	0.13	1
Benzene	ND		ug/kg	0.90	0.10	1
Toluene	0.26	J	ug/kg	1.3	0.10	1
Ethylbenzene	ND		ug/kg	0.90	0.13	1
Chloromethane	ND		ug/kg	4.5	0.70	1
Vinyl chloride	ND		ug/kg	1.8	0.13	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.19	1
Trichloroethene	ND		ug/kg	0.90	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	4.5	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	4.5	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	4.5	0.22	1
cis-1,2-Dichloroethene	ND		ug/kg	0.90	0.13	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	101		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305769

Project Number: Not Specified **Report Date:** 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/07/13 09:36
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG600105-3					
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.34	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Vinyl chloride	ND		ug/kg	2.0	0.14
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305769

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600105-1 WG600105-2								
Methylene chloride	99		92		70-130	7		30
1,1-Dichloroethane	96		90		70-130	6		30
Chloroform	90		84		70-130	7		30
Carbon tetrachloride	94		85		70-130	10		30
1,2-Dichloropropane	94		88		70-130	7		30
Dibromochloromethane	91		87		70-130	4		30
2-Chloroethylvinyl ether	93		88			6		30
1,1,2-Trichloroethane	93		90		70-130	3		30
Tetrachloroethene	100		92		70-130	8		30
Chlorobenzene	94		89		70-130	5		30
Trichlorofluoromethane	92		82		70-139	11		30
1,2-Dichloroethane	79		77		70-130	3		30
1,1,1-Trichloroethane	91		83		70-130	9		30
Bromodichloromethane	86		83		70-130	4		30
trans-1,3-Dichloropropene	90		87		70-130	3		30
cis-1,3-Dichloropropene	89		86		70-130	3		30
1,1-Dichloropropene	96		88		70-130	9		30
Bromoform	86		85		70-130	1		30
1,1,2,2-Tetrachloroethane	91		91		70-130	0		30
Benzene	95		89		70-130	7		30
Toluene	96		89		70-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305769

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600105-1 WG600105-2								
Ethylbenzene	92		86		70-130	7		30
Chloromethane	128		114		52-130	12		30
Bromomethane	100		85		57-147	16		30
Vinyl chloride	123		109		67-130	12		30
Chloroethane	85		70		50-151	19		30
1,1-Dichloroethene	104		96		65-135	8		30
trans-1,2-Dichloroethene	98		90		70-130	9		30
Trichloroethene	94		87		70-130	8		30
1,2-Dichlorobenzene	93		89		70-130	4		30
1,3-Dichlorobenzene	95		90		70-130	5		30
1,4-Dichlorobenzene	94		90		70-130	4		30
Methyl tert butyl ether	85		84		66-130	1		30
p/m-Xylene	96		89		70-130	8		30
o-Xylene	93		88		70-130	6		30
cis-1,2-Dichloroethene	93		88		70-130	6		30
Dibromomethane	85		82		70-130	4		30
Styrene	90		85		70-130	6		30
Dichlorodifluoromethane	129		114		30-146	12		30
Acetone	104		89		54-140	16		30
Carbon disulfide	106		96		59-130	10		30
2-Butanone	90		83		70-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305769

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600105-1 WG600105-2								
Vinyl acetate	82		82		70-130	0		30
4-Methyl-2-pentanone	84		83		70-130	1		30
1,2,3-Trichloropropane	88		87		68-130	1		30
2-Hexanone	81		77		70-130	5		30
Bromochloromethane	95		90		70-130	5		30
2,2-Dichloropropane	91		83		70-130	9		30
1,2-Dibromoethane	89		88		70-130	1		30
1,3-Dichloropropane	91		88		69-130	3		30
1,1,1,2-Tetrachloroethane	91		87		70-130	4		30
Bromobenzene	93		89		70-130	4		30
n-Butylbenzene	96		88		70-130	9		30
sec-Butylbenzene	96		88		70-130	9		30
tert-Butylbenzene	95		88		70-130	8		30
o-Chlorotoluene	93		88		70-130	6		30
p-Chlorotoluene	93		87		70-130	7		30
1,2-Dibromo-3-chloropropane	80		77		68-130	4		30
Hexachlorobutadiene	104		96		67-130	8		30
Isopropylbenzene	93		87		70-130	7		30
p-Isopropyltoluene	94		88		70-130	7		30
Naphthalene	92		90		70-130	2		30
Acrylonitrile	97		97		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305769

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600105-1 WG600105-2								
Isopropyl Ether	92		89		66-130	3		30
tert-Butyl Alcohol	84		85		70-130	1		30
n-Propylbenzene	95		88		70-130	8		30
1,2,3-Trichlorobenzene	98		94		70-130	4		30
1,2,4-Trichlorobenzene	100		94		70-130	6		30
1,3,5-Trimethylbenzene	94		88		70-130	7		30
1,2,4-Trimethylbenzene	94		88		70-130	7		30
Methyl Acetate	91		91		70-130	0		30
Ethyl Acetate	87		86		70-130	1		30
Acrolein	81		81		70-130	0		30
Cyclohexane	111		102		70-130	8		30
1,4-Dioxane	101		102		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	112		100		70-130	11		30
1,4-Diethylbenzene	96		90		70-130	6		30
4-Ethyltoluene	96		90		70-130	6		30
1,2,4,5-Tetramethylbenzene	93		88		70-130	6		30
Tetrahydrofuran	91		91		66-130	0		30
Ethyl ether	80		77		67-130	4		30
trans-1,4-Dichloro-2-butene	82		83		70-130	1		30
Methyl cyclohexane	105		96		70-130	9		30
Ethyl-Tert-Butyl-Ether	87		84		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305769

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600105-1 WG600105-2								
Tertiary-Amyl Methyl Ether	84		82		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	86		88		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	94		95		70-130
Dibromofluoromethane	100		99		70-130

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305769
Report Date: 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/09/13 22:17
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 04/08/13 12:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG600231-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	50	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	50	17.
Benzo(k)fluoranthene	ND		ug/kg	50	16.
Chrysene	ND		ug/kg	50	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	50	16.
Dibenzo(a,h)anthracene	ND		ug/kg	50	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	50		30-120
2,4,6-Tribromophenol	52		0-136
4-Terphenyl-d14	57		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305769

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG600231-2 WG600231-3								
Acenaphthene	68		75		31-137	10		50
1,2,4-Trichlorobenzene	52		67		38-107	25		50
Hexachlorobenzene	68		72		40-140	6		50
Bis(2-chloroethyl)ether	60		77		40-140	25		50
2-Chloronaphthalene	62		73		40-140	16		50
1,2-Dichlorobenzene	55		73		40-140	28		50
1,3-Dichlorobenzene	54		70		40-140	26		50
1,4-Dichlorobenzene	55		70		28-104	24		50
3,3'-Dichlorobenzidine	57		53		40-140	7		50
2,4-Dinitrotoluene	76		78		28-89	3		50
2,6-Dinitrotoluene	69		73		40-140	6		50
Fluoranthene	72		76		40-140	5		50
4-Chlorophenyl phenyl ether	68		72		40-140	6		50
4-Bromophenyl phenyl ether	68		69		40-140	1		50
Bis(2-chloroisopropyl)ether	68		85		40-140	22		50
Bis(2-chloroethoxy)methane	67		82		40-117	20		50
Hexachlorobutadiene	54		70		40-140	26		50
Hexachlorocyclopentadiene	47		62		40-140	28		50
Hexachloroethane	62		79		40-140	24		50
Isophorone	66		79		40-140	18		50
Naphthalene	57		72		40-140	23		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305769

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG600231-2 WG600231-3								
Nitrobenzene	61		78		40-140	24		50
NitrosoDiPhenylAmine(NDPA)/DPA	72		75			4		50
n-Nitrosodi-n-propylamine	69		85		32-121	21		50
Bis(2-Ethylhexyl)phthalate	93		97		40-140	4		50
Butyl benzyl phthalate	80		83		40-140	4		50
Di-n-butylphthalate	83		87		40-140	5		50
Di-n-octylphthalate	92		95		40-140	3		50
Diethyl phthalate	80		83		40-140	4		50
Dimethyl phthalate	76		79		40-140	4		50
Benzo(a)anthracene	77		80		40-140	4		50
Benzo(a)pyrene	78		81		40-140	4		50
Benzo(b)fluoranthene	74		78		40-140	5		50
Benzo(k)fluoranthene	79		82		40-140	4		50
Chrysene	79		82		40-140	4		50
Acenaphthylene	63		70		40-140	11		50
Anthracene	77		81		40-140	5		50
Benzo(ghi)perylene	78		82		40-140	5		50
Fluorene	71		76		40-140	7		50
Phenanthrene	75		80		40-140	6		50
Dibenzo(a,h)anthracene	78		82		40-140	5		50
Indeno(1,2,3-cd)Pyrene	74		78		40-140	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305769
Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG600231-2 WG600231-3								
Pyrene	72		74		35-142	3		50
Biphenyl	69		79			14		50
4-Chloroaniline	46		59		40-140	25		50
2-Nitroaniline	73		77		47-134	5		50
3-Nitroaniline	46		41		26-129	11		50
4-Nitroaniline	77		78		41-125	1		50
Dibenzofuran	68		75		40-140	10		50
2-Methylnaphthalene	55		65		40-140	17		50
1,2,4,5-Tetrachlorobenzene	66		79		40-117	18		50
Acetophenone	69		86		14-144	22		50
2,4,6-Trichlorophenol	66		71		30-130	7		50
P-Chloro-M-Cresol	77		84		26-103	9		50
2-Chlorophenol	64		82		25-102	25		50
2,4-Dichlorophenol	66		79		30-130	18		50
2,4-Dimethylphenol	70		84		30-130	18		50
2-Nitrophenol	63		77		30-130	20		50
4-Nitrophenol	51		45		11-114	13		50
2,4-Dinitrophenol	32		37		4-130	14		50
4,6-Dinitro-o-cresol	70		73		10-130	4		50
Pentachlorophenol	65		69		17-109	6		50
Phenol	69		86		26-90	22		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305769

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG600231-2 WG600231-3								
2-Methylphenol	68		85		30-130.	22		50
3-Methylphenol/4-Methylphenol	70		87		30-130	22		50
2,4,5-Trichlorophenol	70		73		30-130	4		50
Benzoic Acid	0		0			NC		50
Benzyl Alcohol	71		90		40-140	24		50
Carbazole	75		80		54-128	6		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	66		80		25-120
Phenol-d6	69		83		10-120
Nitrobenzene-d5	64		77		23-120
2-Fluorobiphenyl	58		65		30-120
2,4,6-Tribromophenol	71		73		0-136
4-Terphenyl-d14	59		59		18-120

PCBS

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305769

Report Date: 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/10/13 08:44
Analyst: SS

Extraction Method: EPA 3546
Extraction Date: 04/09/13 08:16
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/10/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/09/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG600398-1					
Aroclor 1016	ND		ug/kg	16.2	3.19
Aroclor 1221	ND		ug/kg	16.2	4.87
Aroclor 1232	ND		ug/kg	16.2	3.43
Aroclor 1242	ND		ug/kg	16.2	3.07
Aroclor 1248	ND		ug/kg	16.2	1.96
Aroclor 1254	ND		ug/kg	16.2	2.55
Aroclor 1260	ND		ug/kg	16.2	2.80

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	68		30-150
Decachlorobiphenyl	66		30-150
2,4,5,6-Tetrachloro-m-xylene	66		30-150
Decachlorobiphenyl	61		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305769

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG600398-2 WG600398-3								
Aroclor 1016	69		62		40-140	11		50
Aroclor 1260	69		60		40-140	14		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	62		55		30-150
Decachlorobiphenyl	68		60		30-150
2,4,5,6-Tetrachloro-m-xylene	60		53		30-150
Decachlorobiphenyl	60		53		30-150

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305769
Project Number: Not Specified
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305769-01
Client ID: P007015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 74%

Date Collected: 04/02/13 13:45
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	16		mg/kg	0.52	0.10	1	04/09/13 09:10	04/09/13 21:51	EPA 3050B	1,6010C	MS
Mercury, Total	0.087	J	mg/kg	0.091	0.019	1	04/10/13 11:33	04/10/13 15:32	EPA 7471B	1,7471B	MC

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305769
Project Number: Not Specified
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305769-02
Client ID: P006015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 86%

Date Collected: 04/03/13 08:30
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	7.6		mg/kg	0.45	0.09	1	04/09/13 09:10	04/09/13 21:54	EPA 3050B	1,6010C	MS
Mercury, Total	0.26		mg/kg	0.09	0.02	1	04/10/13 11:33	04/10/13 15:34	EPA 7471B	1,7471B	MC

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305769

Project Number: Not Specified **Report Date:** 04/18/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG600405-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Barium, Total	ND		mg/kg	0.40	0.12	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Copper, Total	ND		mg/kg	0.40	0.20	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Lead, Total	0.13	J	mg/kg	2.0	0.12	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Silver, Total	ND		mg/kg	0.40	0.08	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Zinc, Total	ND		mg/kg	2.0	0.20	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG600660-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/10/13 11:33	04/10/13 15:12	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305769

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG600405-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	104		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	98		-		82-117	-		
Chromium, Total	101		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	104		-		80-120	-		
Nickel, Total	104		-		82-117	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	100		-		66-134	-		
Zinc, Total	106		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG600660-2 SRM Lot Number: 0518-10-02								
Mercury, Total	111		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305769
Report Date: 04/18/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600405-4 QC Sample: L1305685-01 Client ID: MS Sample												
Arsenic, Total	2.3	11.1	14	106		-	-		75-125	-		35
Barium, Total	28.	185	210	98		-	-		75-125	-		35
Beryllium, Total	0.30	4.62	4.9	100		-	-		75-125	-		35
Cadmium, Total	ND	47.1	42	89		-	-		75-125	-		35
Chromium, Total	9.0	18.5	27	97		-	-		75-125	-		35
Copper, Total	14.	23.1	38	104		-	-		75-125	-		35
Lead, Total	6.5	47.1	55	103		-	-		75-125	-		35
Nickel, Total	8.9	46.2	53	96		-	-		75-125	-		35
Selenium, Total	0.75J	11.1	12	108		-	-		75-125	-		35
Silver, Total	ND	27.7	30	108		-	-		75-125	-		35
Zinc, Total	24.	46.2	70	100		-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600660-4 QC Sample: - Client ID: -												
Mercury, Total	ND	0.17	0.20	118		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305769
Report Date: 04/18/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600405-3 QC Sample: L1305685-01 Client ID: DUP Sample						
Arsenic, Total	2.3	2.2	mg/kg	4		35
Barium, Total	28.	25	mg/kg	11		35
Beryllium, Total	0.30	0.30	mg/kg	0		35
Cadmium, Total	ND	ND	mg/kg	NC		35
Chromium, Total	9.0	9.5	mg/kg	5		35
Copper, Total	14.	16	mg/kg	13		35
Lead, Total	6.5	6.2	mg/kg	5		35
Nickel, Total	8.9	8.8	mg/kg	1		35
Selenium, Total	0.75J	0.60J	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Zinc, Total	24.	25	mg/kg	4		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305769
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305769-01
Client ID: P007015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Date Collected: 04/02/13 13:45
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	73.7		%	0.100	NA	1	-	04/04/13 18:56	30,2540G	RD

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305769
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305769-02
Client ID: P006015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/03/13 08:30
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.7		%	0.100	NA	1	-	04/04/13 18:56	30,2540G	RD

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305769
Report Date: 04/18/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599637-1 QC Sample: L1305720-01 Client ID: DUP Sample						
Solids, Total	71.4	70.0	%	2		20

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305769
Report Date: 04/18/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 04/04/2013 12:43

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305769-01A	Vial MeOH preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305769-01B	Vial water preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305769-01C	Vial water preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305769-01D	Plastic 2oz unpreserved for TS	A	N/A	3.5	Y	Absent	TS(7)
L1305769-01E	Amber 120ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1305769-01F	Amber 250ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1305769-02A	Vial MeOH preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305769-02B	Vial water preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305769-02C	Vial water preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305769-02D	Amber 100ml unpreserved	A	N/A	3.5	Y	Absent	TS(7)
L1305769-02E	Amber 120ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305769
Report Date: 04/18/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305769-02F	Amber 250ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305769
Project Number:	Not Specified	**Report Date:**	04/18/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305769
Project Number:	Not Specified	**Report Date:**	04/18/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
World Class Chemistry

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab: 4/4/13

ALPHA Job #: L1305769

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Detection limits to meet NYSDEC Part 375 Requirements (Unrestricted)
Find %Moisture of each aliquot and calculate average for use as %Moisture of associated composite sample

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs-See attached list	Hexavalent Chromium-Hold	Cyanide-Hold	Metals-See attached list-Hold	PCBs-Hold	SVOCs-See atached list-Hold							Sample Specific Comments	TOTAL # BOTTLES
05769, 1	P007015	4/2	1345	S	SK	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		
.2	P006015	4/3	830	S	SK	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
Container Type						-	-	-	-	-	-	-	-	-	-	-	-		
Preservative						-	-	-	-	-	-	-	-	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/3 1600	Kyle [signature]	4/3/13 1600
Kyle [signature]		[signature]	4/3/13 2204
[signature]	4/4/13 0050	[signature]	4/4/13 0050

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ)
(rev. 5-JAN-12)

ANALYTICAL REPORT

Lab Number:	L1305764
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/11/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305764
Report Date: 04/11/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305764-01	N001N005	GLENS FALLS NEW YORK	04/03/13 11:45

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305764
Project Number: Not Specified **Report Date:** 04/11/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305764
Project Number:	Not Specified	**Report Date:**	04/11/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 04/11/13

ORGANICS

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305764

Project Number: Not Specified **Report Date:** 04/11/13

SAMPLE RESULTS

Lab ID:	L1305764-01	Date Collected:	04/03/13 11:45
Client ID:	N001N005	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/08/13 12:41
Analytical Date:	04/10/13 06:09		
Analyst:	RC		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	48.	1
Dimethyl phthalate	ND		ug/kg	180	46.	1
Benzo(a)anthracene	ND		ug/kg	110	36.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	37.	1
Benzo(k)fluoranthene	ND		ug/kg	110	35.	1
Chrysene	ND		ug/kg	110	36.	1
Fluorene	ND		ug/kg	180	52.	1
Phenanthrene	ND		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	35.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	40.	1
2-Chlorophenol	ND		ug/kg	180	55.	1
Pentachlorophenol	ND		ug/kg	150	39.	1
Phenol	ND		ug/kg	180	54.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	60.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**134**	Q	25-120
Phenol-d6	**134**	Q	10-120
Nitrobenzene-d5	**133**	Q	23-120
2-Fluorobiphenyl	106		30-120
2,4,6-Tribromophenol	129		0-136
4-Terphenyl-d14	115		18-120

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305764
Report Date: 04/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/09/13 22:17
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 04/08/13 12:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG600231-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	50	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	50	17.
Benzo(k)fluoranthene	ND		ug/kg	50	16.
Chrysene	ND		ug/kg	50	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	50	16.
Dibenzo(a,h)anthracene	ND		ug/kg	50	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	50		30-120
2,4,6-Tribromophenol	52		0-136
4-Terphenyl-d14	57		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305764

Report Date: 04/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG600231-2 WG600231-3								
Acenaphthene	68		75		31-137	10		50
1,2,4-Trichlorobenzene	52		67		38-107	25		50
Hexachlorobenzene	68		72		40-140	6		50
Bis(2-chloroethyl)ether	60		77		40-140	25		50
2-Chloronaphthalene	62		73		40-140	16		50
1,2-Dichlorobenzene	55		73		40-140	28		50
1,3-Dichlorobenzene	54		70		40-140	26		50
1,4-Dichlorobenzene	55		70		28-104	24		50
3,3'-Dichlorobenzidine	57		53		40-140	7		50
2,4-Dinitrotoluene	76		78		28-89	3		50
2,6-Dinitrotoluene	69		73		40-140	6		50
Fluoranthene	72		76		40-140	5		50
4-Chlorophenyl phenyl ether	68		72		40-140	6		50
4-Bromophenyl phenyl ether	68		69		40-140	1		50
Bis(2-chloroisopropyl)ether	68		85		40-140	22		50
Bis(2-chloroethoxy)methane	67		82		40-117	20		50
Hexachlorobutadiene	54		70		40-140	26		50
Hexachlorocyclopentadiene	47		62		40-140	28		50
Hexachloroethane	62		79		40-140	24		50
Isophorone	66		79		40-140	18		50
Naphthalene	57		72		40-140	23		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305764

Report Date: 04/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG600231-2 WG600231-3								
Nitrobenzene	61		78		40-140	24		50
NitrosoDiPhenylAmine(NDPA)/DPA	72		75			4		50
n-Nitrosodi-n-propylamine	69		85		32-121	21		50
Bis(2-Ethylhexyl)phthalate	93		97		40-140	4		50
Butyl benzyl phthalate	80		83		40-140	4		50
Di-n-butylphthalate	83		87		40-140	5		50
Di-n-octylphthalate	92		95		40-140	3		50
Diethyl phthalate	80		83		40-140	4		50
Dimethyl phthalate	76		79		40-140	4		50
Benzo(a)anthracene	77		80		40-140	4		50
Benzo(a)pyrene	78		81		40-140	4		50
Benzo(b)fluoranthene	74		78		40-140	5		50
Benzo(k)fluoranthene	79		82		40-140	4		50
Chrysene	79		82		40-140	4		50
Acenaphthylene	63		70		40-140	11		50
Anthracene	77		81		40-140	5		50
Benzo(ghi)perylene	78		82		40-140	5		50
Fluorene	71		76		40-140	7		50
Phenanthrene	75		80		40-140	6		50
Dibenzo(a,h)anthracene	78		82		40-140	5		50
Indeno(1,2,3-cd)Pyrene	74		78		40-140	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305764

Report Date: 04/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG600231-2 WG600231-3								
Pyrene	72		74		35-142	3		50
Biphenyl	69		79			14		50
4-Chloroaniline	46		59		40-140	25		50
2-Nitroaniline	73		77		47-134	5		50
3-Nitroaniline	46		41		26-129	11		50
4-Nitroaniline	77		78		41-125	1		50
Dibenzofuran	68		75		40-140	10		50
2-Methylnaphthalene	55		65		40-140	17		50
1,2,4,5-Tetrachlorobenzene	66		79		40-117	18		50
Acetophenone	69		86		14-144	22		50
2,4,6-Trichlorophenol	66		71		30-130	7		50
P-Chloro-M-Cresol	77		84		26-103	9		50
2-Chlorophenol	64		82		25-102	25		50
2,4-Dichlorophenol	66		79		30-130	18		50
2,4-Dimethylphenol	70		84		30-130	18		50
2-Nitrophenol	63		77		30-130	20		50
4-Nitrophenol	51		45		11-114	13		50
2,4-Dinitrophenol	32		37		4-130	14		50
4,6-Dinitro-o-cresol	70		73		10-130	4		50
Pentachlorophenol	65		69		17-109	6		50
Phenol	69		86		26-90	22		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305764

Report Date: 04/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG600231-2 WG600231-3								
2-Methylphenol	68		85		30-130.	22		50
3-Methylphenol/4-Methylphenol	70		87		30-130	22		50
2,4,5-Trichlorophenol	70		73		30-130	4		50
Benzoic Acid	0		0			NC		50
Benzyl Alcohol	71		90		40-140	24		50
Carbazole	75		80		54-128	6		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	66		80		25-120
Phenol-d6	69		83		10-120
Nitrobenzene-d5	64		77		23-120
2-Fluorobiphenyl	58		65		30-120
2,4,6-Tribromophenol	71		73		0-136
4-Terphenyl-d14	59		59		18-120

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305764
Project Number: Not Specified
Report Date: 04/11/13

SAMPLE RESULTS

Lab ID: L1305764-01
Client ID: N001N005
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 89%

Date Collected: 04/03/13 11:45
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.8		mg/kg	0.43	0.13	2	04/09/13 09:01	04/10/13 18:00	EPA 3050B	1,6010C	MS
Barium, Total	25		mg/kg	0.43	0.13	2	04/09/13 09:01	04/10/13 18:00	EPA 3050B	1,6010C	MS
Beryllium, Total	0.36		mg/kg	0.21	0.02	2	04/09/13 09:01	04/10/13 18:00	EPA 3050B	1,6010C	MS
Cadmium, Total	ND		mg/kg	0.43	0.03	2	04/09/13 09:01	04/10/13 18:00	EPA 3050B	1,6010C	MS
Chromium, Total	15		mg/kg	0.43	0.09	2	04/09/13 09:01	04/10/13 18:00	EPA 3050B	1,6010C	MS
Copper, Total	7.8		mg/kg	0.43	0.21	2	04/09/13 09:01	04/10/13 18:00	EPA 3050B	1,6010C	MS
Lead, Total	7.2		mg/kg	2.1	0.13	2	04/09/13 09:01	04/10/13 18:00	EPA 3050B	1,6010C	MS
Mercury, Total	0.03	J	mg/kg	0.08	0.02	2	04/10/13 11:33	04/10/13 15:31	EPA 7471B	1,7471B	MC
Nickel, Total	7.3		mg/kg	1.1	0.17	2	04/09/13 09:01	04/10/13 18:00	EPA 3050B	1,6010C	MS
Selenium, Total	0.48	J	mg/kg	0.86	0.13	2	04/09/13 09:01	04/10/13 18:00	EPA 3050B	1,6010C	MS
Silver, Total	ND		mg/kg	0.43	0.09	2	04/09/13 09:01	04/10/13 18:00	EPA 3050B	1,6010C	MS
Zinc, Total	28		mg/kg	2.1	0.21	2	04/09/13 09:01	04/10/13 18:00	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305764

Project Number: Not Specified **Report Date:** 04/11/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG600405-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Barium, Total	ND		mg/kg	0.40	0.12	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Copper, Total	ND		mg/kg	0.40	0.20	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Lead, Total	0.13	J	mg/kg	2.0	0.12	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Silver, Total	ND		mg/kg	0.40	0.08	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Zinc, Total	ND		mg/kg	2.0	0.20	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG600660-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/10/13 11:33	04/10/13 15:12	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305764

Report Date: 04/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG600405-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	104		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	98		-		82-117	-		
Chromium, Total	101		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	104		-		80-120	-		
Nickel, Total	104		-		82-117	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	100		-		66-134	-		
Zinc, Total	106		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG600660-2 SRM Lot Number: 0518-10-02								
Mercury, Total	111		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305764
Report Date: 04/11/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600405-4 QC Sample: L1305685-01 Client ID: MS Sample												
Arsenic, Total	2.3	11.1	14	106		-	-		75-125	-		35
Barium, Total	28.	185	210	98		-	-		75-125	-		35
Beryllium, Total	0.30	4.62	4.9	100		-	-		75-125	-		35
Cadmium, Total	ND	47.1	42	89		-	-		75-125	-		35
Chromium, Total	9.0	18.5	27	97		-	-		75-125	-		35
Copper, Total	14.	23.1	38	104		-	-		75-125	-		35
Lead, Total	6.5	47.1	55	103		-	-		75-125	-		35
Nickel, Total	8.9	46.2	53	96		-	-		75-125	-		35
Selenium, Total	0.75J	11.1	12	108		-	-		75-125	-		35
Silver, Total	ND	27.7	30	108		-	-		75-125	-		35
Zinc, Total	24.	46.2	70	100		-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600660-4 QC Sample: L1305746-01 Client ID: MS Sample												
Mercury, Total	ND	0.17	0.20	118		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305764
Report Date: 04/11/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600405-3 QC Sample: L1305685-01 Client ID: DUP Sample						
Arsenic, Total	2.3	2.2	mg/kg	4		35
Barium, Total	28.	25	mg/kg	11		35
Beryllium, Total	0.30	0.30	mg/kg	0		35
Cadmium, Total	ND	ND	mg/kg	NC		35
Chromium, Total	9.0	9.5	mg/kg	5		35
Copper, Total	14.	16	mg/kg	13		35
Lead, Total	6.5	6.2	mg/kg	5		35
Nickel, Total	8.9	8.8	mg/kg	1		35
Selenium, Total	0.75J	0.60J	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Zinc, Total	24.	25	mg/kg	4		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600660-3 QC Sample: L1305746-01 Client ID: DUP Sample						
Mercury, Total	ND	0.02J	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305764
Report Date: 04/11/13

SAMPLE RESULTS

Lab ID: L1305764-01
Client ID: N001N005
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/03/13 11:45
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.2		%	0.100	NA	1	-	04/04/13 18:56	30,2540G	RD
Cyanide, Total	ND		mg/kg	1.1	0.26	2	04/05/13 13:56	04/09/13 12:22	1,9010C/9012A	DE

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305764

Project Number: Not Specified **Report Date:** 04/11/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG599895-1										
Cyanide, Total	ND		mg/kg	0.88	0.21	1	04/05/13 13:56	04/09/13 11:47	1,9010C/9012A	DE

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305764

Report Date: 04/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG599895-4 WG599895-5								
Cyanide, Total	112		116		80-120	4		35

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305764
Report Date: 04/11/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599895-3 WG599895-2 QC Sample: L1305685-03 Client ID: MS Sample												
Cyanide, Total	ND	12	3.5	**30**	Q	12	100		65-135	**110**	Q	35

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305764
Project Number:	Not Specified	**Report Date:**	04/11/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305764
Project Number:	Not Specified	**Report Date:**	04/11/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL — World Class Chemistry

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab: 4/4/13

ALPHA Job #: L1305764

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Extract/Digest Sample N001015 and Sample N005015.
Composite and analyze Extract/Digestate as Sample inidicated below.
Detection limits to meet NYSDEC Part 375 Requirements (0.5 x Unrestricted)
Use average of associated aliquot %Moisture for result calculations

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cyanide	Metals-See attached list (no Cr6+)	PCBs	SVOCs-See attached list	Sample Specific Comments	TOTAL # BOTTLES
05764. 1	N001 N005	4/3	1145	S	[initials]	☒	☒	☐	☒		

Container Type	-
Preservative	-

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/3 1600	Kyle Crawford	4/3/13 1600
Kyle Crawford	4/3/13	[signature]	4/3/13 2204
[signature]	4/4/13 0050	[signature]	4/4/13 0050

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ)
(rev. 5-JAN-12)

JOB: L1305746 REPORT STYLE: Data Usability Report
001: Cover & Signature Pages - OK
006: Narrative Page(s) - OK
010: Cover Page - OK
011: Volatiles Sample Results - OK
012: Volatiles Blank Report - OK
013: Volatiles LCS Report - OK
018: Cover Page - OK
020: Semivolatiles Blank Report - OK
021: Semivolatiles LCS Report - OK
100: Metals Sample Results - OK
101: Metals Blank Report - OK
102: Metals LCS Report - OK
104: Metals Matrix Spike Report - OK
105: Metals Duplicate Report - OK
118: Cover Page - OK
120: Wet Chemistry Sample Results - OK
125: Wet Chemistry Duplicate Report - OK
510: Container Report - OK
520: Glossary - OK
540: Reference Report - OK

No results found for sample L1305746-01 for product AG-TI
No results found for sample L1305746-01 for product AS-TI
No results found for sample L1305746-01 for product BA-TI
No results found for sample L1305746-01 for product BE-TI
No results found for sample L1305746-01 for product CD-TI
No results found for sample L1305746-01 for product CU-TI
No results found for sample L1305746-01 for product HG-T
No results found for sample L1305746-01 for product NI-TI
No results found for sample L1305746-01 for product NYTCL-8270
No results found for sample L1305746-01 for product PB-TI
No results found for sample L1305746-01 for product SE-TI
No results found for sample L1305746-01 for product TCN-9010
No results found for sample L1305746-01 for product ZN-TI
No results found for sample L1305746-02 for product AG-TI
No results found for sample L1305746-02 for product AS-TI
No results found for sample L1305746-02 for product BA-TI
No results found for sample L1305746-02 for product BE-TI
No results found for sample L1305746-02 for product CD-TI
No results found for sample L1305746-02 for product CU-TI
No results found for sample L1305746-02 for product HG-T
No results found for sample L1305746-02 for product NI-TI
No results found for sample L1305746-02 for product NYTCL-8270

No results found for sample L1305746-02 for product PB-TI
No results found for sample L1305746-02 for product SE-TI
No results found for sample L1305746-02 for product TCN-9010
No results found for sample L1305746-02 for product ZN-TI

ANALYTICAL REPORT

Lab Number:	L1305746
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/18/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305746
Report Date: 04/18/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305746-01	N001015	GLENS FALLS NEW YORK	04/03/13 11:45
L1305746-02	N005015	GLENS FALLS NEW YORK	04/03/13 09:15

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305746
Project Number: Not Specified **Report Date:** 04/18/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305746
Project Number:	Not Specified	**Report Date:**	04/18/13

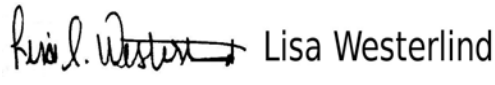
Case Narrative (continued)

Report Submission

This partial report replaces the report issued on April 11, 2013. At the client's request, the samples were analyzed for Total Chromium. A final report will be issued as soon as the results of all requested analyses become available.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Lisa Westerlind

Title: Technical Director/Representative Date: 04/18/13

ORGANICS

VOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305746

Project Number: Not Specified **Report Date:** 04/18/13

SAMPLE RESULTS

Lab ID:	L1305746-01	Date Collected:	04/03/13 11:45
Client ID:	N001015	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/07/13 11:00		
Analyst:	BN		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.5	0.36	1
Carbon tetrachloride	ND		ug/kg	0.99	0.21	1
Chlorobenzene	ND		ug/kg	0.99	0.34	1
1,2-Dichloroethane	ND		ug/kg	0.99	0.14	1
Benzene	0.86	J	ug/kg	0.99	0.12	1
Toluene	1.8		ug/kg	1.5	0.11	1
Ethylbenzene	0.33	J	ug/kg	0.99	0.14	1
Chloromethane	ND		ug/kg	4.9	0.77	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	0.22	J	ug/kg	0.99	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	4.9	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	4.9	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	4.9	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	0.99	0.15	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	101		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305746

Project Number: Not Specified **Report Date:** 04/18/13

SAMPLE RESULTS

Lab ID:	L1305746-02	Date Collected:	04/03/13 09:15
Client ID:	N005015	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/08/13 10:52		
Analyst:	BN		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.7	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.7	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.6	0.87	1
Vinyl chloride	ND		ug/kg	2.2	0.16	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	101		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305746

Project Number: Not Specified **Report Date:** 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/07/13 09:36
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG600105-3					
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.34	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Vinyl chloride	ND		ug/kg	2.0	0.14
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	101		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305746

Project Number: Not Specified **Report Date:** 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/08/13 10:24
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG600105-6					
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.27	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Vinyl chloride	ND		ug/kg	2.0	0.14
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305746
Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG600105-1 WG600105-2								
Methylene chloride	99		92		70-130	7		30
1,1-Dichloroethane	96		90		70-130	6		30
Chloroform	90		84		70-130	7		30
Carbon tetrachloride	94		85		70-130	10		30
1,2-Dichloropropane	94		88		70-130	7		30
Dibromochloromethane	91		87		70-130	4		30
2-Chloroethylvinyl ether	93		88			6		30
1,1,2-Trichloroethane	93		90		70-130	3		30
Tetrachloroethene	100		92		70-130	8		30
Chlorobenzene	94		89		70-130	5		30
Trichlorofluoromethane	92		82		70-139	11		30
1,2-Dichloroethane	79		77		70-130	3		30
1,1,1-Trichloroethane	91		83		70-130	9		30
Bromodichloromethane	86		83		70-130	4		30
trans-1,3-Dichloropropene	90		87		70-130	3		30
cis-1,3-Dichloropropene	89		86		70-130	3		30
1,1-Dichloropropene	96		88		70-130	9		30
Bromoform	86		85		70-130	1		30
1,1,2,2-Tetrachloroethane	91		91		70-130	0		30
Benzene	95		89		70-130	7		30
Toluene	96		89		70-130	8		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305746
Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG600105-1 WG600105-2								
Ethylbenzene	92		86		70-130	7		30
Chloromethane	128		114		52-130	12		30
Bromomethane	100		85		57-147	16		30
Vinyl chloride	123		109		67-130	12		30
Chloroethane	85		70		50-151	19		30
1,1-Dichloroethene	104		96		65-135	8		30
trans-1,2-Dichloroethene	98		90		70-130	9		30
Trichloroethene	94		87		70-130	8		30
1,2-Dichlorobenzene	93		89		70-130	4		30
1,3-Dichlorobenzene	95		90		70-130	5		30
1,4-Dichlorobenzene	94		90		70-130	4		30
Methyl tert butyl ether	85		84		66-130	1		30
p/m-Xylene	96		89		70-130	8		30
o-Xylene	93		88		70-130	6		30
cis-1,2-Dichloroethene	93		88		70-130	6		30
Dibromomethane	85		82		70-130	4		30
Styrene	90		85		70-130	6		30
Dichlorodifluoromethane	129		114		30-146	12		30
Acetone	104		89		54-140	16		30
Carbon disulfide	106		96		59-130	10		30
2-Butanone	90		83		70-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305746

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG600105-1 WG600105-2								
Vinyl acetate	82		82		70-130	0		30
4-Methyl-2-pentanone	84		83		70-130	1		30
1,2,3-Trichloropropane	88		87		68-130	1		30
2-Hexanone	81		77		70-130	5		30
Bromochloromethane	95		90		70-130	5		30
2,2-Dichloropropane	91		83		70-130	9		30
1,2-Dibromoethane	89		88		70-130	1		30
1,3-Dichloropropane	91		88		69-130	3		30
1,1,1,2-Tetrachloroethane	91		87		70-130	4		30
Bromobenzene	93		89		70-130	4		30
n-Butylbenzene	96		88		70-130	9		30
sec-Butylbenzene	96		88		70-130	9		30
tert-Butylbenzene	95		88		70-130	8		30
o-Chlorotoluene	93		88		70-130	6		30
p-Chlorotoluene	93		87		70-130	7		30
1,2-Dibromo-3-chloropropane	80		77		68-130	4		30
Hexachlorobutadiene	104		96		67-130	8		30
Isopropylbenzene	93		87		70-130	7		30
p-Isopropyltoluene	94		88		70-130	7		30
Naphthalene	92		90		70-130	2		30
Acrylonitrile	97		97		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305746

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG600105-1 WG600105-2								
Isopropyl Ether	92		89		66-130	3		30
tert-Butyl Alcohol	84		85		70-130	1		30
n-Propylbenzene	95		88		70-130	8		30
1,2,3-Trichlorobenzene	98		94		70-130	4		30
1,2,4-Trichlorobenzene	100		94		70-130	6		30
1,3,5-Trimethylbenzene	94		88		70-130	7		30
1,2,4-Trimethylbenzene	94		88		70-130	7		30
Methyl Acetate	91		91		70-130	0		30
Ethyl Acetate	87		86		70-130	1		30
Acrolein	81		81		70-130	0		30
Cyclohexane	111		102		70-130	8		30
1,4-Dioxane	101		102		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	112		100		70-130	11		30
1,4-Diethylbenzene	96		90		70-130	6		30
4-Ethyltoluene	96		90		70-130	6		30
1,2,4,5-Tetramethylbenzene	93		88		70-130	6		30
Tetrahydrofuran	91		91		66-130	0		30
Ethyl ether	80		77		67-130	4		30
trans-1,4-Dichloro-2-butene	82		83		70-130	1		30
Methyl cyclohexane	105		96		70-130	9		30
Ethyl-Tert-Butyl-Ether	87		84		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305746

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG600105-1 WG600105-2								
Tertiary-Amyl Methyl Ether	84		82		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	86		88		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	94		95		70-130
Dibromofluoromethane	100		99		70-130

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG600105-4 WG600105-5								
Methylene chloride	96		90		70-130	6		30
1,1-Dichloroethane	92		86		70-130	7		30
Chloroform	86		81		70-130	6		30
Carbon tetrachloride	92		81		70-130	13		30
1,2-Dichloropropane	91		86		70-130	6		30
Dibromochloromethane	88		85		70-130	3		30
2-Chloroethylvinyl ether	91		86			6		30
1,1,2-Trichloroethane	91		86		70-130	6		30
Tetrachloroethene	98		87		70-130	12		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305746
Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG600105-4 WG600105-5								
Chlorobenzene	91		86		70-130	6		30
Trichlorofluoromethane	87		76		70-139	13		30
1,2-Dichloroethane	76		74		70-130	3		30
1,1,1-Trichloroethane	88		79		70-130	11		30
Bromodichloromethane	82		80		70-130	2		30
trans-1,3-Dichloropropene	88		84		70-130	5		30
cis-1,3-Dichloropropene	87		83		70-130	5		30
1,1-Dichloropropene	93		82		70-130	13		30
Bromoform	83		83		70-130	0		30
1,1,2,2-Tetrachloroethane	88		87		70-130	1		30
Benzene	92		85		70-130	8		30
Toluene	93		84		70-130	10		30
Ethylbenzene	90		82		70-130	9		30
Chloromethane	120		111		52-130	8		30
Bromomethane	92		87		57-147	6		30
Vinyl chloride	116		100		67-130	15		30
Chloroethane	76		70		50-151	8		30
1,1-Dichloroethene	102		90		65-135	13		30
trans-1,2-Dichloroethene	95		86		70-130	10		30
Trichloroethene	91		82		70-130	10		30
1,2-Dichlorobenzene	88		86		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305746

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG600105-4 WG600105-5								
1,3-Dichlorobenzene	91		86		70-130	6		30
1,4-Dichlorobenzene	91		87		70-130	4		30
Methyl tert butyl ether	82		81		66-130	1		30
p/m-Xylene	93		85		70-130	9		30
o-Xylene	89		84		70-130	6		30
cis-1,2-Dichloroethene	90		85		70-130	6		30
Dibromomethane	83		80		70-130	4		30
Styrene	88		82		70-130	7		30
Dichlorodifluoromethane	116		99		30-146	16		30
Acetone	133		95		54-140	**33**	Q	30
Carbon disulfide	103		90		59-130	13		30
2-Butanone	105		85		70-130	21		30
Vinyl acetate	81		80		70-130	1		30
4-Methyl-2-pentanone	83		82		70-130	1		30
1,2,3-Trichloropropane	83		83		68-130	0		30
2-Hexanone	88		78		70-130	12		30
Bromochloromethane	92		88		70-130	4		30
2,2-Dichloropropane	88		79		70-130	11		30
1,2-Dibromoethane	87		85		70-130	2		30
1,3-Dichloropropane	88		86		69-130	2		30
1,1,1,2-Tetrachloroethane	90		84		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305746

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG600105-4 WG600105-5								
Bromobenzene	89		86		70-130	3		30
n-Butylbenzene	92		83		70-130	10		30
sec-Butylbenzene	92		84		70-130	9		30
tert-Butylbenzene	91		83		70-130	9		30
o-Chlorotoluene	87		84		70-130	4		30
p-Chlorotoluene	89		85		70-130	5		30
1,2-Dibromo-3-chloropropane	72		73		68-130	1		30
Hexachlorobutadiene	99		91		67-130	8		30
Isopropylbenzene	89		82		70-130	8		30
p-Isopropyltoluene	91		83		70-130	9		30
Naphthalene	87		87		70-130	0		30
Acrylonitrile	96		94		70-130	2		30
Isopropyl Ether	89		86		66-130	3		30
tert-Butyl Alcohol	83		82		70-130	1		30
n-Propylbenzene	90		84		70-130	7		30
1,2,3-Trichlorobenzene	93		91		70-130	2		30
1,2,4-Trichlorobenzene	95		92		70-130	3		30
1,3,5-Trimethylbenzene	90		84		70-130	7		30
1,2,4-Trimethylbenzene	90		84		70-130	7		30
Methyl Acetate	89		89		70-130	0		30
Ethyl Acetate	84		81		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305746

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG600105-4 WG600105-5								
Acrolein	78		76		70-130	3		30
Cyclohexane	108		94		70-130	14		30
1,4-Dioxane	94		92		65-136	2		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	109		93		70-130	16		30
1,4-Diethylbenzene	92		85		70-130	8		30
4-Ethyltoluene	92		85		70-130	8		30
1,2,4,5-Tetramethylbenzene	89		85		70-130	5		30
Tetrahydrofuran	89		88		66-130	1		30
Ethyl ether	76		73		67-130	4		30
trans-1,4-Dichloro-2-butene	80		78		70-130	3		30
Methyl cyclohexane	101		88		70-130	14		30
Ethyl-Tert-Butyl-Ether	84		82		70-130	2		30
Tertiary-Amyl Methyl Ether	82		80		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	85		85		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	99		98		70-130

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305746
Report Date: 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/09/13 22:17
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 04/08/13 12:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG600231-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	50	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	50	17.
Benzo(k)fluoranthene	ND		ug/kg	50	16.
Chrysene	ND		ug/kg	50	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	50	16.
Dibenzo(a,h)anthracene	ND		ug/kg	50	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	50		30-120
2,4,6-Tribromophenol	52		0-136
4-Terphenyl-d14	57		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305746

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG600231-2 WG600231-3								
Acenaphthene	68		75		31-137	10		50
1,2,4-Trichlorobenzene	52		67		38-107	25		50
Hexachlorobenzene	68		72		40-140	6		50
Bis(2-chloroethyl)ether	60		77		40-140	25		50
2-Chloronaphthalene	62		73		40-140	16		50
1,2-Dichlorobenzene	55		73		40-140	28		50
1,3-Dichlorobenzene	54		70		40-140	26		50
1,4-Dichlorobenzene	55		70		28-104	24		50
3,3'-Dichlorobenzidine	57		53		40-140	7		50
2,4-Dinitrotoluene	76		78		28-89	3		50
2,6-Dinitrotoluene	69		73		40-140	6		50
Fluoranthene	72		76		40-140	5		50
4-Chlorophenyl phenyl ether	68		72		40-140	6		50
4-Bromophenyl phenyl ether	68		69		40-140	1		50
Bis(2-chloroisopropyl)ether	68		85		40-140	22		50
Bis(2-chloroethoxy)methane	67		82		40-117	20		50
Hexachlorobutadiene	54		70		40-140	26		50
Hexachlorocyclopentadiene	47		62		40-140	28		50
Hexachloroethane	62		79		40-140	24		50
Isophorone	66		79		40-140	18		50
Naphthalene	57		72		40-140	23		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305746

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG600231-2 WG600231-3								
Nitrobenzene	61		78		40-140	24		50
NitrosoDiPhenylAmine(NDPA)/DPA	72		75			4		50
n-Nitrosodi-n-propylamine	69		85		32-121	21		50
Bis(2-Ethylhexyl)phthalate	93		97		40-140	4		50
Butyl benzyl phthalate	80		83		40-140	4		50
Di-n-butylphthalate	83		87		40-140	5		50
Di-n-octylphthalate	92		95		40-140	3		50
Diethyl phthalate	80		83		40-140	4		50
Dimethyl phthalate	76		79		40-140	4		50
Benzo(a)anthracene	77		80		40-140	4		50
Benzo(a)pyrene	78		81		40-140	4		50
Benzo(b)fluoranthene	74		78		40-140	5		50
Benzo(k)fluoranthene	79		82		40-140	4		50
Chrysene	79		82		40-140	4		50
Acenaphthylene	63		70		40-140	11		50
Anthracene	77		81		40-140	5		50
Benzo(ghi)perylene	78		82		40-140	5		50
Fluorene	71		76		40-140	7		50
Phenanthrene	75		80		40-140	6		50
Dibenzo(a,h)anthracene	78		82		40-140	5		50
Indeno(1,2,3-cd)Pyrene	74		78		40-140	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305746
Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG600231-2 WG600231-3								
Pyrene	72		74		35-142	3		50
Biphenyl	69		79			14		50
4-Chloroaniline	46		59		40-140	25		50
2-Nitroaniline	73		77		47-134	5		50
3-Nitroaniline	46		41		26-129	11		50
4-Nitroaniline	77		78		41-125	1		50
Dibenzofuran	68		75		40-140	10		50
2-Methylnaphthalene	55		65		40-140	17		50
1,2,4,5-Tetrachlorobenzene	66		79		40-117	18		50
Acetophenone	69		86		14-144	22		50
2,4,6-Trichlorophenol	66		71		30-130	7		50
P-Chloro-M-Cresol	77		84		26-103	9		50
2-Chlorophenol	64		82		25-102	25		50
2,4-Dichlorophenol	66		79		30-130	18		50
2,4-Dimethylphenol	70		84		30-130	18		50
2-Nitrophenol	63		77		30-130	20		50
4-Nitrophenol	51		45		11-114	13		50
2,4-Dinitrophenol	32		37		4-130	14		50
4,6-Dinitro-o-cresol	70		73		10-130	4		50
Pentachlorophenol	65		69		17-109	6		50
Phenol	69		86		26-90	22		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305746

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG600231-2 WG600231-3								
2-Methylphenol	68		85		30-130.	22		50
3-Methylphenol/4-Methylphenol	70		87		30-130	22		50
2,4,5-Trichlorophenol	70		73		30-130	4		50
Benzoic Acid	0		0			NC		50
Benzyl Alcohol	71		90		40-140	24		50
Carbazole	75		80		54-128	6		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	66		80		25-120
Phenol-d6	69		83		10-120
Nitrobenzene-d5	64		77		23-120
2-Fluorobiphenyl	58		65		30-120
2,4,6-Tribromophenol	71		73		0-136
4-Terphenyl-d14	59		59		18-120

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305746
Project Number: Not Specified
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305746-01
Client ID: N001015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 92%

Date Collected: 04/03/13 11:45
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	7.2		mg/kg	0.41	0.08	1	04/09/13 09:10	04/09/13 21:45	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305746
Project Number: Not Specified
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305746-02
Client ID: N005015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 86%

Date Collected: 04/03/13 09:15
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	24		mg/kg	0.44	0.09	1	04/09/13 09:10	04/09/13 21:48	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305746

Project Number: Not Specified **Report Date:** 04/18/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG600405-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Barium, Total	ND		mg/kg	0.40	0.12	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Copper, Total	ND		mg/kg	0.40	0.20	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Lead, Total	0.13	J	mg/kg	2.0	0.12	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Silver, Total	ND		mg/kg	0.40	0.08	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS
Zinc, Total	ND		mg/kg	2.0	0.20	1	04/09/13 09:10	04/09/13 14:23	1,6010C	MS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG600660-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/10/13 11:33	04/10/13 15:12	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305746

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG600405-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	104		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	98		-		82-117	-		
Chromium, Total	101		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	104		-		80-120	-		
Nickel, Total	104		-		82-117	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	100		-		66-134	-		
Zinc, Total	106		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG600660-2 SRM Lot Number: 0518-10-02								
Mercury, Total	111		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305746
Report Date: 04/18/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600405-4 QC Sample: L1305685-01 Client ID: MS Sample												
Arsenic, Total	2.3	11.1	14	106		-	-		75-125	-		35
Barium, Total	28.	185	210	98		-	-		75-125	-		35
Beryllium, Total	0.30	4.62	4.9	100		-	-		75-125	-		35
Cadmium, Total	ND	47.1	42	89		-	-		75-125	-		35
Chromium, Total	9.0	18.5	27	97		-	-		75-125	-		35
Copper, Total	14.	23.1	38	104		-	-		75-125	-		35
Lead, Total	6.5	47.1	55	103		-	-		75-125	-		35
Nickel, Total	8.9	46.2	53	96		-	-		75-125	-		35
Selenium, Total	0.75J	11.1	12	108		-	-		75-125	-		35
Silver, Total	ND	27.7	30	108		-	-		75-125	-		35
Zinc, Total	24.	46.2	70	100		-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600660-4 QC Sample: - Client ID: -												
Mercury, Total	ND	0.17	0.20	118		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305746
Report Date: 04/18/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600405-3 QC Sample: L1305685-01 Client ID: DUP Sample						
Arsenic, Total	2.3	2.2	mg/kg	4		35
Barium, Total	28.	25	mg/kg	11		35
Beryllium, Total	0.30	0.30	mg/kg	0		35
Cadmium, Total	ND	ND	mg/kg	NC		35
Chromium, Total	9.0	9.5	mg/kg	5		35
Copper, Total	14.	16	mg/kg	13		35
Lead, Total	6.5	6.2	mg/kg	5		35
Nickel, Total	8.9	8.8	mg/kg	1		35
Selenium, Total	0.75J	0.60J	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Zinc, Total	24.	25	mg/kg	4		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305746
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305746-01
Client ID: N001015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Date Collected: 04/03/13 11:45
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.1		%	0.100	NA	1	-	04/04/13 18:56	30,2540G	RD

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305746
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305746-02
Client ID: N005015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/03/13 09:15
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.3		%	0.100	NA	1	-	04/04/13 18:56	30,2540G	RD

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305746
Report Date: 04/18/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599637-1 QC Sample: L1305720-01 Client ID: DUP Sample						
Solids, Total	71.4	70.0	%	2		20

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305746
Report Date: 04/18/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 04/04/2013 14:05

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305746-01A	Vial MeOH preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305746-01B	Vial water preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305746-01C	Vial water preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305746-01D	Amber 100ml unpreserved	A	N/A	3.5	Y	Absent	TS(7)
L1305746-01E	Amber 120ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305746-01F	Amber 250ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305746-02A	Vial MeOH preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305746-02B	Vial water preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305746-02C	Vial water preserved	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1305746-02D	Amber 100ml unpreserved	A	N/A	3.5	Y	Absent	TS(7)
L1305746-02E	Amber 120ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305746
Report Date: 04/18/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305746-02F	Amber 250ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)

Container Comments

L1305746-01E

*Values in parentheses indicate holding time in days

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305746
Project Number:	Not Specified	**Report Date:**	04/18/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305746
Project Number:	Not Specified	**Report Date:**	04/18/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL World Class Chemistry

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab: 4/4/13

ALPHA Job #: L1305746

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Detection limits to meet NYSDEC Part 375 Requirements (Unrestricted)
Find %Moisture of each aliquot and calculate average for use as %Moisture of associated composite sample

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs-See attached list	Hexavalent Chromium-Hold	Cyanide-Hold	Metals-See attached list-Hold	PCBs-Hold	SVOCs-See attached list-Hold							Sample Specific Comments	Total # Bottles
05746.1	N001015	4/3	1145	S	[illegible]	☒	☒	☒	☒	☐	☒	☐	☐	☐	☐	☐	☐		
.2	N005015	4/3	915	S	[illegible]	☒	☒	☒	☒	☐	☒	☐	☐	☐	☐	☐	☐		

Container Type	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible signature]	4/3 1600	Kyle [illegible]	4/3/13 1600
Kyle [illegible]		[illegible signature]	4/3/13 22:04
[illegible signature]	4/4/13 0050	[illegible signature]	4/4/13 0050

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ)
(rev. 5-JAN-12)

ANALYTICAL REPORT

Lab Number:	L1305733
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/11/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305733
Report Date: 04/11/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305733-01	P010P011	GLENS FALLS NEW YORK	04/02/13 15:50

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305733
Project Number: Not Specified **Report Date:** 04/11/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305733
Project Number: Not Specified **Report Date:** 04/11/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 04/11/13

ORGANICS

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305733

Project Number: Not Specified **Report Date:** 04/11/13

SAMPLE RESULTS

Lab ID:	L1305733-01	Date Collected:	04/02/13 15:50
Client ID:	P010P011	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/04/13 07:47
Analytical Date:	04/09/13 12:00		
Analyst:	JB		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	51.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	ND		ug/kg	120	38.	1
Benzo(a)pyrene	ND		ug/kg	160	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	39.	1
Benzo(k)fluoranthene	ND		ug/kg	120	37.	1
Chrysene	ND		ug/kg	120	38.	1
Fluorene	ND		ug/kg	190	56.	1
Phenanthrene	ND		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	43.	1
2-Chlorophenol	ND		ug/kg	190	59.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	190	57.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		25-120
Phenol-d6	45		10-120
Nitrobenzene-d5	42		23-120
2-Fluorobiphenyl	57		30-120
2,4,6-Tribromophenol	59		0-136
4-Terphenyl-d14	72		18-120

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305733
Report Date: 04/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/08/13 17:19
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 04/04/13 07:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG599427-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	49	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	49	17.
Benzo(k)fluoranthene	ND		ug/kg	49	16.
Chrysene	ND		ug/kg	49	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	49	16.
Dibenzo(a,h)anthracene	ND		ug/kg	49	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		25-120
Phenol-d6	33		10-120
Nitrobenzene-d5	35		23-120
2-Fluorobiphenyl	37		30-120
2,4,6-Tribromophenol	44		0-136
4-Terphenyl-d14	57		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305733

Report Date: 04/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599427-2 WG599427-3								
Acenaphthene	54		66		31-137	20		50
1,2,4-Trichlorobenzene	54		68		38-107	23		50
Hexachlorobenzene	75		77		40-140	3		50
Bis(2-chloroethyl)ether	43		59		40-140	31		50
2-Chloronaphthalene	60		72		40-140	18		50
1,2-Dichlorobenzene	49		65		40-140	28		50
1,3-Dichlorobenzene	46		64		40-140	33		50
1,4-Dichlorobenzene	47		63		28-104	29		50
3,3'-Dichlorobenzidine	56		60		40-140	7		50
2,4-Dinitrotoluene	66		66		28-89	0		50
2,6-Dinitrotoluene	71		69		40-140	3		50
Fluoranthene	70		70		40-140	0		50
4-Chlorophenyl phenyl ether	65		68		40-140	5		50
4-Bromophenyl phenyl ether	73		77		40-140	5		50
Bis(2-chloroisopropyl)ether	**33**	Q	44		40-140	29		50
Bis(2-chloroethoxy)methane	47		60		40-117	24		50
Hexachlorobutadiene	56		75		40-140	29		50
Hexachlorocyclopentadiene	**20**	Q	**22**	Q	40-140	10		50
Hexachloroethane	44		60		40-140	31		50
Isophorone	46		57		40-140	21		50
Naphthalene	48		64		40-140	29		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305733

Report Date: 04/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599427-2 WG599427-3								
Nitrobenzene	46		57		40-140	21		50
NitrosoDiPhenylAmine(NDPA)/DPA	67		69			3		50
n-Nitrosodi-n-propylamine	43		58		32-121	30		50
Bis(2-Ethylhexyl)phthalate	67		68		40-140	1		50
Butyl benzyl phthalate	66		63		40-140	5		50
Di-n-butylphthalate	67		65		40-140	3		50
Di-n-octylphthalate	63		66		40-140	5		50
Diethyl phthalate	67		68		40-140	1		50
Dimethyl phthalate	64		69		40-140	8		50
Benzo(a)anthracene	70		72		40-140	3		50
Benzo(a)pyrene	72		70		40-140	3		50
Benzo(b)fluoranthene	74		71		40-140	4		50
Benzo(k)fluoranthene	73		76		40-140	4		50
Chrysene	70		68		40-140	3		50
Acenaphthylene	59		67		40-140	13		50
Anthracene	67		67		40-140	0		50
Benzo(ghi)perylene	66		62		40-140	6		50
Fluorene	64		67		40-140	5		50
Phenanthrene	69		66		40-140	4		50
Dibenzo(a,h)anthracene	68		67		40-140	1		50
Indeno(1,2,3-cd)Pyrene	65		64		40-140	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305733

Report Date: 04/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599427-2 WG599427-3								
Pyrene	70		70		35-142	0		50
Biphenyl	56		69			21		50
4-Chloroaniline	**25**	Q	**29**	Q	40-140	15		50
2-Nitroaniline	69		68		47-134	1		50
3-Nitroaniline	38		44		26-129	15		50
4-Nitroaniline	60		62		41-125	3		50
Dibenzofuran	57		66		40-140	15		50
2-Methylnaphthalene	54		65		40-140	18		50
1,2,4,5-Tetrachlorobenzene	56		75		40-117	29		50
Acetophenone	51		67		14-144	27		50
2,4,6-Trichlorophenol	72		77		30-130	7		50
P-Chloro-M-Cresol	65		70		26-103	7		50
2-Chlorophenol	51		70		25-102	31		50
2,4-Dichlorophenol	60		74		30-130	21		50
2,4-Dimethylphenol	52		66		30-130	24		50
2-Nitrophenol	54		71		30-130	27		50
4-Nitrophenol	73		71		11-114	3		50
2,4-Dinitrophenol	39		40		4-130	3		50
4,6-Dinitro-o-cresol	47		46		10-130	2		50
Pentachlorophenol	74		72		17-109	3		50
Phenol	46		60		26-90	26		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305733

Report Date: 04/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599427-2 WG599427-3								
2-Methylphenol	51		65		30-130.	24		50
3-Methylphenol/4-Methylphenol	53		67		30-130	23		50
2,4,5-Trichlorophenol	76		74		30-130	3		50
Benzoic Acid	28		30			7		50
Benzyl Alcohol	50		63		40-140	23		50
Carbazole	68		67		54-128	1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		67		25-120
Phenol-d6	50		64		10-120
Nitrobenzene-d5	49		61		23-120
2-Fluorobiphenyl	60		68		30-120
2,4,6-Tribromophenol	83		82		0-136
4-Terphenyl-d14	73		71		18-120

PCBS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305733

Project Number: Not Specified **Report Date:** 04/11/13

SAMPLE RESULTS

Lab ID:	L1305733-01	Date Collected:	04/02/13 15:50
Client ID:	P010P011	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	04/05/13 08:33
Analytical Date:	04/05/13 16:19	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	04/05/13
Percent Solids:	84%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	04/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	38.6	7.62	1
Aroclor 1221	ND		ug/kg	38.6	11.6	1
Aroclor 1232	ND		ug/kg	38.6	8.20	1
Aroclor 1242	ND		ug/kg	38.6	7.33	1
Aroclor 1248	ND		ug/kg	38.6	4.67	1
Aroclor 1254	ND		ug/kg	38.6	6.08	1
Aroclor 1260	ND		ug/kg	38.6	6.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	105		30-150
Decachlorobiphenyl	125		30-150
2,4,5,6-Tetrachloro-m-xylene	105		30-150
Decachlorobiphenyl	129		30-150

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305733

Report Date: 04/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/05/13 16:31
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 04/04/13 10:09
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/05/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/05/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG599477-1					
Aroclor 1016	ND		ug/kg	16.2	3.21
Aroclor 1221	ND		ug/kg	16.2	4.90
Aroclor 1232	ND		ug/kg	16.2	3.45
Aroclor 1242	ND		ug/kg	16.2	3.08
Aroclor 1248	ND		ug/kg	16.2	1.97
Aroclor 1254	ND		ug/kg	16.2	2.56
Aroclor 1260	ND		ug/kg	16.2	2.82

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	86		30-150
Decachlorobiphenyl	89		30-150
2,4,5,6-Tetrachloro-m-xylene	81		30-150
Decachlorobiphenyl	90		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305733

Report Date: 04/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG599477-2 WG599477-3								
Aroclor 1016	73		79		40-140	8		50
Aroclor 1260	76		83		40-140	9		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	64		69		30-150
Decachlorobiphenyl	75		78		30-150
2,4,5,6-Tetrachloro-m-xylene	65		70		30-150
Decachlorobiphenyl	75		77		30-150

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305733
Project Number: Not Specified
Report Date: 04/11/13

SAMPLE RESULTS

Lab ID: L1305733-01
Client ID: P010P011
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 84%

Date Collected: 04/02/13 15:50
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	1.4		mg/kg	0.47	0.14	2	04/04/13 12:05	04/10/13 15:25	EPA 3050B	1,6010C	MS
Barium, Total	22		mg/kg	0.47	0.14	2	04/04/13 12:05	04/10/13 15:25	EPA 3050B	1,6010C	MS
Beryllium, Total	0.32		mg/kg	0.24	0.02	2	04/04/13 12:05	04/10/13 15:25	EPA 3050B	1,6010C	MS
Cadmium, Total	1.7		mg/kg	0.47	0.03	2	04/04/13 12:05	04/10/13 15:25	EPA 3050B	1,6010C	MS
Chromium, Total	36		mg/kg	0.47	0.09	2	04/04/13 12:05	04/10/13 15:25	EPA 3050B	1,6010C	MS
Copper, Total	7.1		mg/kg	0.47	0.24	2	04/04/13 12:05	04/10/13 15:25	EPA 3050B	1,6010C	MS
Lead, Total	54		mg/kg	2.4	0.14	2	04/04/13 12:05	04/10/13 15:25	EPA 3050B	1,6010C	MS
Mercury, Total	ND		mg/kg	0.10	0.02	2	04/10/13 11:33	04/10/13 15:16	EPA 7471B	1,7471B	MC
Nickel, Total	6.0		mg/kg	1.2	0.19	2	04/04/13 12:05	04/10/13 15:25	EPA 3050B	1,6010C	MS
Selenium, Total	0.42	J	mg/kg	0.94	0.14	2	04/04/13 12:05	04/10/13 15:25	EPA 3050B	1,6010C	MS
Silver, Total	ND		mg/kg	0.47	0.09	2	04/04/13 12:05	04/10/13 15:25	EPA 3050B	1,6010C	MS
Zinc, Total	32		mg/kg	2.4	0.24	2	04/04/13 12:05	04/10/13 15:25	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305733

Project Number: Not Specified **Report Date:** 04/11/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG599523-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Barium, Total	0.18	J	mg/kg	0.40	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Copper, Total	ND		mg/kg	0.40	0.20	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Lead, Total	0.55	J	mg/kg	2.0	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Selenium, Total	0.12	J	mg/kg	0.80	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Silver, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Zinc, Total	0.39	J	mg/kg	2.0	0.20	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG600660-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/10/13 11:33	04/10/13 15:12	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305733

Report Date: 04/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG599523-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Chromium, Total	97		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	98		-		80-120	-		
Nickel, Total	94		-		82-117	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	97		-		66-134	-		
Zinc, Total	100		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG600660-2 SRM Lot Number: 0518-10-02								
Mercury, Total	111		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305733
Report Date: 04/11/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599523-4 QC Sample: L1305720-01 Client ID: MS Sample												
Arsenic, Total	6.0	12.9	17	85		-	-		75-125	-		35
Barium, Total	200	214	370	79		-	-		75-125	-		35
Beryllium, Total	1.0	5.36	6.0	93		-	-		75-125	-		35
Cadmium, Total	13.	55	63	91		-	-		75-125	-		35
Chromium, Total	260	21.4	320	**280**	Q	-	-		75-125	-		35
Copper, Total	58.	26.8	86	104		-	-		75-125	-		35
Lead, Total	170	54.7	280	**201**	Q	-	-		75-125	-		35
Nickel, Total	37.	53.6	76	**73**	Q	-	-		75-125	-		35
Selenium, Total	1.0J	12.9	13	101		-	-		75-125	-		35
Silver, Total	0.20J	32.2	34	106		-	-		75-125	-		35
Zinc, Total	130	53.6	180	93		-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600660-4 QC Sample: L1305746-01 Client ID: MS Sample												
Mercury, Total	ND	0.17	0.20	118		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305733
Report Date: 04/11/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599523-3 QC Sample: L1305720-01 Client ID: DUP Sample						
Arsenic, Total	6.0	4.4	mg/kg	31		35
Barium, Total	200	150	mg/kg	29		35
Beryllium, Total	1.0	0.87	mg/kg	14		35
Cadmium, Total	13.	11	mg/kg	17		35
Chromium, Total	260	160	mg/kg	**48**	Q	35
Copper, Total	58.	48	mg/kg	19		35
Lead, Total	170	140	mg/kg	19		35
Nickel, Total	37.	27	mg/kg	31		35
Selenium, Total	1.0J	1.1	mg/kg	NC		35
Silver, Total	0.20J	ND	mg/kg	NC		35
Zinc, Total	130	120	mg/kg	8		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600660-3 QC Sample: L1305746-01 Client ID: DUP Sample						
Mercury, Total	ND	0.02J	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305733
Report Date: 04/11/13

SAMPLE RESULTS

Lab ID: L1305733-01
Client ID: P010P011
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/02/13 15:50
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.1		%	0.100	NA	1	-	04/04/13 18:12	30,2540G	RD
Cyanide, Total	ND		mg/kg	1.2	0.27	2	04/05/13 13:56	04/09/13 12:19	1,9010C/9012A	DE

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305733

Project Number: Not Specified **Report Date:** 04/11/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG599895-1										
Cyanide, Total	ND		mg/kg	0.88	0.21	1	04/05/13 13:56	04/09/13 11:47	1,9010C/9012A	DE

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305733

Report Date: 04/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG599895-4 WG599895-5								
Cyanide, Total	112		116		80-120	4		35

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305733
Report Date: 04/11/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599895-3 WG599895-2 QC Sample: L1305685-03 Client ID: MS Sample												
Cyanide, Total	ND	12	3.5	**30**	Q	12	100		65-135	**110**	Q	35

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305733
Project Number:	Not Specified	**Report Date:**	04/11/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305733
Project Number:	Not Specified	**Report Date:**	04/11/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305733
Project Number:	Not Specified	**Report Date:**	04/11/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

Serial_No:04111311:41

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL — World Class Chemistry

Date Rec'd in Lab: 4/4/13

ALPHA Job #: L1305733

Westborough, MA — TEL: 508-898-9220 — FAX: 508-898-9193

Mansfield, MA — TEL: 508-822-9300 — FAX: 508-822-3288

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/10/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Extract/Digest Sample P010015 and Sample P011015.
Composite and analyze Extract/Digestate as Sample inidicated below.
Detection limits to meet NYSDEC Part 375 Requirements (0.5 x Unrestricted)
Use average of associated aliquot %Moisture for result calculations

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cyanide	Metals-See attached list (no Cr6+)	PCBs	SVOCs-See attached list									Sample Specific Comments	TOTAL # BOTTLES
05733.1	P010P011	4/2	1550	S	SK	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
					Container Type	-	-	-	-	-	-	-	-	-	-	-	-		
					Preservative	-	-	-	-	-	-	-	-	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/3 1600	Kyle Cunningham	4/3/13 1600
Kyle Cunningham	4/3/13 2100	[signature]	4/3/13 2204
[signature]		[signature]	4/4/13 00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 5-JAN-12)

JOB: L1305732 REPORT STYLE: Data Usability Report
001: Cover & Signature Pages - OK
006: Narrative Page(s) - OK
010: Cover Page - OK
011: Volatiles Sample Results - OK
012: Volatiles Blank Report - OK
013: Volatiles LCS Report - OK
018: Cover Page - OK
020: Semivolatiles Blank Report - OK
021: Semivolatiles LCS Report - OK
070: Cover Page - OK
072: PCB Blank Report - OK
074: PCB LCS Report - OK
100: Metals Sample Results - OK
101: Metals Blank Report - OK
102: Metals LCS Report - OK
104: Metals Matrix Spike Report - OK
105: Metals Duplicate Report - OK
118: Cover Page - OK
120: Wet Chemistry Sample Results - OK
125: Wet Chemistry Duplicate Report - OK
510: Container Report - OK
520: Glossary - OK
540: Reference Report - OK

No results found for sample L1305732-01 for product AG-TI
No results found for sample L1305732-01 for product AS-TI
No results found for sample L1305732-01 for product BA-TI
No results found for sample L1305732-01 for product BE-TI
No results found for sample L1305732-01 for product CU-TI
No results found for sample L1305732-01 for product HG-T
No results found for sample L1305732-01 for product NI-TI
No results found for sample L1305732-01 for product NYTCL-8082
No results found for sample L1305732-01 for product NYTCL-8270
No results found for sample L1305732-01 for product SE-TI
No results found for sample L1305732-01 for product TCN-9010
No results found for sample L1305732-01 for product ZN-TI
No results found for sample L1305732-02 for product AG-TI
No results found for sample L1305732-02 for product AS-TI
No results found for sample L1305732-02 for product BA-TI
No results found for sample L1305732-02 for product BE-TI
No results found for sample L1305732-02 for product CU-TI
No results found for sample L1305732-02 for product HG-T
No results found for sample L1305732-02 for product NI-TI

No results found for sample L1305732-02 for product NYTCL-8082
No results found for sample L1305732-02 for product NYTCL-8270
No results found for sample L1305732-02 for product SE-TI
No results found for sample L1305732-02 for product TCN-9010
No results found for sample L1305732-02 for product ZN-TI

ANALYTICAL REPORT

Lab Number:	L1305732
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/18/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305732
Report Date: 04/18/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305732-01	P010015	GLENS FALLS NEW YORK	04/02/13 15:50
L1305732-02	P011015	GLENS FALLS NEW YORK	04/02/13 14:50

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305732
Project Number: Not Specified **Report Date:** 04/18/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305732
Project Number:	Not Specified	**Report Date:**	04/18/13

Case Narrative (continued)

Report Submission

This partial report replaces the report issued on April 11, 2013. At the client's request, the samples were analyzed for Total Cadmium, Chromium and Lead. A final report will be issued as soon as the results of all requested analyses become available.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 04/18/13

ORGANICS

VOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305732

Project Number: Not Specified **Report Date:** 04/18/13

SAMPLE RESULTS

Lab ID:	L1305732-01	Date Collected:	04/02/13 15:50
Client ID:	P010015	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/06/13 23:24		
Analyst:	JC		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.4	0.33	1
Carbon tetrachloride	ND		ug/kg	0.90	0.19	1
Chlorobenzene	ND		ug/kg	0.90	0.31	1
1,2-Dichloroethane	ND		ug/kg	0.90	0.13	1
Benzene	ND		ug/kg	0.90	0.11	1
Toluene	0.24	J	ug/kg	1.4	0.10	1
Ethylbenzene	ND		ug/kg	0.90	0.13	1
Chloromethane	ND		ug/kg	4.5	0.71	1
Vinyl chloride	ND		ug/kg	1.8	0.13	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.19	1
Trichloroethene	ND		ug/kg	0.90	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	4.5	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	4.5	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	4.5	0.22	1
cis-1,2-Dichloroethene	ND		ug/kg	0.90	0.13	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	101		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305732

Project Number: Not Specified **Report Date:** 04/18/13

SAMPLE RESULTS

Lab ID:	L1305732-02	Date Collected:	04/02/13 14:50
Client ID:	P011015	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/06/13 23:52		
Analyst:	JC		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.1	0.22	1
Chlorobenzene	ND		ug/kg	1.1	0.37	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
Benzene	ND		ug/kg	1.1	0.12	1
Toluene	0.23	J	ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.3	0.84	1
Vinyl chloride	ND		ug/kg	2.1	0.15	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305732

Project Number: Not Specified **Report Date:** 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/13 13:34
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG600073-3					
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Vinyl chloride	ND		ug/kg	2.0	0.14
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305732

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600073-1 WG600073-2								
Methylene chloride	108		102		70-130	6		30
1,1-Dichloroethane	95		90		70-130	5		30
Chloroform	91		86		70-130	6		30
Carbon tetrachloride	83		76		70-130	9		30
1,2-Dichloropropane	93		91		70-130	2		30
Dibromochloromethane	91		90		70-130	1		30
2-Chloroethylvinyl ether	93		91			2		30
1,1,2-Trichloroethane	102		102		70-130	0		30
Tetrachloroethene	85		79		70-130	7		30
Chlorobenzene	90		86		70-130	5		30
Trichlorofluoromethane	90		84		70-139	7		30
1,2-Dichloroethane	98		96		70-130	2		30
1,1,1-Trichloroethane	86		80		70-130	7		30
Bromodichloromethane	93		88		70-130	6		30
trans-1,3-Dichloropropene	99		99		70-130	0		30
cis-1,3-Dichloropropene	90		88		70-130	2		30
1,1-Dichloropropene	85		80		70-130	6		30
Bromoform	90		92		70-130	2		30
1,1,2,2-Tetrachloroethane	105		107		70-130	2		30
Benzene	89		84		70-130	6		30
Toluene	94		89		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305732

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600073-1 WG600073-2								
Ethylbenzene	92		87		70-130	6		30
Chloromethane	125		112		52-130	11		30
Bromomethane	119		107		57-147	11		30
Vinyl chloride	106		96		67-130	10		30
Chloroethane	108		97		50-151	11		30
1,1-Dichloroethene	87		81		65-135	7		30
trans-1,2-Dichloroethene	84		79		70-130	6		30
Trichloroethene	85		82		70-130	4		30
1,2-Dichlorobenzene	92		91		70-130	1		30
1,3-Dichlorobenzene	93		90		70-130	3		30
1,4-Dichlorobenzene	93		91		70-130	2		30
Methyl tert butyl ether	86		86		66-130	0		30
p/m-Xylene	90		86		70-130	5		30
o-Xylene	88		86		70-130	2		30
cis-1,2-Dichloroethene	85		81		70-130	5		30
Dibromomethane	93		90		70-130	3		30
Styrene	92		89		70-130	3		30
Dichlorodifluoromethane	111		98		30-146	12		30
Acetone	134		120		54-140	11		30
Carbon disulfide	88		80		59-130	10		30
2-Butanone	119		114		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305732

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600073-1 WG600073-2								
Vinyl acetate	101		100		70-130	1		30
4-Methyl-2-pentanone	79		81		70-130	3		30
1,2,3-Trichloropropane	109		111		68-130	2		30
2-Hexanone	101		105		70-130	4		30
Bromochloromethane	89		86		70-130	3		30
2,2-Dichloropropane	90		84		70-130	7		30
1,2-Dibromoethane	91		91		70-130	0		30
1,3-Dichloropropane	99		99		69-130	0		30
1,1,1,2-Tetrachloroethane	90		87		70-130	3		30
Bromobenzene	90		86		70-130	5		30
n-Butylbenzene	100		94		70-130	6		30
sec-Butylbenzene	93		88		70-130	6		30
tert-Butylbenzene	88		84		70-130	5		30
o-Chlorotoluene	106		101		70-130	5		30
p-Chlorotoluene	101		97		70-130	4		30
1,2-Dibromo-3-chloropropane	99		104		68-130	5		30
Hexachlorobutadiene	90		85		67-130	6		30
Isopropylbenzene	90		84		70-130	7		30
p-Isopropyltoluene	90		86		70-130	5		30
Naphthalene	84		88		70-130	5		30
Acrylonitrile	102		101		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305732

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600073-1 WG600073-2								
Isopropyl Ether	99		96		66-130	3		30
tert-Butyl Alcohol	92		95		70-130	3		30
n-Propylbenzene	97		92		70-130	5		30
1,2,3-Trichlorobenzene	91		90		70-130	1		30
1,2,4-Trichlorobenzene	89		86		70-130	3		30
1,3,5-Trimethylbenzene	97		92		70-130	5		30
1,2,4-Trimethylbenzene	96		93		70-130	3		30
Methyl Acetate	106		110		70-130	4		30
Ethyl Acetate	100		104		70-130	4		30
Acrolein	101		105		70-130	4		30
Cyclohexane	94		88		70-130	7		30
1,4-Dioxane	87		88		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	93		85		70-130	9		30
1,4-Diethylbenzene	92		86		70-130	7		30
4-Ethyltoluene	94		90		70-130	4		30
1,2,4,5-Tetramethylbenzene	88		86		70-130	2		30
Tetrahydrofuran	97		96		66-130	1		30
Ethyl ether	88		88		67-130	0		30
trans-1,4-Dichloro-2-butene	126		126		70-130	0		30
Methyl cyclohexane	85		78		70-130	9		30
Ethyl-Tert-Butyl-Ether	91		91		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305732

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600073-1 WG600073-2								
Tertiary-Amyl Methyl Ether	84		84		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		112		70-130
Toluene-d8	110		111		70-130
4-Bromofluorobenzene	103		106		70-130
Dibromofluoromethane	99		100		70-130

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305732
Report Date: 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/08/13 17:19
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 04/04/13 07:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG599427-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	49	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	49	17.
Benzo(k)fluoranthene	ND		ug/kg	49	16.
Chrysene	ND		ug/kg	49	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	49	16.
Dibenzo(a,h)anthracene	ND		ug/kg	49	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		25-120
Phenol-d6	33		10-120
Nitrobenzene-d5	35		23-120
2-Fluorobiphenyl	37		30-120
2,4,6-Tribromophenol	44		0-136
4-Terphenyl-d14	57		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305732

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599427-2 WG599427-3								
Acenaphthene	54		66		31-137	20		50
1,2,4-Trichlorobenzene	54		68		38-107	23		50
Hexachlorobenzene	75		77		40-140	3		50
Bis(2-chloroethyl)ether	43		59		40-140	31		50
2-Chloronaphthalene	60		72		40-140	18		50
1,2-Dichlorobenzene	49		65		40-140	28		50
1,3-Dichlorobenzene	46		64		40-140	33		50
1,4-Dichlorobenzene	47		63		28-104	29		50
3,3'-Dichlorobenzidine	56		60		40-140	7		50
2,4-Dinitrotoluene	66		66		28-89	0		50
2,6-Dinitrotoluene	71		69		40-140	3		50
Fluoranthene	70		70		40-140	0		50
4-Chlorophenyl phenyl ether	65		68		40-140	5		50
4-Bromophenyl phenyl ether	73		77		40-140	5		50
Bis(2-chloroisopropyl)ether	**33**	Q	44		40-140	29		50
Bis(2-chloroethoxy)methane	47		60		40-117	24		50
Hexachlorobutadiene	56		75		40-140	29		50
Hexachlorocyclopentadiene	**20**	Q	**22**	Q	40-140	10		50
Hexachloroethane	44		60		40-140	31		50
Isophorone	46		57		40-140	21		50
Naphthalene	48		64		40-140	29		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305732

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599427-2 WG599427-3								
Nitrobenzene	46		57		40-140	21		50
NitrosoDiPhenylAmine(NDPA)/DPA	67		69			3		50
n-Nitrosodi-n-propylamine	43		58		32-121	30		50
Bis(2-Ethylhexyl)phthalate	67		68		40-140	1		50
Butyl benzyl phthalate	66		63		40-140	5		50
Di-n-butylphthalate	67		65		40-140	3		50
Di-n-octylphthalate	63		66		40-140	5		50
Diethyl phthalate	67		68		40-140	1		50
Dimethyl phthalate	64		69		40-140	8		50
Benzo(a)anthracene	70		72		40-140	3		50
Benzo(a)pyrene	72		70		40-140	3		50
Benzo(b)fluoranthene	74		71		40-140	4		50
Benzo(k)fluoranthene	73		76		40-140	4		50
Chrysene	70		68		40-140	3		50
Acenaphthylene	59		67		40-140	13		50
Anthracene	67		67		40-140	0		50
Benzo(ghi)perylene	66		62		40-140	6		50
Fluorene	64		67		40-140	5		50
Phenanthrene	69		66		40-140	4		50
Dibenzo(a,h)anthracene	68		67		40-140	1		50
Indeno(1,2,3-cd)Pyrene	65		64		40-140	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305732

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599427-2 WG599427-3								
Pyrene	70		70		35-142	0		50
Biphenyl	56		69			21		50
4-Chloroaniline	**25**	Q	**29**	Q	40-140	15		50
2-Nitroaniline	69		68		47-134	1		50
3-Nitroaniline	38		44		26-129	15		50
4-Nitroaniline	60		62		41-125	3		50
Dibenzofuran	57		66		40-140	15		50
2-Methylnaphthalene	54		65		40-140	18		50
1,2,4,5-Tetrachlorobenzene	56		75		40-117	29		50
Acetophenone	51		67		14-144	27		50
2,4,6-Trichlorophenol	72		77		30-130	7		50
P-Chloro-M-Cresol	65		70		26-103	7		50
2-Chlorophenol	51		70		25-102	31		50
2,4-Dichlorophenol	60		74		30-130	21		50
2,4-Dimethylphenol	52		66		30-130	24		50
2-Nitrophenol	54		71		30-130	27		50
4-Nitrophenol	73		71		11-114	3		50
2,4-Dinitrophenol	39		40		4-130	3		50
4,6-Dinitro-o-cresol	47		46		10-130	2		50
Pentachlorophenol	74		72		17-109	3		50
Phenol	46		60		26-90	26		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305732

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599427-2 WG599427-3								
2-Methylphenol	51		65		30-130.	24		50
3-Methylphenol/4-Methylphenol	53		67		30-130	23		50
2,4,5-Trichlorophenol	76		74		30-130	3		50
Benzoic Acid	28		30			7		50
Benzyl Alcohol	50		63		40-140	23		50
Carbazole	68		67		54-128	1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		67		25-120
Phenol-d6	50		64		10-120
Nitrobenzene-d5	49		61		23-120
2-Fluorobiphenyl	60		68		30-120
2,4,6-Tribromophenol	83		82		0-136
4-Terphenyl-d14	73		71		18-120

PCBS

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305732

Report Date: 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/05/13 16:31
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 04/04/13 10:09
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/05/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/05/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG599477-1					
Aroclor 1016	ND		ug/kg	16.2	3.21
Aroclor 1221	ND		ug/kg	16.2	4.90
Aroclor 1232	ND		ug/kg	16.2	3.45
Aroclor 1242	ND		ug/kg	16.2	3.08
Aroclor 1248	ND		ug/kg	16.2	1.97
Aroclor 1254	ND		ug/kg	16.2	2.56
Aroclor 1260	ND		ug/kg	16.2	2.82

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	86		30-150
Decachlorobiphenyl	89		30-150
2,4,5,6-Tetrachloro-m-xylene	81		30-150
Decachlorobiphenyl	90		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305732

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG599477-2 WG599477-3								
Aroclor 1016	73		79		40-140	8		50
Aroclor 1260	76		83		40-140	9		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	64		69		30-150
Decachlorobiphenyl	75		78		30-150
2,4,5,6-Tetrachloro-m-xylene	65		70		30-150
Decachlorobiphenyl	75		77		30-150

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305732
Project Number: Not Specified
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305732-01
Client ID: P010015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 82%

Date Collected: 04/02/13 15:50
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	3.7		mg/kg	0.49	0.03	1	04/04/13 12:52	04/05/13 00:04	EPA 3050B	1,6010C	BM
Chromium, Total	63		mg/kg	0.49	0.10	1	04/04/13 12:52	04/05/13 00:04	EPA 3050B	1,6010C	BM
Lead, Total	94		mg/kg	2.5	0.15	1	04/04/13 12:52	04/05/13 00:04	EPA 3050B	1,6010C	BM

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305732
Project Number: Not Specified
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305732-02
Client ID: P011015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 87%

Date Collected: 04/02/13 14:50
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	0.13	J	mg/kg	0.45	0.03	1	04/04/13 12:52	04/05/13 00:07	EPA 3050B	1,6010C	BM
Chromium, Total	8.2		mg/kg	0.45	0.09	1	04/04/13 12:52	04/05/13 00:07	EPA 3050B	1,6010C	BM
Lead, Total	10		mg/kg	2.2	0.13	1	04/04/13 12:52	04/05/13 00:07	EPA 3050B	1,6010C	BM

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305732

Project Number: Not Specified **Report Date:** 04/18/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG599523-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Barium, Total	0.18	J	mg/kg	0.40	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Copper, Total	ND		mg/kg	0.40	0.20	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Lead, Total	0.55	J	mg/kg	2.0	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Selenium, Total	0.12	J	mg/kg	0.80	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Silver, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Zinc, Total	0.39	J	mg/kg	2.0	0.20	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG600659-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/10/13 11:33	04/10/13 14:16	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305732

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG599523-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Chromium, Total	97		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	98		-		80-120	-		
Nickel, Total	94		-		82-117	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	97		-		66-134	-		
Zinc, Total	100		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG600659-2 SRM Lot Number: 0518-10-02								
Mercury, Total	111		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305732
Report Date: 04/18/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599523-4 QC Sample: L1305720-01 Client ID: MS Sample												
Arsenic, Total	6.0	12.9	17	85		-	-		75-125	-		35
Barium, Total	200	214	370	79		-	-		75-125	-		35
Beryllium, Total	1.0	5.36	6.0	93		-	-		75-125	-		35
Cadmium, Total	13.	55	63	91		-	-		75-125	-		35
Chromium, Total	260	21.4	320	**280**	Q	-	-		75-125	-		35
Copper, Total	58.	26.8	86	104		-	-		75-125	-		35
Lead, Total	170	54.7	280	**201**	Q	-	-		75-125	-		35
Nickel, Total	37.	53.6	76	**73**	Q	-	-		75-125	-		35
Selenium, Total	1.0J	12.9	13	101		-	-		75-125	-		35
Silver, Total	0.20J	32.2	34	106		-	-		75-125	-		35
Zinc, Total	130	53.6	180	93		-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600659-4 QC Sample: L1305720-01 Client ID: MS Sample												
Mercury, Total	0.18	0.181	1.1	**507**	Q	-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305732
Report Date: 04/18/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599523-3 QC Sample: L1305720-01 Client ID: DUP Sample						
Barium, Total	200	150	mg/kg	29		35
Cadmium, Total	13.	11	mg/kg	17		35
Chromium, Total	260	160	mg/kg	**48**	Q	35
Copper, Total	58.	48	mg/kg	19		35
Lead, Total	170	140	mg/kg	19		35
Nickel, Total	37.	27	mg/kg	31		35
Selenium, Total	1.0J	1.1	mg/kg	NC		35
Zinc, Total	130	120	mg/kg	8		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600659-3 QC Sample: L1305720-01 Client ID: DUP Sample						
Mercury, Total	0.18	1.5	mg/kg	**157**	Q	35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305732
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305732-01
Client ID: P010015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/02/13 15:50
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.5		%	0.100	NA	1	-	04/04/13 18:12	30,2540G	RD

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305732
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305732-02
Client ID: P011015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/02/13 14:50
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.8		%	0.100	NA	1	-	04/04/13 18:12	30,2540G	RD

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305732
Report Date: 04/18/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599630-1 QC Sample: L1305492-02 Client ID: DUP Sample						
Solids, Total	92.7	92.9	%	0		20

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305732
Report Date: 04/18/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 04/04/2013 05:20

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305732-01A	Vial MeOH preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305732-01B	Vial water preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305732-01C	Vial water preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305732-01D	Plastic 2oz unpreserved for TS	A	N/A	3.1	Y	Absent	TS(7)
L1305732-01E	Amber 120ml unpreserved	A	N/A	3.1	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1305732-01F	Amber 250ml unpreserved	A	N/A	3.1	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1305732-02A	Vial MeOH preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305732-02B	Vial water preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305732-02C	Vial water preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305732-02D	Plastic 2oz unpreserved for TS	A	N/A	3.1	Y	Absent	TS(7)
L1305732-02E	Amber 120ml unpreserved	A	N/A	3.1	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305732
Report Date: 04/18/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305732-02F	Amber 250ml unpreserved	A	N/A	3.1	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305732
Project Number:	Not Specified	**Report Date:**	04/18/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305732
Project Number:	Not Specified	**Report Date:**	04/18/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL World Class Chemistry

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/4/13

ALPHA Job #: L1305732

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/10/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Detection limits to meet NYSDEC Part 375 Requirements (Unrestricted)
Find %Moisture of each aliquot and calculate average for use as %Moisture of associated composite sample

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs-See attached list	Hexavalent Chromium-Hold	Cyanide-Hold	Metals-See attached list-Hold	PCBs-Hold	SVOCs-See attached list-Hold	Sample Specific Comments	TOTAL # BOTTLES
05732.1	P010015	4/2	1550	S	[illegible]	☒	☒	☒	☒	☒	☒		
2	P011015	4/2	1450	S	[illegible]	☒	☒	☒	☒	☒	☒		

SAMPLE HANDLING

Filtration

☐ Done

☐ Not Needed

☐ Lab to do

Preservation

☒ Lab to do

(Please specify below)

Container Type	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/3 1600	Kyle Cunningham	4/3/13 1600
Kyle Cunningham	4/3/13 2304	[signature]	4/3/13 2304
[signature]	4/4/13 0100	[signature]	4/4/13 0100

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 5-JAN-12)

ANALYTICAL REPORT

Lab Number:	L1305731
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/10/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305731
Report Date: 04/10/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305731-01	P008P014	GLENS FALLS NEW YORK	04/02/13 13:55

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305731
Project Number: Not Specified **Report Date:** 04/10/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305731
Project Number:	Not Specified	**Report Date:**	04/10/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 04/10/13

ORGANICS

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305731

Project Number: Not Specified **Report Date:** 04/10/13

SAMPLE RESULTS

Lab ID:	L1305731-01	Date Collected:	04/02/13 13:55
Client ID:	P008P014	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/04/13 07:47
Analytical Date:	04/08/13 22:40		
Analyst:	JB		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	48.	1
Dimethyl phthalate	ND		ug/kg	180	47.	1
Benzo(a)anthracene	ND		ug/kg	110	36.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	37.	1
Benzo(k)fluoranthene	ND		ug/kg	110	35.	1
Chrysene	ND		ug/kg	110	36.	1
Fluorene	ND		ug/kg	180	53.	1
Phenanthrene	ND		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	36.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	41.	1
2-Chlorophenol	ND		ug/kg	180	56.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	55.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	96		25-120
Phenol-d6	94		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	107		30-120
2,4,6-Tribromophenol	129		0-136
4-Terphenyl-d14	117		18-120

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305731
Report Date: 04/10/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/08/13 17:19
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 04/04/13 07:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG599427-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	49	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	49	17.
Benzo(k)fluoranthene	ND		ug/kg	49	16.
Chrysene	ND		ug/kg	49	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	49	16.
Dibenzo(a,h)anthracene	ND		ug/kg	49	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		25-120
Phenol-d6	33		10-120
Nitrobenzene-d5	35		23-120
2-Fluorobiphenyl	37		30-120
2,4,6-Tribromophenol	44		0-136
4-Terphenyl-d14	57		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305731

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599427-2 WG599427-3								
Acenaphthene	54		66		31-137	20		50
1,2,4-Trichlorobenzene	54		68		38-107	23		50
Hexachlorobenzene	75		77		40-140	3		50
Bis(2-chloroethyl)ether	43		59		40-140	31		50
2-Chloronaphthalene	60		72		40-140	18		50
1,2-Dichlorobenzene	49		65		40-140	28		50
1,3-Dichlorobenzene	46		64		40-140	33		50
1,4-Dichlorobenzene	47		63		28-104	29		50
3,3'-Dichlorobenzidine	56		60		40-140	7		50
2,4-Dinitrotoluene	66		66		28-89	0		50
2,6-Dinitrotoluene	71		69		40-140	3		50
Fluoranthene	70		70		40-140	0		50
4-Chlorophenyl phenyl ether	65		68		40-140	5		50
4-Bromophenyl phenyl ether	73		77		40-140	5		50
Bis(2-chloroisopropyl)ether	**33**	Q	44		40-140	29		50
Bis(2-chloroethoxy)methane	47		60		40-117	24		50
Hexachlorobutadiene	56		75		40-140	29		50
Hexachlorocyclopentadiene	**20**	Q	**22**	Q	40-140	10		50
Hexachloroethane	44		60		40-140	31		50
Isophorone	46		57		40-140	21		50
Naphthalene	48		64		40-140	29		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305731
Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599427-2 WG599427-3								
Nitrobenzene	46		57		40-140	21		50
NitrosoDiPhenylAmine(NDPA)/DPA	67		69			3		50
n-Nitrosodi-n-propylamine	43		58		32-121	30		50
Bis(2-Ethylhexyl)phthalate	67		68		40-140	1		50
Butyl benzyl phthalate	66		63		40-140	5		50
Di-n-butylphthalate	67		65		40-140	3		50
Di-n-octylphthalate	63		66		40-140	5		50
Diethyl phthalate	67		68		40-140	1		50
Dimethyl phthalate	64		69		40-140	8		50
Benzo(a)anthracene	70		72		40-140	3		50
Benzo(a)pyrene	72		70		40-140	3		50
Benzo(b)fluoranthene	74		71		40-140	4		50
Benzo(k)fluoranthene	73		76		40-140	4		50
Chrysene	70		68		40-140	3		50
Acenaphthylene	59		67		40-140	13		50
Anthracene	67		67		40-140	0		50
Benzo(ghi)perylene	66		62		40-140	6		50
Fluorene	64		67		40-140	5		50
Phenanthrene	69		66		40-140	4		50
Dibenzo(a,h)anthracene	68		67		40-140	1		50
Indeno(1,2,3-cd)Pyrene	65		64		40-140	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305731
Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599427-2 WG599427-3								
Pyrene	70		70		35-142	0		50
Biphenyl	56		69			21		50
4-Chloroaniline	**25**	Q	**29**	Q	40-140	15		50
2-Nitroaniline	69		68		47-134	1		50
3-Nitroaniline	38		44		26-129	15		50
4-Nitroaniline	60		62		41-125	3		50
Dibenzofuran	57		66		40-140	15		50
2-Methylnaphthalene	54		65		40-140	18		50
1,2,4,5-Tetrachlorobenzene	56		75		40-117	29		50
Acetophenone	51		67		14-144	27		50
2,4,6-Trichlorophenol	72		77		30-130	7		50
P-Chloro-M-Cresol	65		70		26-103	7		50
2-Chlorophenol	51		70		25-102	31		50
2,4-Dichlorophenol	60		74		30-130	21		50
2,4-Dimethylphenol	52		66		30-130	24		50
2-Nitrophenol	54		71		30-130	27		50
4-Nitrophenol	73		71		11-114	3		50
2,4-Dinitrophenol	39		40		4-130	3		50
4,6-Dinitro-o-cresol	47		46		10-130	2		50
Pentachlorophenol	74		72		17-109	3		50
Phenol	46		60		26-90	26		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305731

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599427-2 WG599427-3								
2-Methylphenol	51		65		30-130.	24		50
3-Methylphenol/4-Methylphenol	53		67		30-130	23		50
2,4,5-Trichlorophenol	76		74		30-130	3		50
Benzoic Acid	28		30			7		50
Benzyl Alcohol	50		63		40-140	23		50
Carbazole	68		67		54-128	1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		67		25-120
Phenol-d6	50		64		10-120
Nitrobenzene-d5	49		61		23-120
2-Fluorobiphenyl	60		68		30-120
2,4,6-Tribromophenol	83		82		0-136
4-Terphenyl-d14	73		71		18-120

PCBS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305731

Project Number: Not Specified **Report Date:** 04/10/13

SAMPLE RESULTS

Lab ID:	L1305731-01	Date Collected:	04/02/13 13:55
Client ID:	P008P014	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	04/05/13 08:33
Analytical Date:	04/05/13 16:07	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	04/05/13
Percent Solids:	89%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	04/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	36.6	7.24	1
Aroclor 1221	ND		ug/kg	36.6	11.0	1
Aroclor 1232	ND		ug/kg	36.6	7.79	1
Aroclor 1242	ND		ug/kg	36.6	6.96	1
Aroclor 1248	ND		ug/kg	36.6	4.43	1
Aroclor 1254	ND		ug/kg	36.6	5.78	1
Aroclor 1260	ND		ug/kg	36.6	6.36	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	119		30-150
Decachlorobiphenyl	130		30-150
2,4,5,6-Tetrachloro-m-xylene	119		30-150
Decachlorobiphenyl	137		30-150

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305731

Report Date: 04/10/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/05/13 16:31
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 04/04/13 10:09
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/05/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/05/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG599477-1					
Aroclor 1016	ND		ug/kg	16.2	3.21
Aroclor 1221	ND		ug/kg	16.2	4.90
Aroclor 1232	ND		ug/kg	16.2	3.45
Aroclor 1242	ND		ug/kg	16.2	3.08
Aroclor 1248	ND		ug/kg	16.2	1.97
Aroclor 1254	ND		ug/kg	16.2	2.56
Aroclor 1260	ND		ug/kg	16.2	2.82

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	86		30-150
Decachlorobiphenyl	89		30-150
2,4,5,6-Tetrachloro-m-xylene	81		30-150
Decachlorobiphenyl	90		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305731

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG599477-2 WG599477-3								
Aroclor 1016	73		79		40-140	8		50
Aroclor 1260	76		83		40-140	9		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	64		69		30-150
Decachlorobiphenyl	75		78		30-150
2,4,5,6-Tetrachloro-m-xylene	65		70		30-150
Decachlorobiphenyl	75		77		30-150

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305731
Project Number: Not Specified
Report Date: 04/10/13

SAMPLE RESULTS

Lab ID: L1305731-01
Client ID: P008P014
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 89%

Date Collected: 04/02/13 13:55
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	1.2		mg/kg	0.43	0.13	2	04/04/13 12:05	04/10/13 15:21	EPA 3050B	1,6010C	MS
Barium, Total	74		mg/kg	0.43	0.13	2	04/04/13 12:05	04/10/13 15:21	EPA 3050B	1,6010C	MS
Beryllium, Total	0.32		mg/kg	0.21	0.02	2	04/04/13 12:05	04/10/13 15:21	EPA 3050B	1,6010C	MS
Cadmium, Total	0.80		mg/kg	0.43	0.03	2	04/04/13 12:05	04/10/13 15:21	EPA 3050B	1,6010C	MS
Chromium, Total	17		mg/kg	0.43	0.09	2	04/04/13 12:05	04/10/13 15:21	EPA 3050B	1,6010C	MS
Copper, Total	6.4		mg/kg	0.43	0.21	2	04/04/13 12:05	04/10/13 15:21	EPA 3050B	1,6010C	MS
Lead, Total	23		mg/kg	2.1	0.13	2	04/04/13 12:05	04/10/13 15:21	EPA 3050B	1,6010C	MS
Mercury, Total	ND		mg/kg	0.07	0.02	2	04/10/13 11:33	04/10/13 15:07	EPA 7471B	1,7471B	MC
Nickel, Total	5.8		mg/kg	1.1	0.17	2	04/04/13 12:05	04/10/13 15:21	EPA 3050B	1,6010C	MS
Selenium, Total	0.65	J	mg/kg	0.86	0.13	2	04/04/13 12:05	04/10/13 15:21	EPA 3050B	1,6010C	MS
Silver, Total	ND		mg/kg	0.43	0.09	2	04/04/13 12:05	04/10/13 15:21	EPA 3050B	1,6010C	MS
Zinc, Total	40		mg/kg	2.1	0.21	2	04/04/13 12:05	04/10/13 15:21	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305731

Project Number: Not Specified **Report Date:** 04/10/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG599523-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Barium, Total	0.18	J	mg/kg	0.40	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Copper, Total	ND		mg/kg	0.40	0.20	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Lead, Total	0.55	J	mg/kg	2.0	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Selenium, Total	0.12	J	mg/kg	0.80	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Silver, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Zinc, Total	0.39	J	mg/kg	2.0	0.20	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG600659-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/10/13 11:33	04/10/13 14:16	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305731

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG599523-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Chromium, Total	97		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	98		-		80-120	-		
Nickel, Total	94		-		82-117	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	97		-		66-134	-		
Zinc, Total	100		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG600659-2 SRM Lot Number: 0518-10-02								
Mercury, Total	111		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305731
Report Date: 04/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599523-4 QC Sample: L1305720-01 Client ID: MS Sample												
Arsenic, Total	6.0	12.9	17	85		-	-		75-125	-		35
Barium, Total	200	214	370	79		-	-		75-125	-		35
Beryllium, Total	1.0	5.36	6.0	93		-	-		75-125	-		35
Cadmium, Total	13.	55	63	91		-	-		75-125	-		35
Chromium, Total	260	21.4	320	**280**	Q	-	-		75-125	-		35
Copper, Total	58.	26.8	86	104		-	-		75-125	-		35
Lead, Total	170	54.7	280	**201**	Q	-	-		75-125	-		35
Nickel, Total	37.	53.6	76	**73**	Q	-	-		75-125	-		35
Selenium, Total	1.0J	12.9	13	101		-	-		75-125	-		35
Silver, Total	0.20J	32.2	34	106		-	-		75-125	-		35
Zinc, Total	130	53.6	180	93		-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600659-4 QC Sample: L1305720-01 Client ID: MS Sample												
Mercury, Total	0.18	0.181	1.1	**507**	Q	-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305731
Report Date: 04/10/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599523-3 QC Sample: L1305720-01 Client ID: DUP Sample						
Arsenic, Total	6.0	4.4	mg/kg	31		35
Barium, Total	200	150	mg/kg	29		35
Beryllium, Total	1.0	0.87	mg/kg	14		35
Cadmium, Total	13.	11	mg/kg	17		35
Chromium, Total	260	160	mg/kg	**48**	Q	35
Copper, Total	58.	48	mg/kg	19		35
Lead, Total	170	140	mg/kg	19		35
Nickel, Total	37.	27	mg/kg	31		35
Selenium, Total	1.0J	1.1	mg/kg	NC		35
Silver, Total	0.20J	ND	mg/kg	NC		35
Zinc, Total	130	120	mg/kg	8		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600659-3 QC Sample: L1305720-01 Client ID: DUP Sample						
Mercury, Total	0.18	1.5	mg/kg	**157**	Q	35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305731
Report Date: 04/10/13

SAMPLE RESULTS

Lab ID: L1305731-01
Client ID: P008P014
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/02/13 13:55
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.8		%	0.100	NA	1	-	04/04/13 18:12	30,2540G	RD
Cyanide, Total	ND		mg/kg	1.0	0.24	2	04/05/13 13:56	04/09/13 12:17	1,9010C/9012A	DE

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305731

Project Number: Not Specified **Report Date:** 04/10/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG599895-1										
Cyanide, Total	ND		mg/kg	0.88	0.21	1	04/05/13 13:56	04/09/13 11:47	1,9010C/9012A	DE

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305731

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG599895-4 WG599895-5								
Cyanide, Total	112		116		80-120	4		35

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305731
Report Date: 04/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599895-3 WG599895-2 QC Sample: L1305685-03 Client ID: MS Sample												
Cyanide, Total	ND	12	3.5	**30**	Q	12	100		65-135	**110**	Q	35

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305731
Project Number:	Not Specified	**Report Date:**	04/10/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305731
Project Number:	Not Specified	**Report Date:**	04/10/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305731
Project Number:	Not Specified	**Report Date:**	04/10/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF COUNTODY

PAGE OF

ALPHA ANALYTICAL
World Class Chemistry

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab: 4/4/13

ALPHA Job #: L1305731

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/10/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Extract/Digest Sample P008015 and Sample P014015.
Composite and analyze Extract/Digestate as Sample inidicated below.
Detection limits to meet NYSDEC Part 375 Requirements (0.5 x Unrestricted)
Use average of associated aliquot %Moisture for result calculations

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cyanide	Metals-See attached list (no Cr6+)	PCBs	SVOCs-See attached list									Sample Specific Comments	TOTAL # BOTTLES
05731 . 1	P008P014	4/2	1355	S	SK	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
Container Type						-	-	-	-	-	-	-	-	-	-	-	-		
Preservative						-	-	-	-	-	-	-	-	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
Kyle Cunningham	4/3 1600	Kyle Cunningham	4/3/13 1600
Kyle Cunningham		[illegible]	4/3/13 2304
[illegible]	4/4/13 0050	[illegible]	4/4/13 0050

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ)
(rev. 5-JAN-12)

JOB: L1305730 REPORT STYLE: Data Usability Report
001: Cover & Signature Pages - OK
006: Narrative Page(s) - OK
010: Cover Page - OK
011: Volatiles Sample Results - OK
012: Volatiles Blank Report - OK
013: Volatiles LCS Report - OK
018: Cover Page - OK
020: Semivolatiles Blank Report - OK
021: Semivolatiles LCS Report - OK
070: Cover Page - OK
072: PCB Blank Report - OK
074: PCB LCS Report - OK
100: Metals Sample Results - OK
101: Metals Blank Report - OK
102: Metals LCS Report - OK
104: Metals Matrix Spike Report - OK
105: Metals Duplicate Report - OK
118: Cover Page - OK
120: Wet Chemistry Sample Results - OK
125: Wet Chemistry Duplicate Report - OK
510: Container Report - OK
520: Glossary - OK
540: Reference Report - OK

No results found for sample L1305730-01 for product AG-TI
No results found for sample L1305730-01 for product AS-TI
No results found for sample L1305730-01 for product BA-TI
No results found for sample L1305730-01 for product BE-TI
No results found for sample L1305730-01 for product CD-TI
No results found for sample L1305730-01 for product CU-TI
No results found for sample L1305730-01 for product HG-T
No results found for sample L1305730-01 for product NI-TI
No results found for sample L1305730-01 for product NYTCL-8082
No results found for sample L1305730-01 for product NYTCL-8270
No results found for sample L1305730-01 for product PB-TI
No results found for sample L1305730-01 for product SE-TI
No results found for sample L1305730-01 for product TCN-9010
No results found for sample L1305730-01 for product ZN-TI
No results found for sample L1305730-02 for product AG-TI
No results found for sample L1305730-02 for product AS-TI
No results found for sample L1305730-02 for product BA-TI
No results found for sample L1305730-02 for product BE-TI
No results found for sample L1305730-02 for product CD-TI

No results found for sample L1305730-02 for product CU-TI
No results found for sample L1305730-02 for product HG-T
No results found for sample L1305730-02 for product NI-TI
No results found for sample L1305730-02 for product NYTCL-8082
No results found for sample L1305730-02 for product NYTCL-8270
No results found for sample L1305730-02 for product PB-TI
No results found for sample L1305730-02 for product SE-TI
No results found for sample L1305730-02 for product TCN-9010
No results found for sample L1305730-02 for product ZN-TI

ANALYTICAL REPORT

Lab Number:	L1305730
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/18/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305730
Report Date: 04/18/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305730-01	P008015	GLENS FALLS NEW YORK	04/02/13 13:35
L1305730-02	P014015	GLENS FALLS NEW YORK	04/02/13 13:55

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305730
Project Number: Not Specified **Report Date:** 04/18/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305730
Project Number:	Not Specified	**Report Date:**	04/18/13

Case Narrative (continued)

Report Submission

This partial report replaces the report issued on April 11, 2013. At the client's request, the samples were analyzed for Total Chromium. A final report will be issued as soon as the results of all requested analyses become available.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 04/18/13

ORGANICS

VOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305730

Project Number: Not Specified **Report Date:** 04/18/13

SAMPLE RESULTS

Lab ID:	L1305730-01	Date Collected:	04/02/13 13:35
Client ID:	P008015	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/06/13 22:28		
Analyst:	JC		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.5	0.37	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.14	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	0.40	J	ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.0	0.78	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	100		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305730

Project Number: Not Specified **Report Date:** 04/18/13

SAMPLE RESULTS

Lab ID:	L1305730-02	Date Collected:	04/02/13 13:55
Client ID:	P014015	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/06/13 22:56		
Analyst:	JC		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	0.30	J	ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.4	0.85	1
Vinyl chloride	ND		ug/kg	2.2	0.15	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	102		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305730

Project Number: Not Specified **Report Date:** 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/13 13:34
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG600073-3					
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Vinyl chloride	ND		ug/kg	2.0	0.14
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305730

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600073-1 WG600073-2								
Methylene chloride	108		102		70-130	6		30
1,1-Dichloroethane	95		90		70-130	5		30
Chloroform	91		86		70-130	6		30
Carbon tetrachloride	83		76		70-130	9		30
1,2-Dichloropropane	93		91		70-130	2		30
Dibromochloromethane	91		90		70-130	1		30
2-Chloroethylvinyl ether	93		91			2		30
1,1,2-Trichloroethane	102		102		70-130	0		30
Tetrachloroethene	85		79		70-130	7		30
Chlorobenzene	90		86		70-130	5		30
Trichlorofluoromethane	90		84		70-139	7		30
1,2-Dichloroethane	98		96		70-130	2		30
1,1,1-Trichloroethane	86		80		70-130	7		30
Bromodichloromethane	93		88		70-130	6		30
trans-1,3-Dichloropropene	99		99		70-130	0		30
cis-1,3-Dichloropropene	90		88		70-130	2		30
1,1-Dichloropropene	85		80		70-130	6		30
Bromoform	90		92		70-130	2		30
1,1,2,2-Tetrachloroethane	105		107		70-130	2		30
Benzene	89		84		70-130	6		30
Toluene	94		89		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305730

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600073-1 WG600073-2								
Ethylbenzene	92		87		70-130	6		30
Chloromethane	125		112		52-130	11		30
Bromomethane	119		107		57-147	11		30
Vinyl chloride	106		96		67-130	10		30
Chloroethane	108		97		50-151	11		30
1,1-Dichloroethene	87		81		65-135	7		30
trans-1,2-Dichloroethene	84		79		70-130	6		30
Trichloroethene	85		82		70-130	4		30
1,2-Dichlorobenzene	92		91		70-130	1		30
1,3-Dichlorobenzene	93		90		70-130	3		30
1,4-Dichlorobenzene	93		91		70-130	2		30
Methyl tert butyl ether	86		86		66-130	0		30
p/m-Xylene	90		86		70-130	5		30
o-Xylene	88		86		70-130	2		30
cis-1,2-Dichloroethene	85		81		70-130	5		30
Dibromomethane	93		90		70-130	3		30
Styrene	92		89		70-130	3		30
Dichlorodifluoromethane	111		98		30-146	12		30
Acetone	134		120		54-140	11		30
Carbon disulfide	88		80		59-130	10		30
2-Butanone	119		114		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305730

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600073-1 WG600073-2								
Vinyl acetate	101		100		70-130	1		30
4-Methyl-2-pentanone	79		81		70-130	3		30
1,2,3-Trichloropropane	109		111		68-130	2		30
2-Hexanone	101		105		70-130	4		30
Bromochloromethane	89		86		70-130	3		30
2,2-Dichloropropane	90		84		70-130	7		30
1,2-Dibromoethane	91		91		70-130	0		30
1,3-Dichloropropane	99		99		69-130	0		30
1,1,1,2-Tetrachloroethane	90		87		70-130	3		30
Bromobenzene	90		86		70-130	5		30
n-Butylbenzene	100		94		70-130	6		30
sec-Butylbenzene	93		88		70-130	6		30
tert-Butylbenzene	88		84		70-130	5		30
o-Chlorotoluene	106		101		70-130	5		30
p-Chlorotoluene	101		97		70-130	4		30
1,2-Dibromo-3-chloropropane	99		104		68-130	5		30
Hexachlorobutadiene	90		85		67-130	6		30
Isopropylbenzene	90		84		70-130	7		30
p-Isopropyltoluene	90		86		70-130	5		30
Naphthalene	84		88		70-130	5		30
Acrylonitrile	102		101		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305730

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600073-1 WG600073-2								
Isopropyl Ether	99		96		66-130	3		30
tert-Butyl Alcohol	92		95		70-130	3		30
n-Propylbenzene	97		92		70-130	5		30
1,2,3-Trichlorobenzene	91		90		70-130	1		30
1,2,4-Trichlorobenzene	89		86		70-130	3		30
1,3,5-Trimethylbenzene	97		92		70-130	5		30
1,2,4-Trimethylbenzene	96		93		70-130	3		30
Methyl Acetate	106		110		70-130	4		30
Ethyl Acetate	100		104		70-130	4		30
Acrolein	101		105		70-130	4		30
Cyclohexane	94		88		70-130	7		30
1,4-Dioxane	87		88		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	93		85		70-130	9		30
1,4-Diethylbenzene	92		86		70-130	7		30
4-Ethyltoluene	94		90		70-130	4		30
1,2,4,5-Tetramethylbenzene	88		86		70-130	2		30
Tetrahydrofuran	97		96		66-130	1		30
Ethyl ether	88		88		67-130	0		30
trans-1,4-Dichloro-2-butene	126		126		70-130	0		30
Methyl cyclohexane	85		78		70-130	9		30
Ethyl-Tert-Butyl-Ether	91		91		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305730

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600073-1 WG600073-2								
Tertiary-Amyl Methyl Ether	84		84		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		112		70-130
Toluene-d8	110		111		70-130
4-Bromofluorobenzene	103		106		70-130
Dibromofluoromethane	99		100		70-130

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305730
Report Date: 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/08/13 17:19
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 04/04/13 07:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG599427-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	49	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	49	17.
Benzo(k)fluoranthene	ND		ug/kg	49	16.
Chrysene	ND		ug/kg	49	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	49	16.
Dibenzo(a,h)anthracene	ND		ug/kg	49	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		25-120
Phenol-d6	33		10-120
Nitrobenzene-d5	35		23-120
2-Fluorobiphenyl	37		30-120
2,4,6-Tribromophenol	44		0-136
4-Terphenyl-d14	57		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305730

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599427-2 WG599427-3								
Acenaphthene	54		66		31-137	20		50
1,2,4-Trichlorobenzene	54		68		38-107	23		50
Hexachlorobenzene	75		77		40-140	3		50
Bis(2-chloroethyl)ether	43		59		40-140	31		50
2-Chloronaphthalene	60		72		40-140	18		50
1,2-Dichlorobenzene	49		65		40-140	28		50
1,3-Dichlorobenzene	46		64		40-140	33		50
1,4-Dichlorobenzene	47		63		28-104	29		50
3,3'-Dichlorobenzidine	56		60		40-140	7		50
2,4-Dinitrotoluene	66		66		28-89	0		50
2,6-Dinitrotoluene	71		69		40-140	3		50
Fluoranthene	70		70		40-140	0		50
4-Chlorophenyl phenyl ether	65		68		40-140	5		50
4-Bromophenyl phenyl ether	73		77		40-140	5		50
Bis(2-chloroisopropyl)ether	**33**	Q	44		40-140	29		50
Bis(2-chloroethoxy)methane	47		60		40-117	24		50
Hexachlorobutadiene	56		75		40-140	29		50
Hexachlorocyclopentadiene	**20**	Q	**22**	Q	40-140	10		50
Hexachloroethane	44		60		40-140	31		50
Isophorone	46		57		40-140	21		50
Naphthalene	48		64		40-140	29		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305730

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599427-2 WG599427-3								
Nitrobenzene	46		57		40-140	21		50
NitrosoDiPhenylAmine(NDPA)/DPA	67		69			3		50
n-Nitrosodi-n-propylamine	43		58		32-121	30		50
Bis(2-Ethylhexyl)phthalate	67		68		40-140	1		50
Butyl benzyl phthalate	66		63		40-140	5		50
Di-n-butylphthalate	67		65		40-140	3		50
Di-n-octylphthalate	63		66		40-140	5		50
Diethyl phthalate	67		68		40-140	1		50
Dimethyl phthalate	64		69		40-140	8		50
Benzo(a)anthracene	70		72		40-140	3		50
Benzo(a)pyrene	72		70		40-140	3		50
Benzo(b)fluoranthene	74		71		40-140	4		50
Benzo(k)fluoranthene	73		76		40-140	4		50
Chrysene	70		68		40-140	3		50
Acenaphthylene	59		67		40-140	13		50
Anthracene	67		67		40-140	0		50
Benzo(ghi)perylene	66		62		40-140	6		50
Fluorene	64		67		40-140	5		50
Phenanthrene	69		66		40-140	4		50
Dibenzo(a,h)anthracene	68		67		40-140	1		50
Indeno(1,2,3-cd)Pyrene	65		64		40-140	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305730

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599427-2 WG599427-3								
Pyrene	70		70		35-142	0		50
Biphenyl	56		69			21		50
4-Chloroaniline	**25**	Q	**29**	Q	40-140	15		50
2-Nitroaniline	69		68		47-134	1		50
3-Nitroaniline	38		44		26-129	15		50
4-Nitroaniline	60		62		41-125	3		50
Dibenzofuran	57		66		40-140	15		50
2-Methylnaphthalene	54		65		40-140	18		50
1,2,4,5-Tetrachlorobenzene	56		75		40-117	29		50
Acetophenone	51		67		14-144	27		50
2,4,6-Trichlorophenol	72		77		30-130	7		50
P-Chloro-M-Cresol	65		70		26-103	7		50
2-Chlorophenol	51		70		25-102	31		50
2,4-Dichlorophenol	60		74		30-130	21		50
2,4-Dimethylphenol	52		66		30-130	24		50
2-Nitrophenol	54		71		30-130	27		50
4-Nitrophenol	73		71		11-114	3		50
2,4-Dinitrophenol	39		40		4-130	3		50
4,6-Dinitro-o-cresol	47		46		10-130	2		50
Pentachlorophenol	74		72		17-109	3		50
Phenol	46		60		26-90	26		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305730

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599427-2 WG599427-3								
2-Methylphenol	51		65		30-130.	24		50
3-Methylphenol/4-Methylphenol	53		67		30-130	23		50
2,4,5-Trichlorophenol	76		74		30-130	3		50
Benzoic Acid	28		30			7		50
Benzyl Alcohol	50		63		40-140	23		50
Carbazole	68		67		54-128	1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		67		25-120
Phenol-d6	50		64		10-120
Nitrobenzene-d5	49		61		23-120
2-Fluorobiphenyl	60		68		30-120
2,4,6-Tribromophenol	83		82		0-136
4-Terphenyl-d14	73		71		18-120

PCBS

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305730

Report Date: 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/05/13 16:31
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 04/04/13 10:09
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/05/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/05/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG599477-1					
Aroclor 1016	ND		ug/kg	16.2	3.21
Aroclor 1221	ND		ug/kg	16.2	4.90
Aroclor 1232	ND		ug/kg	16.2	3.45
Aroclor 1242	ND		ug/kg	16.2	3.08
Aroclor 1248	ND		ug/kg	16.2	1.97
Aroclor 1254	ND		ug/kg	16.2	2.56
Aroclor 1260	ND		ug/kg	16.2	2.82

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	86		30-150
Decachlorobiphenyl	89		30-150
2,4,5,6-Tetrachloro-m-xylene	81		30-150
Decachlorobiphenyl	90		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305730

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG599477-2 WG599477-3								
Aroclor 1016	73		79		40-140	8		50
Aroclor 1260	76		83		40-140	9		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	64		69		30-150
Decachlorobiphenyl	75		78		30-150
2,4,5,6-Tetrachloro-m-xylene	65		70		30-150
Decachlorobiphenyl	75		77		30-150

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305730
Project Number: Not Specified
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305730-01
Client ID: P008015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 90%

Date Collected: 04/02/13 13:35
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	27		mg/kg	0.42	0.09	1	04/04/13 12:52	04/04/13 23:58	EPA 3050B	1,6010C	BM

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305730
Project Number: Not Specified
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305730-02
Client ID: P014015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 88%

Date Collected: 04/02/13 13:55
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	3.9		mg/kg	0.43	0.09	1	04/04/13 12:52	04/05/13 00:01	EPA 3050B	1,6010C	BM

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305730

Project Number: Not Specified **Report Date:** 04/18/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG599523-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Barium, Total	0.18	J	mg/kg	0.40	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Copper, Total	ND		mg/kg	0.40	0.20	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Lead, Total	0.55	J	mg/kg	2.0	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Selenium, Total	0.12	J	mg/kg	0.80	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Silver, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Zinc, Total	0.39	J	mg/kg	2.0	0.20	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG600659-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/10/13 11:33	04/10/13 14:16	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305730

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG599523-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Chromium, Total	97		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	98		-		80-120	-		
Nickel, Total	94		-		82-117	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	97		-		66-134	-		
Zinc, Total	100		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG600659-2 SRM Lot Number: 0518-10-02								
Mercury, Total	111		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305730
Report Date: 04/18/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599523-4 QC Sample: L1305720-01 Client ID: MS Sample												
Arsenic, Total	6.0	12.9	17	85		-	-		75-125	-		35
Barium, Total	200	214	370	79		-	-		75-125	-		35
Beryllium, Total	1.0	5.36	6.0	93		-	-		75-125	-		35
Cadmium, Total	13.	55	63	91		-	-		75-125	-		35
Chromium, Total	260	21.4	320	**280**	Q	-	-		75-125	-		35
Copper, Total	58.	26.8	86	104		-	-		75-125	-		35
Lead, Total	170	54.7	280	**201**	Q	-	-		75-125	-		35
Nickel, Total	37.	53.6	76	**73**	Q	-	-		75-125	-		35
Selenium, Total	1.0J	12.9	13	101		-	-		75-125	-		35
Silver, Total	0.20J	32.2	34	106		-	-		75-125	-		35
Zinc, Total	130	53.6	180	93		-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600659-4 QC Sample: L1305720-01 Client ID: MS Sample												
Mercury, Total	0.18	0.181	1.1	**507**	Q	-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305730
Report Date: 04/18/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599523-3 QC Sample: L1305720-01 Client ID: DUP Sample						
Barium, Total	200	150	mg/kg	29		35
Cadmium, Total	13.	11	mg/kg	17		35
Chromium, Total	260	160	mg/kg	**48**	Q	35
Copper, Total	58.	48	mg/kg	19		35
Lead, Total	170	140	mg/kg	19		35
Nickel, Total	37.	27	mg/kg	31		35
Selenium, Total	1.0J	1.1	mg/kg	NC		35
Zinc, Total	130	120	mg/kg	8		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600659-3 QC Sample: L1305720-01 Client ID: DUP Sample						
Mercury, Total	0.18	1.5	mg/kg	**157**	Q	35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305730
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305730-01
Client ID: P008015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/02/13 13:35
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.5		%	0.100	NA	1	-	04/04/13 18:12	30,2540G	RD

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305730
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305730-02
Client ID: P014015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/02/13 13:55
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.2		%	0.100	NA	1	-	04/04/13 18:12	30,2540G	RD

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305730
Report Date: 04/18/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599630-1 QC Sample: L1305492-02 Client ID: DUP Sample						
Solids, Total	92.7	92.9	%	0		20

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305730
Report Date: 04/18/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 04/04/2013 05:21

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305730-01A	Vial MeOH preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305730-01B	Vial water preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305730-01C	Vial water preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305730-01D	Plastic 2oz unpreserved for TS	A	N/A	3.1	Y	Absent	TS(7)
L1305730-01E	Amber 120ml unpreserved	A	N/A	3.1	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1305730-01F	Amber 250ml unpreserved	A	N/A	3.1	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1305730-02A	Vial MeOH preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305730-02B	Vial water preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305730-02C	Vial water preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305730-02D	Plastic 2oz unpreserved for TS	A	N/A	3.1	Y	Absent	TS(7)
L1305730-02E	Amber 120ml unpreserved	A	N/A	3.1	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305730
Report Date: 04/18/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305730-02F	Amber 250ml unpreserved	A	N/A	3.1	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)

Container Comments

L1305730-01F

L1305730-02F

*Values in parentheses indicate holding time in days

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305730
Project Number:	Not Specified	**Report Date:**	04/18/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305730
Project Number:	Not Specified	**Report Date:**	04/18/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
World Class Chemistry

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab: 4/4/13

ALPHA Job #: L1305730

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/10/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Detection limits to meet NYSDEC Part 375 Requirements (Unrestricted)
Find %Moisture of each aliquot and calculate average for use as %Moisture of associated composite sample

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs-See attached list	Hexavalent Chromium-Hold	Cyanide-Hold	Metals-See attached list-Hold	PCBs-Hold	SVOCs-See atached list-Hold							Sample Specific Comments	TOTAL # BOTTLES
05730 . 1	P008015	4/2	1335	S	[illegible]	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		
2	P014015	4/2	1355	S	[illegible]	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
					Container Type	-	-	-	-	-	-	-	-	-	-	-	-		
					Preservative	-	-	-	-	-	-	-	-	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	4/3 1600	[illegible]	4/3/13 1600
[illegible]		[illegible]	4/3/13 2204
[illegible]	4/4/13 0050		4/4/13 0050

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ)
(rev. 5-JAN-12)

ANALYTICAL REPORT

Lab Number:	L1305729
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/10/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305729
Report Date: 04/10/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305729-01	P002P003	GLENS FALLS NEW YORK	04/03/13 14:20

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305729
Project Number: Not Specified **Report Date:** 04/10/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305729
Project Number:	Not Specified	**Report Date:**	04/10/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 04/10/13

ORGANICS

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305729

Project Number: Not Specified **Report Date:** 04/10/13

SAMPLE RESULTS

Lab ID:	L1305729-01	Date Collected:	04/03/13 14:20
Client ID:	P002P003	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/04/13 07:47
Analytical Date:	04/08/13 22:13		
Analyst:	JB		
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	54.	1
Dimethyl phthalate	ND		ug/kg	200	52.	1
Benzo(a)anthracene	ND		ug/kg	120	40.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	41.	1
Benzo(k)fluoranthene	ND		ug/kg	120	39.	1
Chrysene	ND		ug/kg	120	40.	1
Fluorene	ND		ug/kg	200	58.	1
Phenanthrene	ND		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	40.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	45.	1
2-Chlorophenol	ND		ug/kg	200	62.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	60.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	67.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	89		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	103		30-120
2,4,6-Tribromophenol	**153**	Q	0-136
4-Terphenyl-d14	**135**	Q	18-120

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305729
Report Date: 04/10/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/08/13 17:19
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 04/04/13 07:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG599427-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	49	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	49	17.
Benzo(k)fluoranthene	ND		ug/kg	49	16.
Chrysene	ND		ug/kg	49	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	49	16.
Dibenzo(a,h)anthracene	ND		ug/kg	49	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		25-120
Phenol-d6	33		10-120
Nitrobenzene-d5	35		23-120
2-Fluorobiphenyl	37		30-120
2,4,6-Tribromophenol	44		0-136
4-Terphenyl-d14	57		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305729

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599427-2 WG599427-3								
Acenaphthene	54		66		31-137	20		50
1,2,4-Trichlorobenzene	54		68		38-107	23		50
Hexachlorobenzene	75		77		40-140	3		50
Bis(2-chloroethyl)ether	43		59		40-140	31		50
2-Chloronaphthalene	60		72		40-140	18		50
1,2-Dichlorobenzene	49		65		40-140	28		50
1,3-Dichlorobenzene	46		64		40-140	33		50
1,4-Dichlorobenzene	47		63		28-104	29		50
3,3'-Dichlorobenzidine	56		60		40-140	7		50
2,4-Dinitrotoluene	66		66		28-89	0		50
2,6-Dinitrotoluene	71		69		40-140	3		50
Fluoranthene	70		70		40-140	0		50
4-Chlorophenyl phenyl ether	65		68		40-140	5		50
4-Bromophenyl phenyl ether	73		77		40-140	5		50
Bis(2-chloroisopropyl)ether	**33**	Q	44		40-140	29		50
Bis(2-chloroethoxy)methane	47		60		40-117	24		50
Hexachlorobutadiene	56		75		40-140	29		50
Hexachlorocyclopentadiene	**20**	Q	**22**	Q	40-140	10		50
Hexachloroethane	44		60		40-140	31		50
Isophorone	46		57		40-140	21		50
Naphthalene	48		64		40-140	29		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305729

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599427-2 WG599427-3								
Nitrobenzene	46		57		40-140	21		50
NitrosoDiPhenylAmine(NDPA)/DPA	67		69			3		50
n-Nitrosodi-n-propylamine	43		58		32-121	30		50
Bis(2-Ethylhexyl)phthalate	67		68		40-140	1		50
Butyl benzyl phthalate	66		63		40-140	5		50
Di-n-butylphthalate	67		65		40-140	3		50
Di-n-octylphthalate	63		66		40-140	5		50
Diethyl phthalate	67		68		40-140	1		50
Dimethyl phthalate	64		69		40-140	8		50
Benzo(a)anthracene	70		72		40-140	3		50
Benzo(a)pyrene	72		70		40-140	3		50
Benzo(b)fluoranthene	74		71		40-140	4		50
Benzo(k)fluoranthene	73		76		40-140	4		50
Chrysene	70		68		40-140	3		50
Acenaphthylene	59		67		40-140	13		50
Anthracene	67		67		40-140	0		50
Benzo(ghi)perylene	66		62		40-140	6		50
Fluorene	64		67		40-140	5		50
Phenanthrene	69		66		40-140	4		50
Dibenzo(a,h)anthracene	68		67		40-140	1		50
Indeno(1,2,3-cd)Pyrene	65		64		40-140	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305729
Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599427-2 WG599427-3								
Pyrene	70		70		35-142	0		50
Biphenyl	56		69			21		50
4-Chloroaniline	**25**	Q	**29**	Q	40-140	15		50
2-Nitroaniline	69		68		47-134	1		50
3-Nitroaniline	38		44		26-129	15		50
4-Nitroaniline	60		62		41-125	3		50
Dibenzofuran	57		66		40-140	15		50
2-Methylnaphthalene	54		65		40-140	18		50
1,2,4,5-Tetrachlorobenzene	56		75		40-117	29		50
Acetophenone	51		67		14-144	27		50
2,4,6-Trichlorophenol	72		77		30-130	7		50
P-Chloro-M-Cresol	65		70		26-103	7		50
2-Chlorophenol	51		70		25-102	31		50
2,4-Dichlorophenol	60		74		30-130	21		50
2,4-Dimethylphenol	52		66		30-130	24		50
2-Nitrophenol	54		71		30-130	27		50
4-Nitrophenol	73		71		11-114	3		50
2,4-Dinitrophenol	39		40		4-130	3		50
4,6-Dinitro-o-cresol	47		46		10-130	2		50
Pentachlorophenol	74		72		17-109	3		50
Phenol	46		60		26-90	26		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305729

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599427-2 WG599427-3								
2-Methylphenol	51		65		30-130.	24		50
3-Methylphenol/4-Methylphenol	53		67		30-130	23		50
2,4,5-Trichlorophenol	76		74		30-130	3		50
Benzoic Acid	28		30			7		50
Benzyl Alcohol	50		63		40-140	23		50
Carbazole	68		67		54-128	1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		67		25-120
Phenol-d6	50		64		10-120
Nitrobenzene-d5	49		61		23-120
2-Fluorobiphenyl	60		68		30-120
2,4,6-Tribromophenol	83		82		0-136
4-Terphenyl-d14	73		71		18-120

PCBS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305729

Project Number: Not Specified **Report Date:** 04/10/13

SAMPLE RESULTS

Lab ID:	L1305729-01	Date Collected:	04/03/13 14:20
Client ID:	P002P003	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	04/05/13 08:33
Analytical Date:	04/05/13 15:54	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	04/05/13
Percent Solids:	80%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	04/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	41.2	8.14	1
Aroclor 1221	ND		ug/kg	41.2	12.4	1
Aroclor 1232	ND		ug/kg	41.2	8.76	1
Aroclor 1242	ND		ug/kg	41.2	7.82	1
Aroclor 1248	ND		ug/kg	41.2	4.99	1
Aroclor 1254	9.90	J	ug/kg	41.2	6.50	1
Aroclor 1260	ND		ug/kg	41.2	7.15	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	92		30-150
Decachlorobiphenyl	99		30-150
2,4,5,6-Tetrachloro-m-xylene	94		30-150
Decachlorobiphenyl	104		30-150

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305729

Report Date: 04/10/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/05/13 16:31
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 04/04/13 10:09
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/05/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/05/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG599477-1					
Aroclor 1016	ND		ug/kg	16.2	3.21
Aroclor 1221	ND		ug/kg	16.2	4.90
Aroclor 1232	ND		ug/kg	16.2	3.45
Aroclor 1242	ND		ug/kg	16.2	3.08
Aroclor 1248	ND		ug/kg	16.2	1.97
Aroclor 1254	ND		ug/kg	16.2	2.56
Aroclor 1260	ND		ug/kg	16.2	2.82

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	86		30-150
Decachlorobiphenyl	89		30-150
2,4,5,6-Tetrachloro-m-xylene	81		30-150
Decachlorobiphenyl	90		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305729

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG599477-2 WG599477-3								
Aroclor 1016	73		79		40-140	8		50
Aroclor 1260	76		83		40-140	9		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	64		69		30-150
Decachlorobiphenyl	75		78		30-150
2,4,5,6-Tetrachloro-m-xylene	65		70		30-150
Decachlorobiphenyl	75		77		30-150

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305729
Project Number: Not Specified
Report Date: 04/10/13

SAMPLE RESULTS

Lab ID: L1305729-01
Client ID: P002P003
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 80%

Date Collected: 04/03/13 14:20
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.3		mg/kg	0.48	0.14	2	04/04/13 12:05	04/10/13 15:18	EPA 3050B	1,6010C	MS
Barium, Total	60		mg/kg	0.48	0.14	2	04/04/13 12:05	04/10/13 15:18	EPA 3050B	1,6010C	MS
Beryllium, Total	0.44		mg/kg	0.24	0.02	2	04/04/13 12:05	04/10/13 15:18	EPA 3050B	1,6010C	MS
Cadmium, Total	1.0		mg/kg	0.48	0.03	2	04/04/13 12:05	04/10/13 15:18	EPA 3050B	1,6010C	MS
Chromium, Total	18		mg/kg	0.48	0.10	2	04/04/13 12:05	04/10/13 15:18	EPA 3050B	1,6010C	MS
Copper, Total	22		mg/kg	0.48	0.24	2	04/04/13 12:05	04/10/13 15:18	EPA 3050B	1,6010C	MS
Lead, Total	12		mg/kg	2.4	0.14	2	04/04/13 12:05	04/10/13 15:18	EPA 3050B	1,6010C	MS
Mercury, Total	0.19		mg/kg	0.09	0.02	2	04/10/13 11:33	04/10/13 15:02	EPA 7471B	1,7471B	MC
Nickel, Total	9.2		mg/kg	1.2	0.19	2	04/04/13 12:05	04/10/13 15:18	EPA 3050B	1,6010C	MS
Selenium, Total	0.61	J	mg/kg	0.95	0.14	2	04/04/13 12:05	04/10/13 15:18	EPA 3050B	1,6010C	MS
Silver, Total	ND		mg/kg	0.48	0.10	2	04/04/13 12:05	04/10/13 15:18	EPA 3050B	1,6010C	MS
Zinc, Total	42		mg/kg	2.4	0.24	2	04/04/13 12:05	04/10/13 15:18	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305729

Project Number: Not Specified **Report Date:** 04/10/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG599523-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Barium, Total	0.18	J	mg/kg	0.40	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Copper, Total	ND		mg/kg	0.40	0.20	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Lead, Total	0.55	J	mg/kg	2.0	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Selenium, Total	0.12	J	mg/kg	0.80	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Silver, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Zinc, Total	0.39	J	mg/kg	2.0	0.20	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG600659-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/10/13 11:33	04/10/13 14:16	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305729

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG599523-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Chromium, Total	97		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	98		-		80-120	-		
Nickel, Total	94		-		82-117	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	97		-		66-134	-		
Zinc, Total	100		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG600659-2 SRM Lot Number: 0518-10-02								
Mercury, Total	111		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305729
Report Date: 04/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599523-4 QC Sample: L1305720-01 Client ID: MS Sample												
Arsenic, Total	6.0	12.9	17	85		-	-		75-125	-		35
Barium, Total	200	214	370	79		-	-		75-125	-		35
Beryllium, Total	1.0	5.36	6.0	93		-	-		75-125	-		35
Cadmium, Total	13.	55	63	91		-	-		75-125	-		35
Chromium, Total	260	21.4	320	**280**	Q	-	-		75-125	-		35
Copper, Total	58.	26.8	86	104		-	-		75-125	-		35
Lead, Total	170	54.7	280	**201**	Q	-	-		75-125	-		35
Nickel, Total	37.	53.6	76	**73**	Q	-	-		75-125	-		35
Selenium, Total	1.0J	12.9	13	101		-	-		75-125	-		35
Silver, Total	0.20J	32.2	34	106		-	-		75-125	-		35
Zinc, Total	130	53.6	180	93		-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600659-4 QC Sample: L1305720-01 Client ID: MS Sample												
Mercury, Total	0.18	0.181	1.1	**507**	Q	-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305729
Report Date: 04/10/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599523-3 QC Sample: L1305720-01 Client ID: DUP Sample						
Arsenic, Total	6.0	4.4	mg/kg	31		35
Barium, Total	200	150	mg/kg	29		35
Beryllium, Total	1.0	0.87	mg/kg	14		35
Cadmium, Total	13.	11	mg/kg	17		35
Chromium, Total	260	160	mg/kg	**48**	Q	35
Copper, Total	58.	48	mg/kg	19		35
Lead, Total	170	140	mg/kg	19		35
Nickel, Total	37.	27	mg/kg	31		35
Selenium, Total	1.0J	1.1	mg/kg	NC		35
Silver, Total	0.20J	ND	mg/kg	NC		35
Zinc, Total	130	120	mg/kg	8		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600659-3 QC Sample: L1305720-01 Client ID: DUP Sample						
Mercury, Total	0.18	1.5	mg/kg	**157**	Q	35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305729
Report Date: 04/10/13

SAMPLE RESULTS

Lab ID: L1305729-01
Client ID: P002P003
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/03/13 14:20
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.7		%	0.100	NA	1	-	04/04/13 18:56	30,2540G	RD
Cyanide, Total	ND		mg/kg	1.2	0.28	2	04/04/13 13:45	04/04/13 17:28	1,9010C/9012A	JO

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305729

Project Number: Not Specified **Report Date:** 04/10/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG599587-1										
Cyanide, Total	ND		mg/kg	0.90	0.21	1	04/04/13 13:45	04/04/13 17:05	1,9010C/9012A	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305729

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG599587-4 WG599587-5								
Cyanide, Total	95		107		80-120	12		35

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305729
Report Date: 04/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599587-3 WG599587-2 QC Sample: L1305685-02 Client ID: MS Sample												
Cyanide, Total	ND	12	13	110		12	100		65-135	8		35

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305729
Project Number:	Not Specified	**Report Date:**	04/10/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305729
Project Number:	Not Specified	**Report Date:**	04/10/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305729
Report Date: 04/10/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL — World Class Chemistry

Westborough, MA — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA — TEL: 508-822-9300 — FAX: 508-822-3288

Date Rec'd in Lab: 4/4/13

ALPHA Job #: L1305729

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/10/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:
Extract/Digest Sample P002015 and Sample P003015.
Composite and analyze Extract/Digestate as Sample indicated below.
Detection limits to meet NYSDEC Part 375 Requirements (0.5 x Unrestricted)
Use average of associated aliquot %Moisture for result calculations

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cyanide	Metals-See attached list (no Cr6+)	PCBs	SVOCs-See atached list									Sample Specific Comments	TOTAL # BOTTLES
05729-01	P002 P003	4/3	1420	S	[initials]	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐		
Container Type						-	-	-	-	-	-	-	-	-	-	-	-		
Preservative						-	-	-	-	-	-	-	-	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/3 1600	Kyle Cunningham [signature]	4/3/13 1600
Kyle Cunningham [signature]		[signature]	4/3/13 2304
[signature]	4/3/13 0050	[signature]	4/4/13 0050

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 5-JAN-12)

JOB: L1305728 REPORT STYLE: Data Usability Report
001: Cover & Signature Pages - OK
006: Narrative Page(s) - OK
010: Cover Page - OK
011: Volatiles Sample Results - OK
012: Volatiles Blank Report - OK
013: Volatiles LCS Report - OK
018: Cover Page - OK
019: Semivolatiles Sample Results - OK
020: Semivolatiles Blank Report - OK
021: Semivolatiles LCS Report - OK
070: Cover Page - OK
071: PCB Sample Results - OK
072: PCB Blank Report - OK
074: PCB LCS Report - OK
100: Metals Sample Results - OK
101: Metals Blank Report - OK
102: Metals LCS Report - OK
104: Metals Matrix Spike Report - OK
105: Metals Duplicate Report - OK
118: Cover Page - OK
120: Wet Chemistry Sample Results - OK
121: Wet Chemistry Blank Report - OK
122: Wet Chemistry LCS Report - OK
124: Wet Chemistry Matrix Spike Report - OK
125: Wet Chemistry Duplicate Report - OK
510: Container Report - OK
520: Glossary - OK
540: Reference Report - OK

No results found for sample L1305728-01 for product AG-TI
No results found for sample L1305728-01 for product AS-TI
No results found for sample L1305728-01 for product BA-TI
No results found for sample L1305728-01 for product BE-TI
No results found for sample L1305728-01 for product CD-TI
No results found for sample L1305728-01 for product CU-TI
No results found for sample L1305728-01 for product NI-TI
No results found for sample L1305728-01 for product NYTCL-8082
No results found for sample L1305728-01 for product NYTCL-8270
No results found for sample L1305728-01 for product PB-TI
No results found for sample L1305728-01 for product SE-TI
No results found for sample L1305728-01 for product TCN-9010
No results found for sample L1305728-01 for product ZN-TI
No results found for sample L1305728-02 for product AG-TI

No results found for sample L1305728-02 for product AS-TI
No results found for sample L1305728-02 for product BA-TI
No results found for sample L1305728-02 for product BE-TI
No results found for sample L1305728-02 for product CD-TI
No results found for sample L1305728-02 for product CU-TI
No results found for sample L1305728-02 for product NI-TI
No results found for sample L1305728-02 for product NYTCL-8082
No results found for sample L1305728-02 for product NYTCL-8270
No results found for sample L1305728-02 for product PB-TI
No results found for sample L1305728-02 for product SE-TI
No results found for sample L1305728-02 for product TCN-9010
No results found for sample L1305728-02 for product ZN-TI

ANALYTICAL REPORT

Lab Number:	L1305728
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/18/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305728
Report Date: 04/18/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305728-01	P002015	GLENS FALLS NEW YORK	04/03/13 14:00
L1305728-02	P003015	GLENS FALLS NEW YORK	04/03/13 14:20
L1305728-03	FB130403	GLENS FALLS NEW YORK	04/03/13 10:30
L1305728-04	TB130403	GLENS FALLS NEW YORK	04/03/13 00:00

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305728
Project Number: Not Specified **Report Date:** 04/18/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305728
Project Number:	Not Specified	**Report Date:**	04/18/13

Case Narrative (continued)

Report Submission

This partial report replaces the report issued on April 11, 2013. At the client's request, the samples were analyzed for Total Chromium and Mercury. A final report will be issued as soon as the results of all requested analyses become available.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 04/18/13

ORGANICS

VOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305728

Project Number: Not Specified **Report Date:** 04/18/13

SAMPLE RESULTS

Lab ID:	L1305728-01	Date Collected:	04/03/13 14:00
Client ID:	P002015	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/06/13 21:32		
Analyst:	JC		
Percent Solids:	65%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	2.0	0.50	1
Carbon tetrachloride	ND		ug/kg	1.3	0.28	1
Chlorobenzene	ND		ug/kg	1.3	0.47	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.20	1
Benzene	ND		ug/kg	1.3	0.16	1
Toluene	ND		ug/kg	2.0	0.15	1
Ethylbenzene	ND		ug/kg	1.3	0.20	1
Chloromethane	ND		ug/kg	6.7	1.0	1
Vinyl chloride	ND		ug/kg	2.7	0.19	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.28	1
Trichloroethene	ND		ug/kg	1.3	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	6.7	0.25	1
1,3-Dichlorobenzene	ND		ug/kg	6.7	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	6.7	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.20	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	100		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305728

Project Number: Not Specified **Report Date:** 04/18/13

SAMPLE RESULTS

Lab ID:	L1305728-02	Date Collected:	04/03/13 14:20
Client ID:	P003015	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/06/13 22:00		
Analyst:	JC		
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.7	0.13	1
Ethylbenzene	ND		ug/kg	1.1	0.17	1
Chloromethane	ND		ug/kg	5.6	0.88	1
Vinyl chloride	ND		ug/kg	2.2	0.16	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	100		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305728

Project Number: Not Specified **Report Date:** 04/18/13

SAMPLE RESULTS

Lab ID:	L1305728-03	Date Collected:	04/03/13 10:30
Client ID:	FB130403	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	04/05/13 12:56		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	96		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305728

Project Number: Not Specified **Report Date:** 04/18/13

SAMPLE RESULTS

Lab ID:	L1305728-04	Date Collected:	04/03/13 00:00
Client ID:	TB130403	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	04/05/13 13:21		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	96		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305728

Project Number: Not Specified **Report Date:** 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/05/13 07:00
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG599829-3					
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.16
Chlorobenzene	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.16
Benzene	ND		ug/l	0.50	0.19
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	97		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305728

Project Number: Not Specified **Report Date:** 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/13 13:34
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG600073-3					
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Vinyl chloride	ND		ug/kg	2.0	0.14
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305728

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG599829-1 WG599829-2								
Methylene chloride	84		85		70-130	1		20
1,1-Dichloroethane	92		93		70-130	1		20
Chloroform	92		92		70-130	0		20
Carbon tetrachloride	92		92		63-132	0		20
1,2-Dichloropropane	91		92		70-130	1		20
Dibromochloromethane	98		101		63-130	3		20
1,1,2-Trichloroethane	100		102		70-130	2		20
Tetrachloroethene	102		101		70-130	1		20
Chlorobenzene	99		101		75-130	2		20
Trichlorofluoromethane	93		93		62-150	0		20
1,2-Dichloroethane	90		92		70-130	2		20
1,1,1-Trichloroethane	92		92		67-130	0		20
Bromodichloromethane	90		91		67-130	1		20
trans-1,3-Dichloropropene	99		102		70-130	3		20
cis-1,3-Dichloropropene	91		92		70-130	1		20
1,1-Dichloropropene	93		94		70-130	1		20
Bromoform	100		100		54-136	0		20
1,1,2,2-Tetrachloroethane	104		104		67-130	0		20
Benzene	91		91		70-130	0		20
Toluene	100		101		70-130	1		20
Ethylbenzene	101		101		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305728

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG599829-1 WG599829-2								
Chloromethane	74		75		64-130	1		20
Bromomethane	57		65		39-139	13		20
Vinyl chloride	92		91		55-140	1		20
Chloroethane	106		106		55-138	0		20
1,1-Dichloroethene	92		92		61-145	0		20
trans-1,2-Dichloroethene	91		91		70-130	0		20
Trichloroethene	91		91		70-130	0		20
1,2-Dichlorobenzene	103		104		70-130	1		20
1,3-Dichlorobenzene	104		104		70-130	0		20
1,4-Dichlorobenzene	104		102		70-130	2		20
Methyl tert butyl ether	88		89		63-130	1		20
p/m-Xylene	100		102		70-130	2		20
o-Xylene	100		102		70-130	2		20
cis-1,2-Dichloroethene	90		91		70-130	1		20
Dibromomethane	90		91		70-130	1		20
1,2,3-Trichloropropane	107		108		64-130	1		20
Acrylonitrile	90		88		70-130	2		20
Styrene	101		102		70-130	1		20
Dichlorodifluoromethane	91		90		36-147	1		20
Acetone	88		83		58-148	6		20
Carbon disulfide	89		89		51-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305728

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG599829-1 WG599829-2								
2-Butanone	77		74		63-138	4		20
Vinyl acetate	92		92		70-130	0		20
4-Methyl-2-pentanone	87		91		59-130	4		20
2-Hexanone	95		97		57-130	2		20
Bromochloromethane	91		92		70-130	1		20
2,2-Dichloropropane	96		95		63-133	1		20
1,2-Dibromoethane	99		99		70-130	0		20
1,3-Dichloropropane	99		102		70-130	3		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	103		104		70-130	1		20
n-Butylbenzene	109		107		53-136	2		20
sec-Butylbenzene	107		107		70-130	0		20
tert-Butylbenzene	107		106		70-130	1		20
o-Chlorotoluene	106		99		70-130	7		20
p-Chlorotoluene	106		107		70-130	1		20
1,2-Dibromo-3-chloropropane	101		103		41-144	2		20
Hexachlorobutadiene	105		102		63-130	3		20
Isopropylbenzene	108		108		70-130	0		20
p-Isopropyltoluene	108		106		70-130	2		20
Naphthalene	98		99		70-130	1		20
n-Propylbenzene	107		107		69-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305728

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG599829-1 WG599829-2								
1,2,3-Trichlorobenzene	100		100		70-130	0		20
1,2,4-Trichlorobenzene	100		103		70-130	3		20
1,3,5-Trimethylbenzene	107		108		64-130	1		20
1,2,4-Trimethylbenzene	107		108		70-130	1		20
1,4-Dioxane	90		94		56-162	4		20
1,4-Diethylbenzene	107		105		70-130	2		20
4-Ethyltoluene	107		106		70-130	1		20
1,2,4,5-Tetramethylbenzene	105		105		70-130	0		20
Ethyl ether	91		92		59-134	1		20
trans-1,4-Dichloro-2-butene	97		96		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		101		70-130
Toluene-d8	107		107		70-130
4-Bromofluorobenzene	103		103		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305728

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600073-1 WG600073-2								
Methylene chloride	108		102		70-130	6		30
1,1-Dichloroethane	95		90		70-130	5		30
Chloroform	91		86		70-130	6		30
Carbon tetrachloride	83		76		70-130	9		30
1,2-Dichloropropane	93		91		70-130	2		30
Dibromochloromethane	91		90		70-130	1		30
2-Chloroethylvinyl ether	93		91			2		30
1,1,2-Trichloroethane	102		102		70-130	0		30
Tetrachloroethene	85		79		70-130	7		30
Chlorobenzene	90		86		70-130	5		30
Trichlorofluoromethane	90		84		70-139	7		30
1,2-Dichloroethane	98		96		70-130	2		30
1,1,1-Trichloroethane	86		80		70-130	7		30
Bromodichloromethane	93		88		70-130	6		30
trans-1,3-Dichloropropene	99		99		70-130	0		30
cis-1,3-Dichloropropene	90		88		70-130	2		30
1,1-Dichloropropene	85		80		70-130	6		30
Bromoform	90		92		70-130	2		30
1,1,2,2-Tetrachloroethane	105		107		70-130	2		30
Benzene	89		84		70-130	6		30
Toluene	94		89		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305728

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600073-1 WG600073-2								
Ethylbenzene	92		87		70-130	6		30
Chloromethane	125		112		52-130	11		30
Bromomethane	119		107		57-147	11		30
Vinyl chloride	106		96		67-130	10		30
Chloroethane	108		97		50-151	11		30
1,1-Dichloroethene	87		81		65-135	7		30
trans-1,2-Dichloroethene	84		79		70-130	6		30
Trichloroethene	85		82		70-130	4		30
1,2-Dichlorobenzene	92		91		70-130	1		30
1,3-Dichlorobenzene	93		90		70-130	3		30
1,4-Dichlorobenzene	93		91		70-130	2		30
Methyl tert butyl ether	86		86		66-130	0		30
p/m-Xylene	90		86		70-130	5		30
o-Xylene	88		86		70-130	2		30
cis-1,2-Dichloroethene	85		81		70-130	5		30
Dibromomethane	93		90		70-130	3		30
Styrene	92		89		70-130	3		30
Dichlorodifluoromethane	111		98		30-146	12		30
Acetone	134		120		54-140	11		30
Carbon disulfide	88		80		59-130	10		30
2-Butanone	119		114		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305728

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600073-1 WG600073-2								
Vinyl acetate	101		100		70-130	1		30
4-Methyl-2-pentanone	79		81		70-130	3		30
1,2,3-Trichloropropane	109		111		68-130	2		30
2-Hexanone	101		105		70-130	4		30
Bromochloromethane	89		86		70-130	3		30
2,2-Dichloropropane	90		84		70-130	7		30
1,2-Dibromoethane	91		91		70-130	0		30
1,3-Dichloropropane	99		99		69-130	0		30
1,1,1,2-Tetrachloroethane	90		87		70-130	3		30
Bromobenzene	90		86		70-130	5		30
n-Butylbenzene	100		94		70-130	6		30
sec-Butylbenzene	93		88		70-130	6		30
tert-Butylbenzene	88		84		70-130	5		30
o-Chlorotoluene	106		101		70-130	5		30
p-Chlorotoluene	101		97		70-130	4		30
1,2-Dibromo-3-chloropropane	99		104		68-130	5		30
Hexachlorobutadiene	90		85		67-130	6		30
Isopropylbenzene	90		84		70-130	7		30
p-Isopropyltoluene	90		86		70-130	5		30
Naphthalene	84		88		70-130	5		30
Acrylonitrile	102		101		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305728

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600073-1 WG600073-2								
Isopropyl Ether	99		96		66-130	3		30
tert-Butyl Alcohol	92		95		70-130	3		30
n-Propylbenzene	97		92		70-130	5		30
1,2,3-Trichlorobenzene	91		90		70-130	1		30
1,2,4-Trichlorobenzene	89		86		70-130	3		30
1,3,5-Trimethylbenzene	97		92		70-130	5		30
1,2,4-Trimethylbenzene	96		93		70-130	3		30
Methyl Acetate	106		110		70-130	4		30
Ethyl Acetate	100		104		70-130	4		30
Acrolein	101		105		70-130	4		30
Cyclohexane	94		88		70-130	7		30
1,4-Dioxane	87		88		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	93		85		70-130	9		30
1,4-Diethylbenzene	92		86		70-130	7		30
4-Ethyltoluene	94		90		70-130	4		30
1,2,4,5-Tetramethylbenzene	88		86		70-130	2		30
Tetrahydrofuran	97		96		66-130	1		30
Ethyl ether	88		88		67-130	0		30
trans-1,4-Dichloro-2-butene	126		126		70-130	0		30
Methyl cyclohexane	85		78		70-130	9		30
Ethyl-Tert-Butyl-Ether	91		91		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305728

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600073-1 WG600073-2								
Tertiary-Amyl Methyl Ether	84		84		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		112		70-130
Toluene-d8	110		111		70-130
4-Bromofluorobenzene	103		106		70-130
Dibromofluoromethane	99		100		70-130

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305728

Project Number: Not Specified **Report Date:** 04/18/13

SAMPLE RESULTS

Lab ID:	L1305728-03	Date Collected:	04/03/13 10:30
Client ID:	FB130403	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	04/05/13 10:58
Analytical Date:	04/10/13 15:25		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Benzo(a)anthracene	ND		ug/l	2.0	0.82	1
Benzo(a)pyrene	ND		ug/l	2.0	0.48	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.48	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.48	1
Chrysene	ND		ug/l	2.0	0.56	1
Fluorene	ND		ug/l	2.0	0.49	1
Phenanthrene	ND		ug/l	2.0	0.49	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.48	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
Pentachlorophenol	ND		ug/l	10	1.2	1
Phenol	ND		ug/l	5.0	0.26	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	101		10-120
4-Terphenyl-d14	87		41-149

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305728
Report Date: 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/08/13 17:19
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 04/04/13 07:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG599427-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	49	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	49	17.
Benzo(k)fluoranthene	ND		ug/kg	49	16.
Chrysene	ND		ug/kg	49	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	49	16.
Dibenzo(a,h)anthracene	ND		ug/kg	49	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		25-120
Phenol-d6	33		10-120
Nitrobenzene-d5	35		23-120
2-Fluorobiphenyl	37		30-120
2,4,6-Tribromophenol	44		0-136
4-Terphenyl-d14	57		18-120

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305728
Report Date: 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/10/13 11:58
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 04/05/13 10:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG599802-1					
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Dimethyl phthalate	ND		ug/l	5.0	0.45
Benzo(a)anthracene	ND		ug/l	2.0	0.82
Benzo(a)pyrene	ND		ug/l	2.0	0.48
Benzo(b)fluoranthene	ND		ug/l	2.0	0.48
Benzo(k)fluoranthene	ND		ug/l	2.0	0.48
Chrysene	ND		ug/l	2.0	0.56
Fluorene	ND		ug/l	2.0	0.49
Phenanthrene	ND		ug/l	2.0	0.49
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.48
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48
2-Chlorophenol	ND		ug/l	2.0	0.34
Pentachlorophenol	ND		ug/l	10	1.2
Phenol	ND		ug/l	5.0	0.26
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	94		15-120
2,4,6-Tribromophenol	110		10-120
4-Terphenyl-d14	90		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305728

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599427-2 WG599427-3								
Acenaphthene	54		66		31-137	20		50
1,2,4-Trichlorobenzene	54		68		38-107	23		50
Hexachlorobenzene	75		77		40-140	3		50
Bis(2-chloroethyl)ether	43		59		40-140	31		50
2-Chloronaphthalene	60		72		40-140	18		50
1,2-Dichlorobenzene	49		65		40-140	28		50
1,3-Dichlorobenzene	46		64		40-140	33		50
1,4-Dichlorobenzene	47		63		28-104	29		50
3,3'-Dichlorobenzidine	56		60		40-140	7		50
2,4-Dinitrotoluene	66		66		28-89	0		50
2,6-Dinitrotoluene	71		69		40-140	3		50
Fluoranthene	70		70		40-140	0		50
4-Chlorophenyl phenyl ether	65		68		40-140	5		50
4-Bromophenyl phenyl ether	73		77		40-140	5		50
Bis(2-chloroisopropyl)ether	**33**	Q	44		40-140	29		50
Bis(2-chloroethoxy)methane	47		60		40-117	24		50
Hexachlorobutadiene	56		75		40-140	29		50
Hexachlorocyclopentadiene	**20**	Q	**22**	Q	40-140	10		50
Hexachloroethane	44		60		40-140	31		50
Isophorone	46		57		40-140	21		50
Naphthalene	48		64		40-140	29		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305728
Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599427-2 WG599427-3								
Nitrobenzene	46		57		40-140	21		50
NitrosoDiPhenylAmine(NDPA)/DPA	67		69			3		50
n-Nitrosodi-n-propylamine	43		58		32-121	30		50
Bis(2-Ethylhexyl)phthalate	67		68		40-140	1		50
Butyl benzyl phthalate	66		63		40-140	5		50
Di-n-butylphthalate	67		65		40-140	3		50
Di-n-octylphthalate	63		66		40-140	5		50
Diethyl phthalate	67		68		40-140	1		50
Dimethyl phthalate	64		69		40-140	8		50
Benzo(a)anthracene	70		72		40-140	3		50
Benzo(a)pyrene	72		70		40-140	3		50
Benzo(b)fluoranthene	74		71		40-140	4		50
Benzo(k)fluoranthene	73		76		40-140	4		50
Chrysene	70		68		40-140	3		50
Acenaphthylene	59		67		40-140	13		50
Anthracene	67		67		40-140	0		50
Benzo(ghi)perylene	66		62		40-140	6		50
Fluorene	64		67		40-140	5		50
Phenanthrene	69		66		40-140	4		50
Dibenzo(a,h)anthracene	68		67		40-140	1		50
Indeno(1,2,3-cd)Pyrene	65		64		40-140	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305728

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599427-2 WG599427-3								
Pyrene	70		70		35-142	0		50
Biphenyl	56		69			21		50
4-Chloroaniline	**25**	Q	**29**	Q	40-140	15		50
2-Nitroaniline	69		68		47-134	1		50
3-Nitroaniline	38		44		26-129	15		50
4-Nitroaniline	60		62		41-125	3		50
Dibenzofuran	57		66		40-140	15		50
2-Methylnaphthalene	54		65		40-140	18		50
1,2,4,5-Tetrachlorobenzene	56		75		40-117	29		50
Acetophenone	51		67		14-144	27		50
2,4,6-Trichlorophenol	72		77		30-130	7		50
P-Chloro-M-Cresol	65		70		26-103	7		50
2-Chlorophenol	51		70		25-102	31		50
2,4-Dichlorophenol	60		74		30-130	21		50
2,4-Dimethylphenol	52		66		30-130	24		50
2-Nitrophenol	54		71		30-130	27		50
4-Nitrophenol	73		71		11-114	3		50
2,4-Dinitrophenol	39		40		4-130	3		50
4,6-Dinitro-o-cresol	47		46		10-130	2		50
Pentachlorophenol	74		72		17-109	3		50
Phenol	46		60		26-90	26		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305728

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599427-2 WG599427-3								
2-Methylphenol	51		65		30-130.	24		50
3-Methylphenol/4-Methylphenol	53		67		30-130	23		50
2,4,5-Trichlorophenol	76		74		30-130	3		50
Benzoic Acid	28		30			7		50
Benzyl Alcohol	50		63		40-140	23		50
Carbazole	68		67		54-128	1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		67		25-120
Phenol-d6	50		64		10-120
Nitrobenzene-d5	49		61		23-120
2-Fluorobiphenyl	60		68		30-120
2,4,6-Tribromophenol	83		82		0-136
4-Terphenyl-d14	73		71		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305728
Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG599802-2 WG599802-3								
Acenaphthene	94		92		37-111	2		30
1,2,4-Trichlorobenzene	77		71		39-98	8		30
Hexachlorobenzene	102		100		40-140	2		30
Bis(2-chloroethyl)ether	95		91		40-140	4		30
2-Chloronaphthalene	94		90		40-140	4		30
1,2-Dichlorobenzene	79		75		40-140	5		30
1,3-Dichlorobenzene	76		72		40-140	5		30
1,4-Dichlorobenzene	77		73		36-97	5		30
3,3'-Dichlorobenzidine	51		56		40-140	9		30
2,4-Dinitrotoluene	**118**	Q	**116**	Q	24-96	2		30
2,6-Dinitrotoluene	121		116		40-140	4		30
Fluoranthene	100		99		40-140	1		30
4-Chlorophenyl phenyl ether	92		89		40-140	3		30
4-Bromophenyl phenyl ether	102		99		40-140	3		30
Bis(2-chloroisopropyl)ether	76		72		40-140	5		30
Bis(2-chloroethoxy)methane	99		96		40-140	3		30
Hexachlorobutadiene	71		66		40-140	7		30
Hexachlorocyclopentadiene	42		**39**	Q	40-140	7		30
Hexachloroethane	76		71		40-140	7		30
Isophorone	100		91		40-140	9		30
Naphthalene	93		86		40-140	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305728

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG599802-2 WG599802-3								
Nitrobenzene	100		95		40-140	5		30
NitrosoDiPhenylAmine(NDPA)/DPA	104		102		40-140	2		30
n-Nitrosodi-n-propylamine	95		90		29-132	5		30
Bis(2-Ethylhexyl)phthalate	128		126		40-140	2		30
Butyl benzyl phthalate	123		119		40-140	3		30
Di-n-butylphthalate	130		127		40-140	2		30
Di-n-octylphthalate	**142**	Q	**141**	Q	40-140	1		30
Diethyl phthalate	115		112		40-140	3		30
Dimethyl phthalate	106		104		40-140	2		30
Benzo(a)anthracene	109		109		40-140	0		30
Benzo(a)pyrene	111		111		40-140	0		30
Benzo(b)fluoranthene	111		112		40-140	1		30
Benzo(k)fluoranthene	113		112		40-140	1		30
Chrysene	100		99		40-140	1		30
Acenaphthylene	106		102		45-123	4		30
Anthracene	102		99		40-140	3		30
Benzo(ghi)perylene	104		104		40-140	0		30
Fluorene	102		101		40-140	1		30
Phenanthrene	100		98		40-140	2		30
Dibenzo(a,h)anthracene	114		113		40-140	1		30
Indeno(1,2,3-cd)Pyrene	115		115		40-140	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305728

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG599802-2 WG599802-3								
Pyrene	98		94		26-127	4		30
Biphenyl	95		92			3		30
4-Chloroaniline	**30**	Q	**32**	Q	40-140	6		30
2-Nitroaniline	119		113		52-143	5		30
3-Nitroaniline	55		60		25-145	9		30
4-Nitroaniline	101		100		51-143	1		30
Dibenzofuran	98		96		40-140	2		30
2-Methylnaphthalene	94		89		40-140	5		30
1,2,4,5-Tetrachlorobenzene	83		79		2-134	5		30
Acetophenone	102		99		39-129	3		30
2,4,6-Trichlorophenol	112		109		30-130	3		30
P-Chloro-M-Cresol	**120**	Q	**115**	Q	23-97	4		30
2-Chlorophenol	103		99		27-123	4		30
2,4-Dichlorophenol	112		105		30-130	6		30
2,4-Dimethylphenol	97		94		30-130	3		30
2-Nitrophenol	115		113		30-130	2		30
4-Nitrophenol	74		72		10-80	3		30
2,4-Dinitrophenol	110		110		20-130	0		30
4,6-Dinitro-o-cresol	104		102		20-164	2		30
Pentachlorophenol	102		101		9-103	1		30
Phenol	47		46		12-110	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305728

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG599802-2 WG599802-3								
2-Methylphenol	93		91		30-130	2		30
3-Methylphenol/4-Methylphenol	90		86		30-130	5		30
2,4,5-Trichlorophenol	117		110		30-130	6		30
Benzoic Acid	66		56			16		30
Benzyl Alcohol	117		113			3		30
Carbazole	108		106		55-144	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	73		68		21-120
Phenol-d6	51		48		10-120
Nitrobenzene-d5	106		102		23-120
2-Fluorobiphenyl	106		98		15-120
2,4,6-Tribromophenol	**130**	Q	**123**	Q	10-120
4-Terphenyl-d14	99		94		41-149

PCBS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305728

Project Number: Not Specified **Report Date:** 04/18/13

SAMPLE RESULTS

Lab ID:	L1305728-03	Date Collected:	04/03/13 10:30
Client ID:	FB130403	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	04/08/13 18:13
Analytical Date:	04/09/13 12:19	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	04/08/13
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	04/08/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	63		30-150
Decachlorobiphenyl	71		30-150
2,4,5,6-Tetrachloro-m-xylene	65		30-150
Decachlorobiphenyl	63		30-150

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305728

Report Date: 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/05/13 16:31
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 04/04/13 10:09
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/05/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/05/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG599477-1					
Aroclor 1016	ND		ug/kg	16.2	3.21
Aroclor 1221	ND		ug/kg	16.2	4.90
Aroclor 1232	ND		ug/kg	16.2	3.45
Aroclor 1242	ND		ug/kg	16.2	3.08
Aroclor 1248	ND		ug/kg	16.2	1.97
Aroclor 1254	ND		ug/kg	16.2	2.56
Aroclor 1260	ND		ug/kg	16.2	2.82

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	86		30-150
Decachlorobiphenyl	89		30-150
2,4,5,6-Tetrachloro-m-xylene	81		30-150
Decachlorobiphenyl	90		30-150

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305728

Report Date: 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/09/13 11:40
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 04/08/13 18:13
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/08/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/08/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03 Batch: WG600317-1					
Aroclor 1016	ND		ug/l	0.083	0.055
Aroclor 1221	ND		ug/l	0.083	0.053
Aroclor 1232	ND		ug/l	0.083	0.031
Aroclor 1242	ND		ug/l	0.083	0.060
Aroclor 1248	ND		ug/l	0.083	0.051
Aroclor 1254	ND		ug/l	0.083	0.034
Aroclor 1260	ND		ug/l	0.083	0.032

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	64		30-150
Decachlorobiphenyl	65		30-150
2,4,5,6-Tetrachloro-m-xylene	66		30-150
Decachlorobiphenyl	58		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305728

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG599477-2 WG599477-3								
Aroclor 1016	73		79		40-140	8		50
Aroclor 1260	76		83		40-140	9		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	64		69		30-150
Decachlorobiphenyl	75		78		30-150
2,4,5,6-Tetrachloro-m-xylene	65		70		30-150
Decachlorobiphenyl	75		77		30-150

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03 Batch: WG600317-2 WG600317-3								
Aroclor 1016	58		53		40-140	10		50
Aroclor 1260	49		50		40-140	1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	62		61		30-150
Decachlorobiphenyl	70		70		30-150
2,4,5,6-Tetrachloro-m-xylene	64		62		30-150
Decachlorobiphenyl	65		63		30-150

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305728
Project Number: Not Specified
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305728-01
Client ID: P002015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 65%

Date Collected: 04/03/13 14:00
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	27		mg/kg	0.57	0.11	1	04/04/13 12:52	04/04/13 23:52	EPA 3050B	1,6010C	BM
Mercury, Total	0.23		mg/kg	0.12	0.02	1	04/10/13 11:33	04/10/13 14:55	EPA 7471B	1,7471B	MC

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305728
Project Number: Not Specified
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305728-02
Client ID: P003015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 94%

Date Collected: 04/03/13 14:20
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	10		mg/kg	0.41	0.08	1	04/04/13 12:52	04/04/13 23:55	EPA 3050B	1,6010C	BM
Mercury, Total	0.17		mg/kg	0.07	0.01	1	04/10/13 11:33	04/10/13 15:00	EPA 7471B	1,7471B	MC

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305728
Project Number: Not Specified
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305728-03
Client ID: FB130403
Sample Location: GLENS FALLS NEW YORK
Matrix: Water
Date Collected: 04/03/13 10:30
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	0.00037	J	mg/l	0.00050	0.0002	1	04/05/13 09:15	04/06/13 13:27	EPA 3005A	1,6020A	AK
Barium, Total	ND		mg/l	0.00050	0.0001	1	04/05/13 09:15	04/06/13 13:27	EPA 3005A	1,6020A	AK
Beryllium, Total	ND		mg/l	0.00050	0.0001	1	04/05/13 09:15	04/06/13 13:27	EPA 3005A	1,6020A	AK
Cadmium, Total	0.00008	J	mg/l	0.00050	0.00005	1	04/05/13 09:15	04/06/13 13:27	EPA 3005A	1,6020A	AK
Chromium, Total	0.00032	J	mg/l	0.00100	0.0002	1	04/05/13 09:15	04/06/13 13:27	EPA 3005A	1,6020A	AK
Copper, Total	ND		mg/l	0.00100	0.0001	1	04/05/13 09:15	04/06/13 13:27	EPA 3005A	1,6020A	AK
Lead, Total	ND		mg/l	0.00100	0.0002	1	04/05/13 09:15	04/06/13 13:27	EPA 3005A	1,6020A	AK
Mercury, Total	ND		mg/l	0.00020	0.0001	1	04/04/13 20:57	04/05/13 10:11	EPA 7470A	1,7470A	JH
Nickel, Total	ND		mg/l	0.00050	0.0001	1	04/05/13 09:15	04/06/13 13:27	EPA 3005A	1,6020A	AK
Selenium, Total	ND		mg/l	0.00500	0.0003	1	04/05/13 09:15	04/06/13 13:27	EPA 3005A	1,6020A	AK
Silver, Total	ND		mg/l	0.00050	0.0001	1	04/05/13 09:15	04/06/13 13:27	EPA 3005A	1,6020A	AK
Zinc, Total	0.00866	J	mg/l	0.01000	0.0012	1	04/05/13 09:15	04/06/13 13:27	EPA 3005A	1,6020A	AK

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305728

Project Number: Not Specified **Report Date:** 04/18/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG599523-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Barium, Total	0.18	J	mg/kg	0.40	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Copper, Total	ND		mg/kg	0.40	0.20	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Lead, Total	0.55	J	mg/kg	2.0	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Selenium, Total	0.12	J	mg/kg	0.80	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Silver, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Zinc, Total	0.39	J	mg/kg	2.0	0.20	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03 Batch: WG599635-1										
Mercury, Total	ND		mg/l	0.00020	0.0001	1	04/04/13 20:57	04/05/13 09:32	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03 Batch: WG599736-1										
Arsenic, Total	ND		mg/l	0.00050	0.0002	1	04/05/13 09:15	04/06/13 13:23	1,6020A	AK
Barium, Total	ND		mg/l	0.00050	0.0001	1	04/05/13 09:15	04/06/13 13:23	1,6020A	AK
Beryllium, Total	ND		mg/l	0.00050	0.0001	1	04/05/13 09:15	04/06/13 13:23	1,6020A	AK
Cadmium, Total	ND		mg/l	0.00050	0.0001	1	04/05/13 09:15	04/06/13 13:23	1,6020A	AK
Chromium, Total	0.00027	J	mg/l	0.00100	0.0002	1	04/05/13 09:15	04/06/13 13:23	1,6020A	AK
Copper, Total	ND		mg/l	0.00100	0.0001	1	04/05/13 09:15	04/06/13 13:23	1,6020A	AK

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305728

Project Number: Not Specified **Report Date:** 04/18/13

Method Blank Analysis
Batch Quality Control

Lead, Total	ND	mg/l	0.00100	0.0002	1	04/05/13 09:15	04/06/13 13:23	1,6020A	AK
Nickel, Total	ND	mg/l	0.00050	0.0001	1	04/05/13 09:15	04/06/13 13:23	1,6020A	AK
Selenium, Total	ND	mg/l	0.00500	0.0003	1	04/05/13 09:15	04/06/13 13:23	1,6020A	AK
Silver, Total	ND	mg/l	0.00050	0.0001	1	04/05/13 09:15	04/06/13 13:23	1,6020A	AK
Zinc, Total	ND	mg/l	0.01000	0.0012	1	04/05/13 09:15	04/06/13 13:23	1,6020A	AK

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG600659-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/10/13 11:33	04/10/13 14:16	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305728

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG599523-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Chromium, Total	97		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	98		-		80-120	-		
Nickel, Total	94		-		82-117	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	97		-		66-134	-		
Zinc, Total	100		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 03 Batch: WG599635-2								
Mercury, Total	103		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305728

Report Date: 04/18/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03 Batch: WG599736-2					
Arsenic, Total	111	-	80-120	-	
Barium, Total	94	-	80-120	-	
Beryllium, Total	105	-	80-120	-	
Cadmium, Total	110	-	80-120	-	
Chromium, Total	99	-	80-120	-	
Copper, Total	108	-	80-120	-	
Lead, Total	105	-	80-120	-	
Nickel, Total	100	-	80-120	-	
Selenium, Total	110	-	80-120	-	
Silver, Total	102	-	80-120	-	
Zinc, Total	120	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG600659-2 SRM Lot Number: 0518-10-02					
Mercury, Total	111	-	67-133	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305728
Report Date: 04/18/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599523-4 QC Sample: L1305720-01 Client ID: MS Sample												
Arsenic, Total	6.0	12.9	17	85		-	-		75-125	-		35
Barium, Total	200	214	370	79		-	-		75-125	-		35
Beryllium, Total	1.0	5.36	6.0	93		-	-		75-125	-		35
Cadmium, Total	13.	55	63	91		-	-		75-125	-		35
Chromium, Total	260	21.4	320	**280**	Q	-	-		75-125	-		35
Copper, Total	58.	26.8	86	104		-	-		75-125	-		35
Lead, Total	170	54.7	280	**201**	Q	-	-		75-125	-		35
Nickel, Total	37.	53.6	76	**73**	Q	-	-		75-125	-		35
Selenium, Total	1.0J	12.9	13	101		-	-		75-125	-		35
Silver, Total	0.20J	32.2	34	106		-	-		75-125	-		35
Zinc, Total	130	53.6	180	93		-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 03 QC Batch ID: WG599635-4 QC Sample: L1305718-01 Client ID: MS Sample												
Mercury, Total	ND	0.001	0.00125	126		-	-		70-130	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305728
Report Date: 04/18/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03 QC Batch ID: WG599736-4 QC Sample: L1305860-01 Client ID: MS Sample										
Arsenic, Total	0.00966	0.12	0.1449	113		-	-	80-120	-	20
Barium, Total	0.3718	2	2.287	96		-	-	80-120	-	20
Beryllium, Total	0.00046J	0.05	0.05335	107		-	-	80-120	-	20
Cadmium, Total	0.00020J	0.51	0.5702	112		-	-	80-120	-	20
Chromium, Total	0.01800	0.2	0.2121	97		-	-	80-120	-	20
Copper, Total	0.02826	0.25	0.2717	97		-	-	80-120	-	20
Lead, Total	0.02710	0.51	0.5730	107		-	-	80-120	-	20
Nickel, Total	0.01275	0.5	0.5029	98		-	-	80-120	-	20
Selenium, Total	0.00033J	0.12	0.128	107		-	-	80-120	-	20
Silver, Total	ND	0.05	0.04974	99		-	-	80-120	-	20
Zinc, Total	0.04146	0.5	0.6152	115		-	-	80-120	-	20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600659-4 QC Sample: L1305720-01 Client ID: MS Sample										
Mercury, Total	0.18	0.181	1.1	**507**	Q	-	-	70-130	-	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305728
Report Date: 04/18/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599523-3 QC Sample: L1305720-01 Client ID: DUP Sample						
Barium, Total	200	150	mg/kg	29		35
Cadmium, Total	13.	11	mg/kg	17		35
Chromium, Total	260	160	mg/kg	**48**	Q	35
Copper, Total	58.	48	mg/kg	19		35
Lead, Total	170	140	mg/kg	19		35
Nickel, Total	37.	27	mg/kg	31		35
Selenium, Total	1.0J	1.1	mg/kg	NC		35
Zinc, Total	130	120	mg/kg	8		35
Total Metals - Westborough Lab Associated sample(s): 03 QC Batch ID: WG599635-3 QC Sample: L1305718-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305728
Report Date: 04/18/13

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03 QC Batch ID: WG599736-3 QC Sample: L1305860-01 Client ID: DUP Sample						
Arsenic, Total	0.00966	0.00983	mg/l	2		20
Barium, Total	0.3718	0.3838	mg/l	3		20
Beryllium, Total	0.00046J	0.00045J	mg/l	NC		20
Cadmium, Total	0.00020J	0.00013J	mg/l	NC		20
Chromium, Total	0.01800	0.02013	mg/l	11		20
Copper, Total	0.02826	0.02943	mg/l	4		20
Lead, Total	0.02710	0.02794	mg/l	3		20
Nickel, Total	0.01275	0.01417	mg/l	11		20
Selenium, Total	0.00033J	0.00033J	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Zinc, Total	0.04146	0.04419	mg/l	6		20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600659-3 QC Sample: L1305720-01 Client ID: DUP Sample						
Mercury, Total	0.18	1.5	mg/kg	**157**	Q	35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305728
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305728-01
Client ID: P002015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/03/13 14:00
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	65.2		%	0.100	NA	1	-	04/04/13 18:56	30,2540G	RD

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305728
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305728-02
Client ID: P003015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/03/13 14:20
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.2		%	0.100	NA	1	-	04/04/13 18:56	30,2540G	RD

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305728
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305728-03
Client ID: FB130403
Sample Location: GLENS FALLS NEW YORK
Matrix: Water

Date Collected: 04/03/13 10:30
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/04/13 10:15	04/04/13 15:04	1,9010C/9012A	JO

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305728

Project Number: Not Specified **Report Date:** 04/18/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 03 Batch: WG599545-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/04/13 10:15	04/04/13 14:49	1,9010C/9012A	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305728

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03 Batch: WG599545-4 WG599545-5								
Cyanide, Total	99		107		80-120	8		20

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305728
Report Date: 04/18/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03 QC Batch ID: WG599545-3 WG599545-2 QC Sample: L1305728-03 Client ID: FB130403												
Cyanide, Total	ND	0.2	0.198	99		0.209	104		80-120	5		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305728
Report Date: 04/18/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599637-1 QC Sample: L1305720-01 Client ID: DUP Sample						
Solids, Total	71.4	70.0	%	2		20

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305728
Report Date: 04/18/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 04/04/2013 05:20

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305728-01A	Vial MeOH preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305728-01B	Vial water preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305728-01C	Vial water preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305728-01D	Plastic 2oz unpreserved for TS	A	N/A	3.1	Y	Absent	TS(7)
L1305728-01E	Amber 120ml unpreserved	A	N/A	3.1	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1305728-01F	Amber 250ml unpreserved	A	N/A	3.1	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1305728-02A	Vial MeOH preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305728-02B	Vial water preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305728-02C	Vial water preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305728-02D	Plastic 2oz unpreserved for TS	A	N/A	3.1	Y	Absent	TS(7)
L1305728-02E	Amber 120ml unpreserved	A	N/A	3.1	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305728
Report Date: 04/18/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305728-02F	Amber 250ml unpreserved	A	N/A	3.1	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1305728-03A	Vial HCl preserved	A	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1305728-03B	Vial HCl preserved	A	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1305728-03C	Vial HCl preserved	A	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1305728-03D	Amber 1000ml unpreserved	A	7	3.1	Y	Absent	NYTCL-8270(7)
L1305728-03E	Amber 1000ml unpreserved	A	7	3.1	Y	Absent	NYTCL-8270(7)
L1305728-03F	Amber 1000ml unpreserved	A	7	3.1	Y	Absent	NYTCL-8082-1200ML(7)
L1305728-03G	Amber 1000ml unpreserved	A	7	3.1	Y	Absent	NYTCL-8082-1200ML(7)
L1305728-03I	Plastic 250ml NaOH preserved	A	>12	3.1	Y	Absent	TCN-9010(14)
L1305728-03J	Plastic 500ml HNO3 preserved	A	<2	3.1	Y	Absent	BA-6020T(180),SE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),AS-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28)
L1305728-04A	Vial HCl preserved	A	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1305728-04B	Vial HCl preserved	A	N/A	3.1	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305728
Project Number:	Not Specified	**Report Date:**	04/18/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305728
Project Number:	Not Specified	**Report Date:**	04/18/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305728
Project Number:	Not Specified	**Report Date:**	04/18/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 4/4/13

ALPHA Job #: L1305728

ALPHA ANALYTICAL World Class Chemistry

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193

Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/10/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Detection limits to meet NYSDEC Part 375 Requirements (Unrestricted)
Find %Moisture of each aliquot and calculate average for use as %Moisture of associated composite sample

ANALYSIS

SAMPLE HANDLING

Filtration

☐ Done

☐ Not Needed

☐ Lab to do

Preservation

☒ Lab to do

(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs-See attached list	Hexavalent Chromium-Hold	Cyanide-Hold	Metals-See attached list-Hold	PCBs-Hold	SVOCs-See attached list-Hold	Sample Specific Comments	TOTAL # BOTTLES
	~~P002 P005~~					☐	☐	☐	☐	☐	☐		
05728-01	P002015	4/3	1400	S	[initials]	☒	☒	☒	☒	☒	☒		
-02	P003015	4/3	1420	S	[initials]	☒	☒	☒	☒	☒	☒		
-03	FB130403	4/3	1030	Aq	[initials]	☒	☒	☒	☒	☒	☒		
-04	TB130403	4/3	—	Aq	[initials]	☒	☐	☐	☐	☐	☐		

Container Type	-
Preservative	-

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/3 1600	[signature]	4/3/13 1600
[signature]		[signature]	4/3/13 2200
[signature]	4/3/13 00:50	[signature]	4/4/13 0050

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 5-JAN-12)

ANALYTICAL REPORT

Lab Number:	L1305727
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/10/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305727
Report Date: 04/10/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305727-01	P013P012	GLENS FALLS NEW YORK	04/02/13 14:20

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305727
Project Number: Not Specified **Report Date:** 04/10/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305727
Project Number: Not Specified **Report Date:** 04/10/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 04/10/13

ORGANICS

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305727

Project Number: Not Specified **Report Date:** 04/10/13

SAMPLE RESULTS

Lab ID:	L1305727-01	Date Collected:	04/02/13 14:20
Client ID:	P013P012	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/04/13 07:47
Analytical Date:	04/08/13 21:47		
Analyst:	JB		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1
Benzo(a)anthracene	ND		ug/kg	110	37.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	110	38.	1
Benzo(k)fluoranthene	ND		ug/kg	110	36.	1
Chrysene	ND		ug/kg	110	38.	1
Fluorene	ND		ug/kg	190	55.	1
Phenanthrene	ND		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	37.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	42.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	56.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	63.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	91		25-120
Phenol-d6	91		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	108		30-120
2,4,6-Tribromophenol	**151**	Q	0-136
4-Terphenyl-d14	**132**	Q	18-120

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305727
Report Date: 04/10/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/08/13 17:19
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 04/04/13 07:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG599427-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	49	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	49	17.
Benzo(k)fluoranthene	ND		ug/kg	49	16.
Chrysene	ND		ug/kg	49	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	49	16.
Dibenzo(a,h)anthracene	ND		ug/kg	49	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		25-120
Phenol-d6	33		10-120
Nitrobenzene-d5	35		23-120
2-Fluorobiphenyl	37		30-120
2,4,6-Tribromophenol	44		0-136
4-Terphenyl-d14	57		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305727

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599427-2 WG599427-3								
Acenaphthene	54		66		31-137	20		50
1,2,4-Trichlorobenzene	54		68		38-107	23		50
Hexachlorobenzene	75		77		40-140	3		50
Bis(2-chloroethyl)ether	43		59		40-140	31		50
2-Chloronaphthalene	60		72		40-140	18		50
1,2-Dichlorobenzene	49		65		40-140	28		50
1,3-Dichlorobenzene	46		64		40-140	33		50
1,4-Dichlorobenzene	47		63		28-104	29		50
3,3'-Dichlorobenzidine	56		60		40-140	7		50
2,4-Dinitrotoluene	66		66		28-89	0		50
2,6-Dinitrotoluene	71		69		40-140	3		50
Fluoranthene	70		70		40-140	0		50
4-Chlorophenyl phenyl ether	65		68		40-140	5		50
4-Bromophenyl phenyl ether	73		77		40-140	5		50
Bis(2-chloroisopropyl)ether	**33**	Q	44		40-140	29		50
Bis(2-chloroethoxy)methane	47		60		40-117	24		50
Hexachlorobutadiene	56		75		40-140	29		50
Hexachlorocyclopentadiene	**20**	Q	**22**	Q	40-140	10		50
Hexachloroethane	44		60		40-140	31		50
Isophorone	46		57		40-140	21		50
Naphthalene	48		64		40-140	29		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305727

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599427-2 WG599427-3								
Nitrobenzene	46		57		40-140	21		50
NitrosoDiPhenylAmine(NDPA)/DPA	67		69			3		50
n-Nitrosodi-n-propylamine	43		58		32-121	30		50
Bis(2-Ethylhexyl)phthalate	67		68		40-140	1		50
Butyl benzyl phthalate	66		63		40-140	5		50
Di-n-butylphthalate	67		65		40-140	3		50
Di-n-octylphthalate	63		66		40-140	5		50
Diethyl phthalate	67		68		40-140	1		50
Dimethyl phthalate	64		69		40-140	8		50
Benzo(a)anthracene	70		72		40-140	3		50
Benzo(a)pyrene	72		70		40-140	3		50
Benzo(b)fluoranthene	74		71		40-140	4		50
Benzo(k)fluoranthene	73		76		40-140	4		50
Chrysene	70		68		40-140	3		50
Acenaphthylene	59		67		40-140	13		50
Anthracene	67		67		40-140	0		50
Benzo(ghi)perylene	66		62		40-140	6		50
Fluorene	64		67		40-140	5		50
Phenanthrene	69		66		40-140	4		50
Dibenzo(a,h)anthracene	68		67		40-140	1		50
Indeno(1,2,3-cd)Pyrene	65		64		40-140	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305727

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599427-2 WG599427-3								
Pyrene	70		70		35-142	0		50
Biphenyl	56		69			21		50
4-Chloroaniline	**25**	Q	**29**	Q	40-140	15		50
2-Nitroaniline	69		68		47-134	1		50
3-Nitroaniline	38		44		26-129	15		50
4-Nitroaniline	60		62		41-125	3		50
Dibenzofuran	57		66		40-140	15		50
2-Methylnaphthalene	54		65		40-140	18		50
1,2,4,5-Tetrachlorobenzene	56		75		40-117	29		50
Acetophenone	51		67		14-144	27		50
2,4,6-Trichlorophenol	72		77		30-130	7		50
P-Chloro-M-Cresol	65		70		26-103	7		50
2-Chlorophenol	51		70		25-102	31		50
2,4-Dichlorophenol	60		74		30-130	21		50
2,4-Dimethylphenol	52		66		30-130	24		50
2-Nitrophenol	54		71		30-130	27		50
4-Nitrophenol	73		71		11-114	3		50
2,4-Dinitrophenol	39		40		4-130	3		50
4,6-Dinitro-o-cresol	47		46		10-130	2		50
Pentachlorophenol	74		72		17-109	3		50
Phenol	46		60		26-90	26		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305727

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599427-2 WG599427-3								
2-Methylphenol	51		65		30-130.	24		50
3-Methylphenol/4-Methylphenol	53		67		30-130	23		50
2,4,5-Trichlorophenol	76		74		30-130	3		50
Benzoic Acid	28		30			7		50
Benzyl Alcohol	50		63		40-140	23		50
Carbazole	68		67		54-128	1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		67		25-120
Phenol-d6	50		64		10-120
Nitrobenzene-d5	49		61		23-120
2-Fluorobiphenyl	60		68		30-120
2,4,6-Tribromophenol	83		82		0-136
4-Terphenyl-d14	73		71		18-120

PCBS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305727

Project Number: Not Specified **Report Date:** 04/10/13

SAMPLE RESULTS

Lab ID:	L1305727-01	Date Collected:	04/02/13 14:20
Client ID:	P013P012	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	04/05/13 08:33
Analytical Date:	04/05/13 15:42	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	04/05/13
Percent Solids:	86%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	04/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	38.0	7.50	1
Aroclor 1221	ND		ug/kg	38.0	11.4	1
Aroclor 1232	ND		ug/kg	38.0	8.07	1
Aroclor 1242	ND		ug/kg	38.0	7.21	1
Aroclor 1248	ND		ug/kg	38.0	4.60	1
Aroclor 1254	ND		ug/kg	38.0	5.99	1
Aroclor 1260	ND		ug/kg	38.0	6.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	109		30-150
Decachlorobiphenyl	119		30-150
2,4,5,6-Tetrachloro-m-xylene	111		30-150
Decachlorobiphenyl	128		30-150

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305727

Report Date: 04/10/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/05/13 16:31
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 04/04/13 10:09
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/05/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/05/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG599477-1					
Aroclor 1016	ND		ug/kg	16.2	3.21
Aroclor 1221	ND		ug/kg	16.2	4.90
Aroclor 1232	ND		ug/kg	16.2	3.45
Aroclor 1242	ND		ug/kg	16.2	3.08
Aroclor 1248	ND		ug/kg	16.2	1.97
Aroclor 1254	ND		ug/kg	16.2	2.56
Aroclor 1260	ND		ug/kg	16.2	2.82

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	86		30-150
Decachlorobiphenyl	89		30-150
2,4,5,6-Tetrachloro-m-xylene	81		30-150
Decachlorobiphenyl	90		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305727

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG599477-2 WG599477-3								
Aroclor 1016	73		79		40-140	8		50
Aroclor 1260	76		83		40-140	9		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	64		69		30-150
Decachlorobiphenyl	75		78		30-150
2,4,5,6-Tetrachloro-m-xylene	65		70		30-150
Decachlorobiphenyl	75		77		30-150

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305727
Project Number: Not Specified
Report Date: 04/10/13

SAMPLE RESULTS

Lab ID: L1305727-01
Client ID: P013P012
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 86%

Date Collected: 04/02/13 14:20
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.4		mg/kg	0.45	0.14	2	04/04/13 12:05	04/10/13 15:15	EPA 3050B	1,6010C	MS
Barium, Total	86		mg/kg	0.45	0.14	2	04/04/13 12:05	04/10/13 15:15	EPA 3050B	1,6010C	MS
Beryllium, Total	0.57		mg/kg	0.23	0.02	2	04/04/13 12:05	04/10/13 15:15	EPA 3050B	1,6010C	MS
Cadmium, Total	1.7		mg/kg	0.45	0.03	2	04/04/13 12:05	04/10/13 15:15	EPA 3050B	1,6010C	MS
Chromium, Total	17		mg/kg	0.45	0.09	2	04/04/13 12:05	04/10/13 15:15	EPA 3050B	1,6010C	MS
Copper, Total	9.2		mg/kg	0.45	0.23	2	04/04/13 12:05	04/10/13 15:15	EPA 3050B	1,6010C	MS
Lead, Total	24		mg/kg	2.3	0.14	2	04/04/13 12:05	04/10/13 15:15	EPA 3050B	1,6010C	MS
Mercury, Total	0.09		mg/kg	0.09	0.02	2	04/10/13 11:33	04/10/13 14:53	EPA 7471B	1,7471B	MC
Nickel, Total	9.6		mg/kg	1.1	0.18	2	04/04/13 12:05	04/10/13 15:15	EPA 3050B	1,6010C	MS
Selenium, Total	0.79	J	mg/kg	0.91	0.14	2	04/04/13 12:05	04/10/13 15:15	EPA 3050B	1,6010C	MS
Silver, Total	ND		mg/kg	0.45	0.09	2	04/04/13 12:05	04/10/13 15:15	EPA 3050B	1,6010C	MS
Zinc, Total	34		mg/kg	2.3	0.23	2	04/04/13 12:05	04/10/13 15:15	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305727

Project Number: Not Specified **Report Date:** 04/10/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG599523-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Barium, Total	0.18	J	mg/kg	0.40	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Copper, Total	ND		mg/kg	0.40	0.20	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Lead, Total	0.55	J	mg/kg	2.0	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Selenium, Total	0.12	J	mg/kg	0.80	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Silver, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Zinc, Total	0.39	J	mg/kg	2.0	0.20	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG600659-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/10/13 11:33	04/10/13 14:16	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305727

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG599523-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Chromium, Total	97		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	98		-		80-120	-		
Nickel, Total	94		-		82-117	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	97		-		66-134	-		
Zinc, Total	100		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG600659-2 SRM Lot Number: 0518-10-02								
Mercury, Total	111		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305727
Report Date: 04/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599523-4 QC Sample: L1305720-01 Client ID: MS Sample												
Arsenic, Total	6.0	12.9	17	85		-	-		75-125	-		35
Barium, Total	200	214	370	79		-	-		75-125	-		35
Beryllium, Total	1.0	5.36	6.0	93		-	-		75-125	-		35
Cadmium, Total	13.	55	63	91		-	-		75-125	-		35
Chromium, Total	260	21.4	320	**280**	Q	-	-		75-125	-		35
Copper, Total	58.	26.8	86	104		-	-		75-125	-		35
Lead, Total	170	54.7	280	**201**	Q	-	-		75-125	-		35
Nickel, Total	37.	53.6	76	**73**	Q	-	-		75-125	-		35
Selenium, Total	1.0J	12.9	13	101		-	-		75-125	-		35
Silver, Total	0.20J	32.2	34	106		-	-		75-125	-		35
Zinc, Total	130	53.6	180	93		-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600659-4 QC Sample: L1305720-01 Client ID: MS Sample												
Mercury, Total	0.18	0.181	1.1	**507**	Q	-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305727
Report Date: 04/10/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599523-3 QC Sample: L1305720-01 Client ID: DUP Sample						
Arsenic, Total	6.0	4.4	mg/kg	31		35
Barium, Total	200	150	mg/kg	29		35
Beryllium, Total	1.0	0.87	mg/kg	14		35
Cadmium, Total	13.	11	mg/kg	17		35
Chromium, Total	260	160	mg/kg	**48**	Q	35
Copper, Total	58.	48	mg/kg	19		35
Lead, Total	170	140	mg/kg	19		35
Nickel, Total	37.	27	mg/kg	31		35
Selenium, Total	1.0J	1.1	mg/kg	NC		35
Silver, Total	0.20J	ND	mg/kg	NC		35
Zinc, Total	130	120	mg/kg	8		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600659-3 QC Sample: L1305720-01 Client ID: DUP Sample						
Mercury, Total	0.18	1.5	mg/kg	**157**	Q	35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305727
Report Date: 04/10/13

SAMPLE RESULTS

Lab ID: L1305727-01
Client ID: P013P012
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/02/13 14:20
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.8		%	0.100	NA	1	-	04/04/13 18:56	30,2540G	RD
Cyanide, Total	ND		mg/kg	1.1	0.26	2	04/04/13 13:45	04/04/13 17:24	1,9010C/9012A	JO

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305727

Project Number: Not Specified **Report Date:** 04/10/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG599586-1										
Cyanide, Total	ND		mg/kg	0.90	0.21	1	04/04/13 13:45	04/04/13 17:04	1,9010C/9012A	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305727

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG599586-4 WG599586-5								
Cyanide, Total	94		106		80-120	12		35

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305727
Report Date: 04/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599586-3 WG599586-2 QC Sample: L1305685-01 Client ID: MS Sample												
Cyanide, Total	ND	12	12	100		12	100		65-135	0		35

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305727
Project Number:	Not Specified	**Report Date:**	04/10/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305727
Project Number:	Not Specified	**Report Date:**	04/10/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305727
Project Number:	Not Specified	**Report Date:**	04/10/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 4

ALPHA ANALYTICAL — World Class Chemistry

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/4/13
ALPHA Job #: L1305727

Project Information

Project Name: BASF Glens Falls New York
Project Location: Glens Falls New York
Project #:
Project Manager: P. Malmquist
ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions
Address: 4327 Pt Pleasant Pk (PO Box 410)
Danboro, PA 18916
Phone: 215-230-8282
Fax: 215-230-8283
Email: pmalmquist@amoed.com
☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)
Due Date: 4/10/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:
Extract/Digest Sample P013015 and Sample P012015.
Composite and analyze Extract/Digestate as Sample inidicated below.
Detection limits to meet NYSDEC Part 375 Requirements (0.5 x Unrestricted)
Use average of associated aliquot %Moisture for result calculations

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cyanide	Metals-See attached list (no Cr6+)	PCBs	SVOCs-See attached list	Sample Specific Comments	TOTAL # BOTTLES
05727-01	P013 P012	4/2	1420	S	[illegible]	☒	☒	☒	☒		

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/3 1600	[signature]	4/3/13 1600
[signature]		[signature]	4/3/13 2300
[signature]	4/3/13 00:50	[signature]	4/4/13 00:50

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 5-JAN-12)

JOB: L1305726 REPORT STYLE: Data Usability Report
001: Cover & Signature Pages - OK
006: Narrative Page(s) - OK
010: Cover Page - OK
011: Volatiles Sample Results - OK
012: Volatiles Blank Report - OK
013: Volatiles LCS Report - OK
018: Cover Page - OK
020: Semivolatiles Blank Report - OK
021: Semivolatiles LCS Report - OK
070: Cover Page - OK
072: PCB Blank Report - OK
074: PCB LCS Report - OK
100: Metals Sample Results - OK
101: Metals Blank Report - OK
102: Metals LCS Report - OK
104: Metals Matrix Spike Report - OK
105: Metals Duplicate Report - OK
118: Cover Page - OK
120: Wet Chemistry Sample Results - OK
125: Wet Chemistry Duplicate Report - OK
510: Container Report - OK
520: Glossary - OK
540: Reference Report - OK

No results found for sample L1305726-01 for product AG-TI
No results found for sample L1305726-01 for product AS-TI
No results found for sample L1305726-01 for product BA-TI
No results found for sample L1305726-01 for product BE-TI
No results found for sample L1305726-01 for product CU-TI
No results found for sample L1305726-01 for product HG-T
No results found for sample L1305726-01 for product NI-TI
No results found for sample L1305726-01 for product NYTCL-8082
No results found for sample L1305726-01 for product NYTCL-8270
No results found for sample L1305726-01 for product PB-TI
No results found for sample L1305726-01 for product SE-TI
No results found for sample L1305726-01 for product TCN-9010
No results found for sample L1305726-01 for product ZN-TI
No results found for sample L1305726-02 for product AG-TI
No results found for sample L1305726-02 for product AS-TI
No results found for sample L1305726-02 for product BA-TI
No results found for sample L1305726-02 for product BE-TI
No results found for sample L1305726-02 for product CU-TI
No results found for sample L1305726-02 for product HG-T

No results found for sample L1305726-02 for product NI-TI
No results found for sample L1305726-02 for product NYTCL-8082
No results found for sample L1305726-02 for product NYTCL-8270
No results found for sample L1305726-02 for product PB-TI
No results found for sample L1305726-02 for product SE-TI
No results found for sample L1305726-02 for product TCN-9010
No results found for sample L1305726-02 for product ZN-TI

ANALYTICAL REPORT

Lab Number:	L1305726
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/18/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305726
Report Date: 04/18/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305726-01	P013015	GLENS FALLS NEW YORK	04/02/13 14:10
L1305726-02	P012015	GLENS FALLS NEW YORK	04/02/13 14:20

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305726
Project Number: Not Specified **Report Date:** 04/18/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305726
Project Number:	Not Specified	**Report Date:**	04/18/13

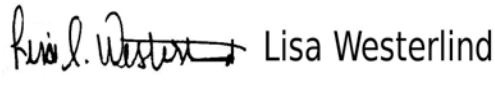
Case Narrative (continued)

Report Submission

This partial report replaces the report issued on April 10, 2013. At the client's request, the samples were analyzed for Total Cadmium and Chromium. A final report will be issued as soon as the results of all requested analyses become available.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Lisa Westerlind

Title: Technical Director/Representative Date: 04/18/13

ORGANICS

VOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305726

Project Number: Not Specified **Report Date:** 04/18/13

SAMPLE RESULTS

Lab ID:	L1305726-01	Date Collected:	04/02/13 14:10
Client ID:	P013015	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/07/13 10:04		
Analyst:	BN		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.3	0.32	1
Carbon tetrachloride	ND		ug/kg	0.86	0.18	1
Chlorobenzene	ND		ug/kg	0.86	0.30	1
1,2-Dichloroethane	ND		ug/kg	0.86	0.13	1
Benzene	ND		ug/kg	0.86	0.10	1
Toluene	0.46	J	ug/kg	1.3	0.10	1
Ethylbenzene	ND		ug/kg	0.86	0.13	1
Chloromethane	ND		ug/kg	4.3	0.68	1
Vinyl chloride	ND		ug/kg	1.7	0.12	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.18	1
Trichloroethene	ND		ug/kg	0.86	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	4.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	4.3	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	4.3	0.21	1
cis-1,2-Dichloroethene	ND		ug/kg	0.86	0.13	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	101		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305726

Project Number: Not Specified **Report Date:** 04/18/13

SAMPLE RESULTS

Lab ID:	L1305726-02	Date Collected:	04/02/13 14:20
Client ID:	P012015	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/07/13 10:32		
Analyst:	BN		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.3	0.32	1
Carbon tetrachloride	ND		ug/kg	0.86	0.18	1
Chlorobenzene	ND		ug/kg	0.86	0.30	1
1,2-Dichloroethane	ND		ug/kg	0.86	0.13	1
Benzene	ND		ug/kg	0.86	0.10	1
Toluene	0.29	J	ug/kg	1.3	0.10	1
Ethylbenzene	ND		ug/kg	0.86	0.13	1
Chloromethane	ND		ug/kg	4.3	0.68	1
Vinyl chloride	ND		ug/kg	1.7	0.12	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.18	1
Trichloroethene	ND		ug/kg	0.86	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	4.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	4.3	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	4.3	0.21	1
cis-1,2-Dichloroethene	ND		ug/kg	0.86	0.13	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	102		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305726

Project Number: Not Specified **Report Date:** 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/07/13 09:36
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG600105-3					
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.34	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Vinyl chloride	ND		ug/kg	2.0	0.14
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305726

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600105-1 WG600105-2								
Methylene chloride	99		92		70-130	7		30
1,1-Dichloroethane	96		90		70-130	6		30
Chloroform	90		84		70-130	7		30
Carbon tetrachloride	94		85		70-130	10		30
1,2-Dichloropropane	94		88		70-130	7		30
Dibromochloromethane	91		87		70-130	4		30
2-Chloroethylvinyl ether	93		88			6		30
1,1,2-Trichloroethane	93		90		70-130	3		30
Tetrachloroethene	100		92		70-130	8		30
Chlorobenzene	94		89		70-130	5		30
Trichlorofluoromethane	92		82		70-139	11		30
1,2-Dichloroethane	79		77		70-130	3		30
1,1,1-Trichloroethane	91		83		70-130	9		30
Bromodichloromethane	86		83		70-130	4		30
trans-1,3-Dichloropropene	90		87		70-130	3		30
cis-1,3-Dichloropropene	89		86		70-130	3		30
1,1-Dichloropropene	96		88		70-130	9		30
Bromoform	86		85		70-130	1		30
1,1,2,2-Tetrachloroethane	91		91		70-130	0		30
Benzene	95		89		70-130	7		30
Toluene	96		89		70-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305726

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600105-1 WG600105-2								
Ethylbenzene	92		86		70-130	7		30
Chloromethane	128		114		52-130	12		30
Bromomethane	100		85		57-147	16		30
Vinyl chloride	123		109		67-130	12		30
Chloroethane	85		70		50-151	19		30
1,1-Dichloroethene	104		96		65-135	8		30
trans-1,2-Dichloroethene	98		90		70-130	9		30
Trichloroethene	94		87		70-130	8		30
1,2-Dichlorobenzene	93		89		70-130	4		30
1,3-Dichlorobenzene	95		90		70-130	5		30
1,4-Dichlorobenzene	94		90		70-130	4		30
Methyl tert butyl ether	85		84		66-130	1		30
p/m-Xylene	96		89		70-130	8		30
o-Xylene	93		88		70-130	6		30
cis-1,2-Dichloroethene	93		88		70-130	6		30
Dibromomethane	85		82		70-130	4		30
Styrene	90		85		70-130	6		30
Dichlorodifluoromethane	129		114		30-146	12		30
Acetone	104		89		54-140	16		30
Carbon disulfide	106		96		59-130	10		30
2-Butanone	90		83		70-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305726

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600105-1 WG600105-2								
Vinyl acetate	82		82		70-130	0		30
4-Methyl-2-pentanone	84		83		70-130	1		30
1,2,3-Trichloropropane	88		87		68-130	1		30
2-Hexanone	81		77		70-130	5		30
Bromochloromethane	95		90		70-130	5		30
2,2-Dichloropropane	91		83		70-130	9		30
1,2-Dibromoethane	89		88		70-130	1		30
1,3-Dichloropropane	91		88		69-130	3		30
1,1,1,2-Tetrachloroethane	91		87		70-130	4		30
Bromobenzene	93		89		70-130	4		30
n-Butylbenzene	96		88		70-130	9		30
sec-Butylbenzene	96		88		70-130	9		30
tert-Butylbenzene	95		88		70-130	8		30
o-Chlorotoluene	93		88		70-130	6		30
p-Chlorotoluene	93		87		70-130	7		30
1,2-Dibromo-3-chloropropane	80		77		68-130	4		30
Hexachlorobutadiene	104		96		67-130	8		30
Isopropylbenzene	93		87		70-130	7		30
p-Isopropyltoluene	94		88		70-130	7		30
Naphthalene	92		90		70-130	2		30
Acrylonitrile	97		97		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305726

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600105-1 WG600105-2								
Isopropyl Ether	92		89		66-130	3		30
tert-Butyl Alcohol	84		85		70-130	1		30
n-Propylbenzene	95		88		70-130	8		30
1,2,3-Trichlorobenzene	98		94		70-130	4		30
1,2,4-Trichlorobenzene	100		94		70-130	6		30
1,3,5-Trimethylbenzene	94		88		70-130	7		30
1,2,4-Trimethylbenzene	94		88		70-130	7		30
Methyl Acetate	91		91		70-130	0		30
Ethyl Acetate	87		86		70-130	1		30
Acrolein	81		81		70-130	0		30
Cyclohexane	111		102		70-130	8		30
1,4-Dioxane	101		102		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	112		100		70-130	11		30
1,4-Diethylbenzene	96		90		70-130	6		30
4-Ethyltoluene	96		90		70-130	6		30
1,2,4,5-Tetramethylbenzene	93		88		70-130	6		30
Tetrahydrofuran	91		91		66-130	0		30
Ethyl ether	80		77		67-130	4		30
trans-1,4-Dichloro-2-butene	82		83		70-130	1		30
Methyl cyclohexane	105		96		70-130	9		30
Ethyl-Tert-Butyl-Ether	87		84		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305726

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600105-1 WG600105-2								
Tertiary-Amyl Methyl Ether	84		82		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	86		88		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	94		95		70-130
Dibromofluoromethane	100		99		70-130

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305726
Report Date: 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/08/13 17:19
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 04/04/13 07:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG599427-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	49	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	49	17.
Benzo(k)fluoranthene	ND		ug/kg	49	16.
Chrysene	ND		ug/kg	49	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	49	16.
Dibenzo(a,h)anthracene	ND		ug/kg	49	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		25-120
Phenol-d6	33		10-120
Nitrobenzene-d5	35		23-120
2-Fluorobiphenyl	37		30-120
2,4,6-Tribromophenol	44		0-136
4-Terphenyl-d14	57		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305726

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599427-2 WG599427-3								
Acenaphthene	54		66		31-137	20		50
1,2,4-Trichlorobenzene	54		68		38-107	23		50
Hexachlorobenzene	75		77		40-140	3		50
Bis(2-chloroethyl)ether	43		59		40-140	31		50
2-Chloronaphthalene	60		72		40-140	18		50
1,2-Dichlorobenzene	49		65		40-140	28		50
1,3-Dichlorobenzene	46		64		40-140	33		50
1,4-Dichlorobenzene	47		63		28-104	29		50
3,3'-Dichlorobenzidine	56		60		40-140	7		50
2,4-Dinitrotoluene	66		66		28-89	0		50
2,6-Dinitrotoluene	71		69		40-140	3		50
Fluoranthene	70		70		40-140	0		50
4-Chlorophenyl phenyl ether	65		68		40-140	5		50
4-Bromophenyl phenyl ether	73		77		40-140	5		50
Bis(2-chloroisopropyl)ether	**33**	Q	44		40-140	29		50
Bis(2-chloroethoxy)methane	47		60		40-117	24		50
Hexachlorobutadiene	56		75		40-140	29		50
Hexachlorocyclopentadiene	**20**	Q	**22**	Q	40-140	10		50
Hexachloroethane	44		60		40-140	31		50
Isophorone	46		57		40-140	21		50
Naphthalene	48		64		40-140	29		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305726

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599427-2 WG599427-3								
Nitrobenzene	46		57		40-140	21		50
NitrosoDiPhenylAmine(NDPA)/DPA	67		69			3		50
n-Nitrosodi-n-propylamine	43		58		32-121	30		50
Bis(2-Ethylhexyl)phthalate	67		68		40-140	1		50
Butyl benzyl phthalate	66		63		40-140	5		50
Di-n-butylphthalate	67		65		40-140	3		50
Di-n-octylphthalate	63		66		40-140	5		50
Diethyl phthalate	67		68		40-140	1		50
Dimethyl phthalate	64		69		40-140	8		50
Benzo(a)anthracene	70		72		40-140	3		50
Benzo(a)pyrene	72		70		40-140	3		50
Benzo(b)fluoranthene	74		71		40-140	4		50
Benzo(k)fluoranthene	73		76		40-140	4		50
Chrysene	70		68		40-140	3		50
Acenaphthylene	59		67		40-140	13		50
Anthracene	67		67		40-140	0		50
Benzo(ghi)perylene	66		62		40-140	6		50
Fluorene	64		67		40-140	5		50
Phenanthrene	69		66		40-140	4		50
Dibenzo(a,h)anthracene	68		67		40-140	1		50
Indeno(1,2,3-cd)Pyrene	65		64		40-140	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305726

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599427-2 WG599427-3								
Pyrene	70		70		35-142	0		50
Biphenyl	56		69			21		50
4-Chloroaniline	**25**	Q	**29**	Q	40-140	15		50
2-Nitroaniline	69		68		47-134	1		50
3-Nitroaniline	38		44		26-129	15		50
4-Nitroaniline	60		62		41-125	3		50
Dibenzofuran	57		66		40-140	15		50
2-Methylnaphthalene	54		65		40-140	18		50
1,2,4,5-Tetrachlorobenzene	56		75		40-117	29		50
Acetophenone	51		67		14-144	27		50
2,4,6-Trichlorophenol	72		77		30-130	7		50
P-Chloro-M-Cresol	65		70		26-103	7		50
2-Chlorophenol	51		70		25-102	31		50
2,4-Dichlorophenol	60		74		30-130	21		50
2,4-Dimethylphenol	52		66		30-130	24		50
2-Nitrophenol	54		71		30-130	27		50
4-Nitrophenol	73		71		11-114	3		50
2,4-Dinitrophenol	39		40		4-130	3		50
4,6-Dinitro-o-cresol	47		46		10-130	2		50
Pentachlorophenol	74		72		17-109	3		50
Phenol	46		60		26-90	26		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305726

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599427-2 WG599427-3								
2-Methylphenol	51		65		30-130.	24		50
3-Methylphenol/4-Methylphenol	53		67		30-130	23		50
2,4,5-Trichlorophenol	76		74		30-130	3		50
Benzoic Acid	28		30			7		50
Benzyl Alcohol	50		63		40-140	23		50
Carbazole	68		67		54-128	1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		67		25-120
Phenol-d6	50		64		10-120
Nitrobenzene-d5	49		61		23-120
2-Fluorobiphenyl	60		68		30-120
2,4,6-Tribromophenol	83		82		0-136
4-Terphenyl-d14	73		71		18-120

PCBS

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305726

Report Date: 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/05/13 16:31
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 04/04/13 10:09
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/05/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/05/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG599477-1					
Aroclor 1016	ND		ug/kg	16.2	3.21
Aroclor 1221	ND		ug/kg	16.2	4.90
Aroclor 1232	ND		ug/kg	16.2	3.45
Aroclor 1242	ND		ug/kg	16.2	3.08
Aroclor 1248	ND		ug/kg	16.2	1.97
Aroclor 1254	ND		ug/kg	16.2	2.56
Aroclor 1260	ND		ug/kg	16.2	2.82

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	86		30-150
Decachlorobiphenyl	89		30-150
2,4,5,6-Tetrachloro-m-xylene	81		30-150
Decachlorobiphenyl	90		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305726

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG599477-2 WG599477-3								
Aroclor 1016	73		79		40-140	8		50
Aroclor 1260	76		83		40-140	9		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	64		69		30-150
Decachlorobiphenyl	75		78		30-150
2,4,5,6-Tetrachloro-m-xylene	65		70		30-150
Decachlorobiphenyl	75		77		30-150

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305726
Project Number: Not Specified
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305726-01
Client ID: P013015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 84%

Date Collected: 04/02/13 14:10
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	0.07	J	mg/kg	0.46	0.03	1	04/04/13 12:52	04/04/13 23:41	EPA 3050B	1,6010C	BM
Chromium, Total	7.7		mg/kg	0.46	0.09	1	04/04/13 12:52	04/04/13 23:41	EPA 3050B	1,6010C	BM

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305726
Project Number: Not Specified
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305726-02
Client ID: P012015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 88%

Date Collected: 04/02/13 14:20
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	3.3		mg/kg	0.45	0.03	1	04/04/13 12:52	04/04/13 23:50	EPA 3050B	1,6010C	BM
Chromium, Total	24		mg/kg	0.45	0.09	1	04/04/13 12:52	04/04/13 23:50	EPA 3050B	1,6010C	BM

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305726

Project Number: Not Specified **Report Date:** 04/18/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG599523-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Barium, Total	0.18	J	mg/kg	0.40	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Copper, Total	ND		mg/kg	0.40	0.20	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Lead, Total	0.55	J	mg/kg	2.0	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Selenium, Total	0.12	J	mg/kg	0.80	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Silver, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Zinc, Total	0.39	J	mg/kg	2.0	0.20	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG600659-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/10/13 11:33	04/10/13 14:16	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305726

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG599523-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Chromium, Total	97		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	98		-		80-120	-		
Nickel, Total	94		-		82-117	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	97		-		66-134	-		
Zinc, Total	100		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG600659-2 SRM Lot Number: 0518-10-02								
Mercury, Total	111		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305726
Report Date: 04/18/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599523-4 QC Sample: L1305720-01 Client ID: MS Sample												
Arsenic, Total	6.0	12.9	17	85		-	-		75-125	-		35
Barium, Total	200	214	370	79		-	-		75-125	-		35
Beryllium, Total	1.0	5.36	6.0	93		-	-		75-125	-		35
Cadmium, Total	13.	55	63	91		-	-		75-125	-		35
Chromium, Total	260	21.4	320	**280**	Q	-	-		75-125	-		35
Copper, Total	58.	26.8	86	104		-	-		75-125	-		35
Lead, Total	170	54.7	280	**201**	Q	-	-		75-125	-		35
Nickel, Total	37.	53.6	76	**73**	Q	-	-		75-125	-		35
Selenium, Total	1.0J	12.9	13	101		-	-		75-125	-		35
Silver, Total	0.20J	32.2	34	106		-	-		75-125	-		35
Zinc, Total	130	53.6	180	93		-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600659-4 QC Sample: L1305720-01 Client ID: MS Sample												
Mercury, Total	0.18	0.181	1.1	**507**	Q	-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305726
Report Date: 04/18/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599523-3 QC Sample: L1305720-01 Client ID: DUP Sample						
Barium, Total	200	150	mg/kg	29		35
Cadmium, Total	13.	11	mg/kg	17		35
Chromium, Total	260	160	mg/kg	**48**	Q	35
Copper, Total	58.	48	mg/kg	19		35
Lead, Total	170	140	mg/kg	19		35
Nickel, Total	37.	27	mg/kg	31		35
Selenium, Total	1.0J	1.1	mg/kg	NC		35
Zinc, Total	130	120	mg/kg	8		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600659-3 QC Sample: L1305720-01 Client ID: DUP Sample						
Mercury, Total	0.18	1.5	mg/kg	**157**	Q	35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305726
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305726-01
Client ID: P013015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/02/13 14:10
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.0		%	0.100	NA	1	-	04/04/13 18:56	30,2540G	RD

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305726
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305726-02
Client ID: P012015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/02/13 14:20
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.7		%	0.100	NA	1	-	04/04/13 18:56	30,2540G	RD

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305726
Report Date: 04/18/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599637-1 QC Sample: L1305720-01 Client ID: DUP Sample						
Solids, Total	71.4	70.0	%	2		20

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305726
Report Date: 04/18/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 04/04/2013 05:20

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305726-01A	Vial MeOH preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305726-01B	Vial water preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305726-01C	Vial water preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305726-01D	Plastic 2oz unpreserved for TS	A	N/A	3.1	Y	Absent	TS(7)
L1305726-01E	Amber 120ml unpreserved	A	N/A	3.1	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1305726-01F	Amber 250ml unpreserved	A	N/A	3.1	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1305726-02A	Vial MeOH preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305726-02B	Vial water preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305726-02C	Vial water preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305726-02D	Plastic 2oz unpreserved for TS	A	N/A	3.1	Y	Absent	TS(7)
L1305726-02E	Amber 120ml unpreserved	A	N/A	3.1	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305726
Report Date: 04/18/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305726-02F	Amber 250ml unpreserved	A	N/A	3.1	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305726
Project Number:	Not Specified	**Report Date:**	04/18/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305726
Project Number:	Not Specified	**Report Date:**	04/18/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305726
Project Number:	Not Specified	**Report Date:**	04/18/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

Serial_No:04181311:51

CHAIN OF COUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL — World Class Chemistry

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/4/13

ALPHA Job #: L1305726

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/10/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Detection limits to meet NYSDEC Part 375 Requirements (Unrestricted)
Find %Moisture of each aliquot and calculate average for use as %Moisture of associated composite sample

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs-See attached list	Hexavalent Chromium-Hold	Cyanide-Hold	Metals-See attached list-Hold	PCBs-Hold	SVOCs-See attached list-Hold	Sample Specific Comments	TOTAL # BOTTLES
05726-01	P013015	4/2	1410	S	[initials]	☒	☒	☒	☒	☒	☒		
-02	P012015	4/2	1420	S	[initials]	☒	☒	☒	☒	☒	☒		

Container Type: -
Preservative: -

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/3 1600	[signature]	4/3/13 1600
[signature]		[signature]	4/3/13 2204
[signature]	4/3/13 00:50	[signature]	4/4/13 0050

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 5-JAN-12)

ANALYTICAL REPORT

Lab Number:	L1305725
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/11/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305725
Report Date: 04/11/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305725-01	P017P018	GLENS FALLS NEW YORK	04/02/13 15:25

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305725
Project Number: Not Specified **Report Date:** 04/11/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305725
Project Number:	Not Specified	**Report Date:**	04/11/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 04/11/13

ORGANICS

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305725

Project Number: Not Specified **Report Date:** 04/11/13

SAMPLE RESULTS

Lab ID:	L1305725-01	Date Collected:	04/02/13 15:25
Client ID:	P017P018	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/04/13 07:47
Analytical Date:	04/08/13 21:20		
Analyst:	JB		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	47.	1
Dimethyl phthalate	ND		ug/kg	180	46.	1
Benzo(a)anthracene	ND		ug/kg	110	35.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	36.	1
Benzo(k)fluoranthene	ND		ug/kg	110	34.	1
Chrysene	ND		ug/kg	110	36.	1
Fluorene	ND		ug/kg	180	52.	1
Phenanthrene	ND		ug/kg	110	35.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	35.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	40.	1
2-Chlorophenol	ND		ug/kg	180	55.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	54.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	59.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	105		25-120
Phenol-d6	102		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	120		30-120
2,4,6-Tribromophenol	**164**	Q	0-136
4-Terphenyl-d14	**136**	Q	18-120

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305725
Report Date: 04/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/08/13 17:19
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 04/04/13 07:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG599427-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	49	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	49	17.
Benzo(k)fluoranthene	ND		ug/kg	49	16.
Chrysene	ND		ug/kg	49	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	49	16.
Dibenzo(a,h)anthracene	ND		ug/kg	49	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		25-120
Phenol-d6	33		10-120
Nitrobenzene-d5	35		23-120
2-Fluorobiphenyl	37		30-120
2,4,6-Tribromophenol	44		0-136
4-Terphenyl-d14	57		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305725

Report Date: 04/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599427-2 WG599427-3								
Acenaphthene	54		66		31-137	20		50
1,2,4-Trichlorobenzene	54		68		38-107	23		50
Hexachlorobenzene	75		77		40-140	3		50
Bis(2-chloroethyl)ether	43		59		40-140	31		50
2-Chloronaphthalene	60		72		40-140	18		50
1,2-Dichlorobenzene	49		65		40-140	28		50
1,3-Dichlorobenzene	46		64		40-140	33		50
1,4-Dichlorobenzene	47		63		28-104	29		50
3,3'-Dichlorobenzidine	56		60		40-140	7		50
2,4-Dinitrotoluene	66		66		28-89	0		50
2,6-Dinitrotoluene	71		69		40-140	3		50
Fluoranthene	70		70		40-140	0		50
4-Chlorophenyl phenyl ether	65		68		40-140	5		50
4-Bromophenyl phenyl ether	73		77		40-140	5		50
Bis(2-chloroisopropyl)ether	**33**	Q	44		40-140	29		50
Bis(2-chloroethoxy)methane	47		60		40-117	24		50
Hexachlorobutadiene	56		75		40-140	29		50
Hexachlorocyclopentadiene	**20**	Q	**22**	Q	40-140	10		50
Hexachloroethane	44		60		40-140	31		50
Isophorone	46		57		40-140	21		50
Naphthalene	48		64		40-140	29		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305725

Report Date: 04/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599427-2 WG599427-3								
Nitrobenzene	46		57		40-140	21		50
NitrosoDiPhenylAmine(NDPA)/DPA	67		69			3		50
n-Nitrosodi-n-propylamine	43		58		32-121	30		50
Bis(2-Ethylhexyl)phthalate	67		68		40-140	1		50
Butyl benzyl phthalate	66		63		40-140	5		50
Di-n-butylphthalate	67		65		40-140	3		50
Di-n-octylphthalate	63		66		40-140	5		50
Diethyl phthalate	67		68		40-140	1		50
Dimethyl phthalate	64		69		40-140	8		50
Benzo(a)anthracene	70		72		40-140	3		50
Benzo(a)pyrene	72		70		40-140	3		50
Benzo(b)fluoranthene	74		71		40-140	4		50
Benzo(k)fluoranthene	73		76		40-140	4		50
Chrysene	70		68		40-140	3		50
Acenaphthylene	59		67		40-140	13		50
Anthracene	67		67		40-140	0		50
Benzo(ghi)perylene	66		62		40-140	6		50
Fluorene	64		67		40-140	5		50
Phenanthrene	69		66		40-140	4		50
Dibenzo(a,h)anthracene	68		67		40-140	1		50
Indeno(1,2,3-cd)Pyrene	65		64		40-140	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305725

Report Date: 04/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599427-2 WG599427-3								
Pyrene	70		70		35-142	0		50
Biphenyl	56		69			21		50
4-Chloroaniline	**25**	Q	**29**	Q	40-140	15		50
2-Nitroaniline	69		68		47-134	1		50
3-Nitroaniline	38		44		26-129	15		50
4-Nitroaniline	60		62		41-125	3		50
Dibenzofuran	57		66		40-140	15		50
2-Methylnaphthalene	54		65		40-140	18		50
1,2,4,5-Tetrachlorobenzene	56		75		40-117	29		50
Acetophenone	51		67		14-144	27		50
2,4,6-Trichlorophenol	72		77		30-130	7		50
P-Chloro-M-Cresol	65		70		26-103	7		50
2-Chlorophenol	51		70		25-102	31		50
2,4-Dichlorophenol	60		74		30-130	21		50
2,4-Dimethylphenol	52		66		30-130	24		50
2-Nitrophenol	54		71		30-130	27		50
4-Nitrophenol	73		71		11-114	3		50
2,4-Dinitrophenol	39		40		4-130	3		50
4,6-Dinitro-o-cresol	47		46		10-130	2		50
Pentachlorophenol	74		72		17-109	3		50
Phenol	46		60		26-90	26		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305725

Report Date: 04/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599427-2 WG599427-3								
2-Methylphenol	51		65		30-130.	24		50
3-Methylphenol/4-Methylphenol	53		67		30-130	23		50
2,4,5-Trichlorophenol	76		74		30-130	3		50
Benzoic Acid	28		30			7		50
Benzyl Alcohol	50		63		40-140	23		50
Carbazole	68		67		54-128	1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		67		25-120
Phenol-d6	50		64		10-120
Nitrobenzene-d5	49		61		23-120
2-Fluorobiphenyl	60		68		30-120
2,4,6-Tribromophenol	83		82		0-136
4-Terphenyl-d14	73		71		18-120

PCBS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305725

Project Number: Not Specified **Report Date:** 04/11/13

SAMPLE RESULTS

Lab ID:	L1305725-01	Date Collected:	04/02/13 15:25
Client ID:	P017P018	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	04/05/13 08:33
Analytical Date:	04/05/13 15:30	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	04/05/13
Percent Solids:	91%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	04/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	34.9	6.90	1
Aroclor 1221	ND		ug/kg	34.9	10.5	1
Aroclor 1232	ND		ug/kg	34.9	7.42	1
Aroclor 1242	ND		ug/kg	34.9	6.63	1
Aroclor 1248	ND		ug/kg	34.9	4.23	1
Aroclor 1254	ND		ug/kg	34.9	5.51	1
Aroclor 1260	ND		ug/kg	34.9	6.06	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	86		30-150
Decachlorobiphenyl	96		30-150
2,4,5,6-Tetrachloro-m-xylene	87		30-150
Decachlorobiphenyl	108		30-150

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305725

Report Date: 04/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/05/13 16:31
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 04/04/13 10:09
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/05/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/05/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG599477-1					
Aroclor 1016	ND		ug/kg	16.2	3.21
Aroclor 1221	ND		ug/kg	16.2	4.90
Aroclor 1232	ND		ug/kg	16.2	3.45
Aroclor 1242	ND		ug/kg	16.2	3.08
Aroclor 1248	ND		ug/kg	16.2	1.97
Aroclor 1254	ND		ug/kg	16.2	2.56
Aroclor 1260	ND		ug/kg	16.2	2.82

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	86		30-150
Decachlorobiphenyl	89		30-150
2,4,5,6-Tetrachloro-m-xylene	81		30-150
Decachlorobiphenyl	90		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305725

Report Date: 04/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG599477-2 WG599477-3								
Aroclor 1016	73		79		40-140	8		50
Aroclor 1260	76		83		40-140	9		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	64		69		30-150
Decachlorobiphenyl	75		78		30-150
2,4,5,6-Tetrachloro-m-xylene	65		70		30-150
Decachlorobiphenyl	75		77		30-150

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305725
Project Number: Not Specified
Report Date: 04/11/13

SAMPLE RESULTS

Lab ID: L1305725-01
Client ID: P017P018
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 91%

Date Collected: 04/02/13 15:25
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	1.6		mg/kg	0.43	0.13	2	04/04/13 12:05	04/10/13 15:12	EPA 3050B	1,6010C	MS
Barium, Total	31		mg/kg	0.43	0.13	2	04/04/13 12:05	04/10/13 15:12	EPA 3050B	1,6010C	MS
Beryllium, Total	0.36		mg/kg	0.22	0.02	2	04/04/13 12:05	04/10/13 15:12	EPA 3050B	1,6010C	MS
Cadmium, Total	0.22	J	mg/kg	0.43	0.03	2	04/04/13 12:05	04/10/13 15:12	EPA 3050B	1,6010C	MS
Chromium, Total	37		mg/kg	0.43	0.09	2	04/04/13 12:05	04/10/13 15:12	EPA 3050B	1,6010C	MS
Copper, Total	7.5		mg/kg	0.43	0.22	2	04/04/13 12:05	04/10/13 15:12	EPA 3050B	1,6010C	MS
Lead, Total	21		mg/kg	2.2	0.13	2	04/04/13 12:05	04/10/13 15:12	EPA 3050B	1,6010C	MS
Mercury, Total	0.04	J	mg/kg	0.08	0.02	2	04/10/13 11:33	04/10/13 14:43	EPA 7471B	1,7471B	MC
Nickel, Total	5.9		mg/kg	1.1	0.17	2	04/04/13 12:05	04/10/13 15:12	EPA 3050B	1,6010C	MS
Selenium, Total	0.46	J	mg/kg	0.86	0.13	2	04/04/13 12:05	04/10/13 15:12	EPA 3050B	1,6010C	MS
Silver, Total	ND		mg/kg	0.43	0.09	2	04/04/13 12:05	04/10/13 15:12	EPA 3050B	1,6010C	MS
Zinc, Total	32		mg/kg	2.2	0.22	2	04/04/13 12:05	04/10/13 15:12	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305725

Project Number: Not Specified **Report Date:** 04/11/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG599523-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Barium, Total	0.18	J	mg/kg	0.40	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Copper, Total	ND		mg/kg	0.40	0.20	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Lead, Total	0.55	J	mg/kg	2.0	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Selenium, Total	0.12	J	mg/kg	0.80	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Silver, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Zinc, Total	0.39	J	mg/kg	2.0	0.20	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG600659-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/10/13 11:33	04/10/13 14:16	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305725

Report Date: 04/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG599523-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Chromium, Total	97		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	98		-		80-120	-		
Nickel, Total	94		-		82-117	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	97		-		66-134	-		
Zinc, Total	100		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG600659-2 SRM Lot Number: 0518-10-02								
Mercury, Total	111		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305725
Report Date: 04/11/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599523-4 QC Sample: L1305720-01 Client ID: MS Sample												
Arsenic, Total	6.0	12.9	17	85		-	-		75-125	-		35
Barium, Total	200	214	370	79		-	-		75-125	-		35
Beryllium, Total	1.0	5.36	6.0	93		-	-		75-125	-		35
Cadmium, Total	13.	55	63	91		-	-		75-125	-		35
Chromium, Total	260	21.4	320	**280**	Q	-	-		75-125	-		35
Copper, Total	58.	26.8	86	104		-	-		75-125	-		35
Lead, Total	170	54.7	280	**201**	Q	-	-		75-125	-		35
Nickel, Total	37.	53.6	76	**73**	Q	-	-		75-125	-		35
Selenium, Total	1.0J	12.9	13	101		-	-		75-125	-		35
Silver, Total	0.20J	32.2	34	106		-	-		75-125	-		35
Zinc, Total	130	53.6	180	93		-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600659-4 QC Sample: L1305720-01 Client ID: MS Sample												
Mercury, Total	0.18	0.181	1.1	**507**	Q	-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305725
Report Date: 04/11/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599523-3 QC Sample: L1305720-01 Client ID: DUP Sample						
Arsenic, Total	6.0	4.4	mg/kg	31		35
Barium, Total	200	150	mg/kg	29		35
Beryllium, Total	1.0	0.87	mg/kg	14		35
Cadmium, Total	13.	11	mg/kg	17		35
Chromium, Total	260	160	mg/kg	**48**	Q	35
Copper, Total	58.	48	mg/kg	19		35
Lead, Total	170	140	mg/kg	19		35
Nickel, Total	37.	27	mg/kg	31		35
Selenium, Total	1.0J	1.1	mg/kg	NC		35
Silver, Total	0.20J	ND	mg/kg	NC		35
Zinc, Total	130	120	mg/kg	8		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600659-3 QC Sample: L1305720-01 Client ID: DUP Sample						
Mercury, Total	0.18	1.5	mg/kg	**157**	Q	35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305725
Report Date: 04/11/13

SAMPLE RESULTS

Lab ID: L1305725-01
Client ID: P017P018
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Date Collected: 04/02/13 15:25
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.1		%	0.100	NA	1	-	04/04/13 18:56	30,2540G	RD
Cyanide, Total	ND		mg/kg	1.0	0.24	2	04/04/13 13:45	04/04/13 17:20	1,9010C/9012A	JO

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305725

Project Number: Not Specified **Report Date:** 04/11/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG599586-1										
Cyanide, Total	ND		mg/kg	0.90	0.21	1	04/04/13 13:45	04/04/13 17:04	1,9010C/9012A	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305725

Report Date: 04/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG599586-4 WG599586-5								
Cyanide, Total	94		106		80-120	12		35

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305725
Report Date: 04/11/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599586-3 WG599586-2 QC Sample: L1305685-01 Client ID: MS Sample												
Cyanide, Total	ND	12	12	100		12	100		65-135	0		35

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305725
Project Number:	Not Specified	**Report Date:**	04/11/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305725
Project Number:	Not Specified	**Report Date:**	04/11/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305725
Project Number:	Not Specified	**Report Date:**	04/11/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

ALPHA ANALYTICAL World Class Chemistry

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 4/4/13

ALPHA Job #: L1305725

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/10/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Extract/Digest Sample P017@15 and Sample P018@15.
Composite and analyze Extract/Digestate as Sample inidicated below.
Detection limits to meet NYSDEC Part 375 Requirements (0.5 x Unrestricted)
Use average of associated aliquot %Moisture for result calculations

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cyanide	Metals-See attached list (no Cr6+)	PCBs	SVOCs-See attached list									Sample Specific Comments	TOTAL # BOTTLES
05725-01	P017 P018	4/2	1525	S	[illegible]	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		

Container Type	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/3 1600	Kyle Cunningham [signature]	4/3/13 1600
Kyle Cunningham [signature]	4/3/13	[signature]	4/3/13 2204
[signature]	4/4/13 0050	[signature]	4/4/13 0050

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 5-JAN-12)

JOB: L1305724 REPORT STYLE: Data Usability Report
001: Cover & Signature Pages - OK
006: Narrative Page(s) - OK
010: Cover Page - OK
011: Volatiles Sample Results - OK
012: Volatiles Blank Report - OK
013: Volatiles LCS Report - OK
018: Cover Page - OK
020: Semivolatiles Blank Report - OK
021: Semivolatiles LCS Report - OK
070: Cover Page - OK
072: PCB Blank Report - OK
074: PCB LCS Report - OK
100: Metals Sample Results - OK
101: Metals Blank Report - OK
102: Metals LCS Report - OK
104: Metals Matrix Spike Report - OK
105: Metals Duplicate Report - OK
118: Cover Page - OK
120: Wet Chemistry Sample Results - OK
125: Wet Chemistry Duplicate Report - OK
510: Container Report - OK
520: Glossary - OK
540: Reference Report - OK

No results found for sample L1305724-01 for product AG-TI
No results found for sample L1305724-01 for product AS-TI
No results found for sample L1305724-01 for product BA-TI
No results found for sample L1305724-01 for product BE-TI
No results found for sample L1305724-01 for product CD-TI
No results found for sample L1305724-01 for product CU-TI
No results found for sample L1305724-01 for product HG-T
No results found for sample L1305724-01 for product NI-TI
No results found for sample L1305724-01 for product NYTCL-8082
No results found for sample L1305724-01 for product NYTCL-8270
No results found for sample L1305724-01 for product PB-TI
No results found for sample L1305724-01 for product SE-TI
No results found for sample L1305724-01 for product TCN-9010
No results found for sample L1305724-01 for product ZN-TI
No results found for sample L1305724-02 for product AG-TI
No results found for sample L1305724-02 for product AS-TI
No results found for sample L1305724-02 for product BA-TI
No results found for sample L1305724-02 for product BE-TI
No results found for sample L1305724-02 for product CD-TI

No results found for sample L1305724-02 for product CU-TI
No results found for sample L1305724-02 for product HG-T
No results found for sample L1305724-02 for product NI-TI
No results found for sample L1305724-02 for product NYTCL-8082
No results found for sample L1305724-02 for product NYTCL-8270
No results found for sample L1305724-02 for product PB-TI
No results found for sample L1305724-02 for product SE-TI
No results found for sample L1305724-02 for product TCN-9010
No results found for sample L1305724-02 for product ZN-TI

ANALYTICAL REPORT

Lab Number:	L1305724
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/18/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305724
Report Date: 04/18/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305724-01	P017015	GLENS FALLS NEW YORK	04/02/13 14:35
L1305724-02	P018015	GLENS FALLS NEW YORK	04/02/13 15:25

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305724
Project Number: Not Specified **Report Date:** 04/18/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305724
Project Number:	Not Specified	**Report Date:**	04/18/13

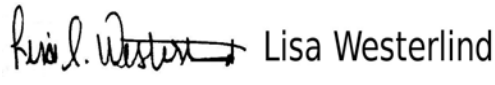
Case Narrative (continued)

Report Submission

This partial report replaces the report issued on April 11, 2013. At the client's request, the samples were analyzed for Total Chromium. A final report will be issued as soon as the results of all requested analyses become available.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Lisa Westerlind

Title: Technical Director/Representative Date: 04/18/13

ORGANICS

VOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305724

Project Number: Not Specified **Report Date:** 04/18/13

SAMPLE RESULTS

Lab ID:	L1305724-01	Date Collected:	04/02/13 14:35
Client ID:	P017015	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/06/13 21:59		
Analyst:	JC		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.5	0.37	1
Carbon tetrachloride	ND		ug/kg	0.99	0.21	1
Chlorobenzene	ND		ug/kg	0.99	0.34	1
1,2-Dichloroethane	ND		ug/kg	0.99	0.14	1
Benzene	ND		ug/kg	0.99	0.12	1
Toluene	0.38	J	ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	0.99	0.15	1
Chloromethane	ND		ug/kg	5.0	0.78	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	0.99	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	0.99	0.15	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305724

Project Number: Not Specified **Report Date:** 04/18/13

SAMPLE RESULTS

Lab ID:	L1305724-02	Date Collected:	04/02/13 15:25
Client ID:	P018015	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/06/13 22:26		
Analyst:	JC		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.4	0.35	1
Carbon tetrachloride	ND		ug/kg	0.94	0.20	1
Chlorobenzene	ND		ug/kg	0.94	0.32	1
1,2-Dichloroethane	ND		ug/kg	0.94	0.14	1
Benzene	ND		ug/kg	0.94	0.11	1
Toluene	0.34	J	ug/kg	1.4	0.10	1
Ethylbenzene	ND		ug/kg	0.94	0.14	1
Chloromethane	ND		ug/kg	4.7	0.73	1
Vinyl chloride	ND		ug/kg	1.9	0.13	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.94	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	4.7	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.7	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	4.7	0.23	1
cis-1,2-Dichloroethene	ND		ug/kg	0.94	0.14	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305724

Project Number: Not Specified **Report Date:** 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/13 14:14
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG600067-3					
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.23	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Vinyl chloride	ND		ug/kg	2.0	0.14
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305724
Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600067-1 WG600067-2								
Methylene chloride	117		109		70-130	7		30
1,1-Dichloroethane	108		97		70-130	11		30
Chloroform	105		96		70-130	9		30
Carbon tetrachloride	103		91		70-130	12		30
1,2-Dichloropropane	108		98		70-130	10		30
Dibromochloromethane	95		88		70-130	8		30
2-Chloroethylvinyl ether	106		99			7		30
1,1,2-Trichloroethane	95		91		70-130	4		30
Tetrachloroethene	94		84		70-130	11		30
Chlorobenzene	95		87		70-130	9		30
Trichlorofluoromethane	107		94		70-139	13		30
1,2-Dichloroethane	105		96		70-130	9		30
1,1,1-Trichloroethane	104		92		70-130	12		30
Bromodichloromethane	106		97		70-130	9		30
trans-1,3-Dichloropropene	94		88		70-130	7		30
cis-1,3-Dichloropropene	107		98		70-130	9		30
1,1-Dichloropropene	105		93		70-130	12		30
Bromoform	90		85		70-130	6		30
1,1,2,2-Tetrachloroethane	90		84		70-130	7		30
Benzene	108		97		70-130	11		30
Toluene	91		82		70-130	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305724

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600067-1 WG600067-2								
Ethylbenzene	94		85		70-130	10		30
Chloromethane	119		105		52-130	13		30
Bromomethane	123		104		57-147	17		30
Vinyl chloride	111		95		67-130	16		30
Chloroethane	110		98		50-151	12		30
1,1-Dichloroethene	109		96		65-135	13		30
trans-1,2-Dichloroethene	109		97		70-130	12		30
Trichloroethene	107		95		70-130	12		30
1,2-Dichlorobenzene	90		83		70-130	8		30
1,3-Dichlorobenzene	90		83		70-130	8		30
1,4-Dichlorobenzene	90		82		70-130	9		30
Methyl tert butyl ether	106		99		66-130	7		30
p/m-Xylene	95		86		70-130	10		30
o-Xylene	95		88		70-130	8		30
cis-1,2-Dichloroethene	108		99		70-130	9		30
Dibromomethane	108		100		70-130	8		30
Styrene	96		88		70-130	9		30
Dichlorodifluoromethane	112		97		30-146	14		30
Acetone	**159**	Q	130		54-140	20		30
Carbon disulfide	110		97		59-130	13		30
2-Butanone	123		117		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305724

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600067-1 WG600067-2								
Vinyl acetate	107		99		70-130	8		30
4-Methyl-2-pentanone	109		102		70-130	7		30
1,2,3-Trichloropropane	90		83		68-130	8		30
2-Hexanone	104		93		70-130	11		30
Bromochloromethane	109		103		70-130	6		30
2,2-Dichloropropane	105		93		70-130	12		30
1,2-Dibromoethane	95		91		70-130	4		30
1,3-Dichloropropane	94		89		69-130	5		30
1,1,1,2-Tetrachloroethane	96		88		70-130	9		30
Bromobenzene	90		83		70-130	8		30
n-Butylbenzene	89		79		70-130	12		30
sec-Butylbenzene	89		79		70-130	12		30
tert-Butylbenzene	89		80		70-130	11		30
o-Chlorotoluene	88		80		70-130	10		30
p-Chlorotoluene	90		81		70-130	11		30
1,2-Dibromo-3-chloropropane	80		89		68-130	11		30
Hexachlorobutadiene	89		79		67-130	12		30
Isopropylbenzene	94		84		70-130	11		30
p-Isopropyltoluene	89		79		70-130	12		30
Naphthalene	90		84		70-130	7		30
Acrylonitrile	111		105		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305724

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600067-1 WG600067-2								
Isopropyl Ether	107		99		66-130	8		30
tert-Butyl Alcohol	96		95		70-130	1		30
n-Propylbenzene	88		79		70-130	11		30
1,2,3-Trichlorobenzene	90		82		70-130	9		30
1,2,4-Trichlorobenzene	90		83		70-130	8		30
1,3,5-Trimethylbenzene	90		81		70-130	11		30
1,2,4-Trimethylbenzene	89		81		70-130	9		30
Methyl Acetate	108		101		70-130	7		30
Ethyl Acetate	112		104		70-130	7		30
Acrolein	**66**	Q	**62**	Q	70-130	6		30
Cyclohexane	107		94		70-130	13		30
1,4-Dioxane	126		121		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	110		96		70-130	14		30
1,4-Diethylbenzene	108		96		70-130	12		30
4-Ethyltoluene	108		96		70-130	12		30
1,2,4,5-Tetramethylbenzene	108		97		70-130	11		30
Tetrahydrofuran	105		97		66-130	8		30
Ethyl ether	104		98		67-130	6		30
trans-1,4-Dichloro-2-butene	88		83		70-130	6		30
Methyl cyclohexane	107		94		70-130	13		30
Ethyl-Tert-Butyl-Ether	106		99		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305724

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600067-1 WG600067-2								
Tertiary-Amyl Methyl Ether	107		98		70-130	9		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		94		70-130
Toluene-d8	93		93		70-130
4-Bromofluorobenzene	97		96		70-130
Dibromofluoromethane	101		99		70-130

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305724
Report Date: 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/08/13 17:19
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 04/04/13 07:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG599427-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	49	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	49	17.
Benzo(k)fluoranthene	ND		ug/kg	49	16.
Chrysene	ND		ug/kg	49	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	49	16.
Dibenzo(a,h)anthracene	ND		ug/kg	49	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		25-120
Phenol-d6	33		10-120
Nitrobenzene-d5	35		23-120
2-Fluorobiphenyl	37		30-120
2,4,6-Tribromophenol	44		0-136
4-Terphenyl-d14	57		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305724

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599427-2 WG599427-3								
Acenaphthene	54		66		31-137	20		50
1,2,4-Trichlorobenzene	54		68		38-107	23		50
Hexachlorobenzene	75		77		40-140	3		50
Bis(2-chloroethyl)ether	43		59		40-140	31		50
2-Chloronaphthalene	60		72		40-140	18		50
1,2-Dichlorobenzene	49		65		40-140	28		50
1,3-Dichlorobenzene	46		64		40-140	33		50
1,4-Dichlorobenzene	47		63		28-104	29		50
3,3'-Dichlorobenzidine	56		60		40-140	7		50
2,4-Dinitrotoluene	66		66		28-89	0		50
2,6-Dinitrotoluene	71		69		40-140	3		50
Fluoranthene	70		70		40-140	0		50
4-Chlorophenyl phenyl ether	65		68		40-140	5		50
4-Bromophenyl phenyl ether	73		77		40-140	5		50
Bis(2-chloroisopropyl)ether	**33**	Q	44		40-140	29		50
Bis(2-chloroethoxy)methane	47		60		40-117	24		50
Hexachlorobutadiene	56		75		40-140	29		50
Hexachlorocyclopentadiene	**20**	Q	**22**	Q	40-140	10		50
Hexachloroethane	44		60		40-140	31		50
Isophorone	46		57		40-140	21		50
Naphthalene	48		64		40-140	29		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305724
Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599427-2 WG599427-3								
Nitrobenzene	46		57		40-140	21		50
NitrosoDiPhenylAmine(NDPA)/DPA	67		69			3		50
n-Nitrosodi-n-propylamine	43		58		32-121	30		50
Bis(2-Ethylhexyl)phthalate	67		68		40-140	1		50
Butyl benzyl phthalate	66		63		40-140	5		50
Di-n-butylphthalate	67		65		40-140	3		50
Di-n-octylphthalate	63		66		40-140	5		50
Diethyl phthalate	67		68		40-140	1		50
Dimethyl phthalate	64		69		40-140	8		50
Benzo(a)anthracene	70		72		40-140	3		50
Benzo(a)pyrene	72		70		40-140	3		50
Benzo(b)fluoranthene	74		71		40-140	4		50
Benzo(k)fluoranthene	73		76		40-140	4		50
Chrysene	70		68		40-140	3		50
Acenaphthylene	59		67		40-140	13		50
Anthracene	67		67		40-140	0		50
Benzo(ghi)perylene	66		62		40-140	6		50
Fluorene	64		67		40-140	5		50
Phenanthrene	69		66		40-140	4		50
Dibenzo(a,h)anthracene	68		67		40-140	1		50
Indeno(1,2,3-cd)Pyrene	65		64		40-140	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305724

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599427-2 WG599427-3								
Pyrene	70		70		35-142	0		50
Biphenyl	56		69			21		50
4-Chloroaniline	**25**	Q	**29**	Q	40-140	15		50
2-Nitroaniline	69		68		47-134	1		50
3-Nitroaniline	38		44		26-129	15		50
4-Nitroaniline	60		62		41-125	3		50
Dibenzofuran	57		66		40-140	15		50
2-Methylnaphthalene	54		65		40-140	18		50
1,2,4,5-Tetrachlorobenzene	56		75		40-117	29		50
Acetophenone	51		67		14-144	27		50
2,4,6-Trichlorophenol	72		77		30-130	7		50
P-Chloro-M-Cresol	65		70		26-103	7		50
2-Chlorophenol	51		70		25-102	31		50
2,4-Dichlorophenol	60		74		30-130	21		50
2,4-Dimethylphenol	52		66		30-130	24		50
2-Nitrophenol	54		71		30-130	27		50
4-Nitrophenol	73		71		11-114	3		50
2,4-Dinitrophenol	39		40		4-130	3		50
4,6-Dinitro-o-cresol	47		46		10-130	2		50
Pentachlorophenol	74		72		17-109	3		50
Phenol	46		60		26-90	26		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305724

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599427-2 WG599427-3								
2-Methylphenol	51		65		30-130.	24		50
3-Methylphenol/4-Methylphenol	53		67		30-130	23		50
2,4,5-Trichlorophenol	76		74		30-130	3		50
Benzoic Acid	28		30			7		50
Benzyl Alcohol	50		63		40-140	23		50
Carbazole	68		67		54-128	1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		67		25-120
Phenol-d6	50		64		10-120
Nitrobenzene-d5	49		61		23-120
2-Fluorobiphenyl	60		68		30-120
2,4,6-Tribromophenol	83		82		0-136
4-Terphenyl-d14	73		71		18-120

PCBS

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305724

Report Date: 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/05/13 16:31
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 04/04/13 10:09
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/05/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/05/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG599477-1					
Aroclor 1016	ND		ug/kg	16.2	3.21
Aroclor 1221	ND		ug/kg	16.2	4.90
Aroclor 1232	ND		ug/kg	16.2	3.45
Aroclor 1242	ND		ug/kg	16.2	3.08
Aroclor 1248	ND		ug/kg	16.2	1.97
Aroclor 1254	ND		ug/kg	16.2	2.56
Aroclor 1260	ND		ug/kg	16.2	2.82

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	86		30-150
Decachlorobiphenyl	89		30-150
2,4,5,6-Tetrachloro-m-xylene	81		30-150
Decachlorobiphenyl	90		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305724

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG599477-2 WG599477-3								
Aroclor 1016	73		79		40-140	8		50
Aroclor 1260	76		83		40-140	9		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	64		69		30-150
Decachlorobiphenyl	75		78		30-150
2,4,5,6-Tetrachloro-m-xylene	65		70		30-150
Decachlorobiphenyl	75		77		30-150

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305724
Project Number: Not Specified
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305724-01
Client ID: P017015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 92%

Date Collected: 04/02/13 14:35
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	18		mg/kg	0.43	0.09	1	04/04/13 12:52	04/04/13 23:35	EPA 3050B	1,6010C	BM

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305724
Project Number: Not Specified
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305724-02
Client ID: P018015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 91%

Date Collected: 04/02/13 15:25
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	52		mg/kg	0.42	0.09	1	04/04/13 12:52	04/04/13 23:38	EPA 3050B	1,6010C	BM

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305724

Project Number: Not Specified **Report Date:** 04/18/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG599523-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Barium, Total	0.18	J	mg/kg	0.40	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Copper, Total	ND		mg/kg	0.40	0.20	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Lead, Total	0.55	J	mg/kg	2.0	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Selenium, Total	0.12	J	mg/kg	0.80	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Silver, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Zinc, Total	0.39	J	mg/kg	2.0	0.20	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG600659-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/10/13 11:33	04/10/13 14:16	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305724

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG599523-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Chromium, Total	97		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	98		-		80-120	-		
Nickel, Total	94		-		82-117	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	97		-		66-134	-		
Zinc, Total	100		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG600659-2 SRM Lot Number: 0518-10-02								
Mercury, Total	111		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305724
Report Date: 04/18/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599523-4 QC Sample: L1305720-01 Client ID: MS Sample												
Arsenic, Total	6.0	12.9	17	85		-	-		75-125	-		35
Barium, Total	200	214	370	79		-	-		75-125	-		35
Beryllium, Total	1.0	5.36	6.0	93		-	-		75-125	-		35
Cadmium, Total	13.	55	63	91		-	-		75-125	-		35
Chromium, Total	260	21.4	320	**280**	Q	-	-		75-125	-		35
Copper, Total	58.	26.8	86	104		-	-		75-125	-		35
Lead, Total	170	54.7	280	**201**	Q	-	-		75-125	-		35
Nickel, Total	37.	53.6	76	**73**	Q	-	-		75-125	-		35
Selenium, Total	1.0J	12.9	13	101		-	-		75-125	-		35
Silver, Total	0.20J	32.2	34	106		-	-		75-125	-		35
Zinc, Total	130	53.6	180	93		-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600659-4 QC Sample: L1305720-01 Client ID: MS Sample												
Mercury, Total	0.18	0.181	1.1	**507**	Q	-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305724
Report Date: 04/18/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599523-3 QC Sample: L1305720-01 Client ID: DUP Sample						
Barium, Total	200	150	mg/kg	29		35
Cadmium, Total	13.	11	mg/kg	17		35
Chromium, Total	260	160	mg/kg	**48**	Q	35
Copper, Total	58.	48	mg/kg	19		35
Lead, Total	170	140	mg/kg	19		35
Nickel, Total	37.	27	mg/kg	31		35
Selenium, Total	1.0J	1.1	mg/kg	NC		35
Zinc, Total	130	120	mg/kg	8		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600659-3 QC Sample: L1305720-01 Client ID: DUP Sample						
Mercury, Total	0.18	1.5	mg/kg	**157**	Q	35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305724
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305724-01
Client ID: P017015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/02/13 14:35
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.7		%	0.100	NA	1	-	04/04/13 18:56	30,2540G	RD

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305724
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305724-02
Client ID: P018015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/02/13 15:25
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.6		%	0.100	NA	1	-	04/04/13 18:56	30,2540G	RD

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305724
Report Date: 04/18/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599637-1 QC Sample: L1305720-01 Client ID: DUP Sample						
Solids, Total	71.4	70.0	%	2		20

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305724
Report Date: 04/18/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 04/04/2013 05:20

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305724-01A	Vial MeOH preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305724-01B	Vial water preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305724-01C	Vial water preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305724-01D	Plastic 2oz unpreserved for TS	A	N/A	3.1	Y	Absent	TS(7)
L1305724-01E	Amber 120ml unpreserved	A	N/A	3.1	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1305724-01F	Amber 250ml unpreserved	A	N/A	3.1	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1305724-02A	Vial MeOH preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305724-02B	Vial water preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305724-02C	Vial water preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305724-02D	Plastic 2oz unpreserved for TS	A	N/A	3.1	Y	Absent	TS(7)
L1305724-02E	Amber 120ml unpreserved	A	N/A	3.1	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305724
Report Date: 04/18/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305724-02F	Amber 250ml unpreserved	A	N/A	3.1	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305724
Project Number:	Not Specified	**Report Date:**	04/18/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305724
Project Number:	Not Specified	**Report Date:**	04/18/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305724
Project Number:	Not Specified	**Report Date:**	04/18/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
World Class Chemistry

Date Rec'd in Lab: 4/4/13

ALPHA Job #: L1305724

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193

Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/10/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Detection limits to meet NYSDEC Part 375 Requirements (Unrestricted)
Find %Moisture of each aliquot and calculate average for use as %Moisture of associated composite sample

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs-See attached list	Hexavalent Chromium-Hold	Cyanide-Hold	Metals-See attached list-Hold	PCBs-Hold	SVOCs-See atached list-Hold							Sample Specific Comments	TOTAL # BOTTLES
05724-01	F017015	4/2	1435	S	[signature]	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		
-02	F018015	4/2	1525	S	[signature]	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		

Container Type	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/3 1600	K. [signature]	4/3/13 1600
Kyle [signature]		T. [signature]	4/3/13 2304
T. [signature]	4/3/13 00:50	[signature]	4/4/13 0050

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ)
(rev. 5-JAN-12)

ANALYTICAL REPORT

Lab Number:	L1305723
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/10/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305723
Report Date: 04/10/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305723-01	P015P016	GLENS FALLS NEW YORK	04/02/13 15:40

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305723
Project Number: Not Specified **Report Date:** 04/10/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305723
Project Number:	Not Specified	**Report Date:**	04/10/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 04/10/13

ORGANICS

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305723

Project Number: Not Specified **Report Date:** 04/10/13

SAMPLE RESULTS

Lab ID:	L1305723-01	Date Collected:	04/02/13 15:40
Client ID:	P015P016	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/04/13 07:47
Analytical Date:	04/08/13 19:07		
Analyst:	JB		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	47.	1
Dimethyl phthalate	ND		ug/kg	180	46.	1
Benzo(a)anthracene	ND		ug/kg	110	35.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	36.	1
Benzo(k)fluoranthene	ND		ug/kg	110	34.	1
Chrysene	ND		ug/kg	110	36.	1
Fluorene	ND		ug/kg	180	52.	1
Phenanthrene	ND		ug/kg	110	35.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	35.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	40.	1
2-Chlorophenol	ND		ug/kg	180	55.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	54.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	59.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	95		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	97		30-120
2,4,6-Tribromophenol	129		0-136
4-Terphenyl-d14	**126**	Q	18-120

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305723
Report Date: 04/10/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/08/13 17:19
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 04/04/13 07:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG599427-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	49	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	49	17.
Benzo(k)fluoranthene	ND		ug/kg	49	16.
Chrysene	ND		ug/kg	49	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	49	16.
Dibenzo(a,h)anthracene	ND		ug/kg	49	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		25-120
Phenol-d6	33		10-120
Nitrobenzene-d5	35		23-120
2-Fluorobiphenyl	37		30-120
2,4,6-Tribromophenol	44		0-136
4-Terphenyl-d14	57		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305723

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599427-2 WG599427-3								
Acenaphthene	54		66		31-137	20		50
1,2,4-Trichlorobenzene	54		68		38-107	23		50
Hexachlorobenzene	75		77		40-140	3		50
Bis(2-chloroethyl)ether	43		59		40-140	31		50
2-Chloronaphthalene	60		72		40-140	18		50
1,2-Dichlorobenzene	49		65		40-140	28		50
1,3-Dichlorobenzene	46		64		40-140	33		50
1,4-Dichlorobenzene	47		63		28-104	29		50
3,3'-Dichlorobenzidine	56		60		40-140	7		50
2,4-Dinitrotoluene	66		66		28-89	0		50
2,6-Dinitrotoluene	71		69		40-140	3		50
Fluoranthene	70		70		40-140	0		50
4-Chlorophenyl phenyl ether	65		68		40-140	5		50
4-Bromophenyl phenyl ether	73		77		40-140	5		50
Bis(2-chloroisopropyl)ether	**33**	Q	44		40-140	29		50
Bis(2-chloroethoxy)methane	47		60		40-117	24		50
Hexachlorobutadiene	56		75		40-140	29		50
Hexachlorocyclopentadiene	**20**	Q	**22**	Q	40-140	10		50
Hexachloroethane	44		60		40-140	31		50
Isophorone	46		57		40-140	21		50
Naphthalene	48		64		40-140	29		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305723

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599427-2 WG599427-3								
Nitrobenzene	46		57		40-140	21		50
NitrosoDiPhenylAmine(NDPA)/DPA	67		69			3		50
n-Nitrosodi-n-propylamine	43		58		32-121	30		50
Bis(2-Ethylhexyl)phthalate	67		68		40-140	1		50
Butyl benzyl phthalate	66		63		40-140	5		50
Di-n-butylphthalate	67		65		40-140	3		50
Di-n-octylphthalate	63		66		40-140	5		50
Diethyl phthalate	67		68		40-140	1		50
Dimethyl phthalate	64		69		40-140	8		50
Benzo(a)anthracene	70		72		40-140	3		50
Benzo(a)pyrene	72		70		40-140	3		50
Benzo(b)fluoranthene	74		71		40-140	4		50
Benzo(k)fluoranthene	73		76		40-140	4		50
Chrysene	70		68		40-140	3		50
Acenaphthylene	59		67		40-140	13		50
Anthracene	67		67		40-140	0		50
Benzo(ghi)perylene	66		62		40-140	6		50
Fluorene	64		67		40-140	5		50
Phenanthrene	69		66		40-140	4		50
Dibenzo(a,h)anthracene	68		67		40-140	1		50
Indeno(1,2,3-cd)Pyrene	65		64		40-140	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305723
Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599427-2 WG599427-3								
Pyrene	70		70		35-142	0		50
Biphenyl	56		69			21		50
4-Chloroaniline	**25**	Q	**29**	Q	40-140	15		50
2-Nitroaniline	69		68		47-134	1		50
3-Nitroaniline	38		44		26-129	15		50
4-Nitroaniline	60		62		41-125	3		50
Dibenzofuran	57		66		40-140	15		50
2-Methylnaphthalene	54		65		40-140	18		50
1,2,4,5-Tetrachlorobenzene	56		75		40-117	29		50
Acetophenone	51		67		14-144	27		50
2,4,6-Trichlorophenol	72		77		30-130	7		50
P-Chloro-M-Cresol	65		70		26-103	7		50
2-Chlorophenol	51		70		25-102	31		50
2,4-Dichlorophenol	60		74		30-130	21		50
2,4-Dimethylphenol	52		66		30-130	24		50
2-Nitrophenol	54		71		30-130	27		50
4-Nitrophenol	73		71		11-114	3		50
2,4-Dinitrophenol	39		40		4-130	3		50
4,6-Dinitro-o-cresol	47		46		10-130	2		50
Pentachlorophenol	74		72		17-109	3		50
Phenol	46		60		26-90	26		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305723

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599427-2 WG599427-3								
2-Methylphenol	51		65		30-130.	24		50
3-Methylphenol/4-Methylphenol	53		67		30-130	23		50
2,4,5-Trichlorophenol	76		74		30-130	3		50
Benzoic Acid	28		30			7		50
Benzyl Alcohol	50		63		40-140	23		50
Carbazole	68		67		54-128	1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		67		25-120
Phenol-d6	50		64		10-120
Nitrobenzene-d5	49		61		23-120
2-Fluorobiphenyl	60		68		30-120
2,4,6-Tribromophenol	83		82		0-136
4-Terphenyl-d14	73		71		18-120

PCBS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305723

Project Number: Not Specified **Report Date:** 04/10/13

SAMPLE RESULTS

Lab ID:	L1305723-01	Date Collected:	04/02/13 15:40
Client ID:	P015P016	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	04/05/13 08:33
Analytical Date:	04/05/13 15:17	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	04/05/13
Percent Solids:	91%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	04/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	35.7	7.06	1
Aroclor 1221	ND		ug/kg	35.7	10.8	1
Aroclor 1232	ND		ug/kg	35.7	7.59	1
Aroclor 1242	ND		ug/kg	35.7	6.78	1
Aroclor 1248	ND		ug/kg	35.7	4.32	1
Aroclor 1254	ND		ug/kg	35.7	5.63	1
Aroclor 1260	ND		ug/kg	35.7	6.20	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	108		30-150
Decachlorobiphenyl	118		30-150
2,4,5,6-Tetrachloro-m-xylene	111		30-150
Decachlorobiphenyl	134		30-150

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305723

Report Date: 04/10/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/05/13 16:31
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 04/04/13 10:09
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/05/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/05/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG599477-1					
Aroclor 1016	ND		ug/kg	16.2	3.21
Aroclor 1221	ND		ug/kg	16.2	4.90
Aroclor 1232	ND		ug/kg	16.2	3.45
Aroclor 1242	ND		ug/kg	16.2	3.08
Aroclor 1248	ND		ug/kg	16.2	1.97
Aroclor 1254	ND		ug/kg	16.2	2.56
Aroclor 1260	ND		ug/kg	16.2	2.82

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	86		30-150
Decachlorobiphenyl	89		30-150
2,4,5,6-Tetrachloro-m-xylene	81		30-150
Decachlorobiphenyl	90		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305723

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG599477-2 WG599477-3								
Aroclor 1016	73		79		40-140	8		50
Aroclor 1260	76		83		40-140	9		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	64		69		30-150
Decachlorobiphenyl	75		78		30-150
2,4,5,6-Tetrachloro-m-xylene	65		70		30-150
Decachlorobiphenyl	75		77		30-150

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305723
Project Number: Not Specified
Report Date: 04/10/13

SAMPLE RESULTS

Lab ID: L1305723-01
Client ID: P015P016
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 91%

Date Collected: 04/02/13 15:40
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	1.3		mg/kg	0.43	0.13	2	04/04/13 12:05	04/10/13 15:09	EPA 3050B	1,6010C	MS
Barium, Total	24		mg/kg	0.43	0.13	2	04/04/13 12:05	04/10/13 15:09	EPA 3050B	1,6010C	MS
Beryllium, Total	0.38		mg/kg	0.21	0.02	2	04/04/13 12:05	04/10/13 15:09	EPA 3050B	1,6010C	MS
Cadmium, Total	0.06	J	mg/kg	0.43	0.03	2	04/04/13 12:05	04/10/13 15:09	EPA 3050B	1,6010C	MS
Chromium, Total	10		mg/kg	0.43	0.09	2	04/04/13 12:05	04/10/13 15:09	EPA 3050B	1,6010C	MS
Copper, Total	5.2		mg/kg	0.43	0.21	2	04/04/13 12:05	04/10/13 15:09	EPA 3050B	1,6010C	MS
Lead, Total	6.6		mg/kg	2.1	0.13	2	04/04/13 12:05	04/10/13 15:09	EPA 3050B	1,6010C	MS
Mercury, Total	0.11		mg/kg	0.08	0.02	2	04/10/13 11:33	04/10/13 14:38	EPA 7471B	1,7471B	MC
Nickel, Total	6.1		mg/kg	1.1	0.17	2	04/04/13 12:05	04/10/13 15:09	EPA 3050B	1,6010C	MS
Selenium, Total	0.58	J	mg/kg	0.86	0.13	2	04/04/13 12:05	04/10/13 15:09	EPA 3050B	1,6010C	MS
Silver, Total	ND		mg/kg	0.43	0.09	2	04/04/13 12:05	04/10/13 15:09	EPA 3050B	1,6010C	MS
Zinc, Total	30		mg/kg	2.1	0.21	2	04/04/13 12:05	04/10/13 15:09	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305723

Project Number: Not Specified **Report Date:** 04/10/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG599523-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Barium, Total	0.18	J	mg/kg	0.40	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Copper, Total	ND		mg/kg	0.40	0.20	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Lead, Total	0.55	J	mg/kg	2.0	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Selenium, Total	0.12	J	mg/kg	0.80	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Silver, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Zinc, Total	0.39	J	mg/kg	2.0	0.20	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG600659-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/10/13 11:33	04/10/13 14:16	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305723

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG599523-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Chromium, Total	97		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	98		-		80-120	-		
Nickel, Total	94		-		82-117	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	97		-		66-134	-		
Zinc, Total	100		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG600659-2 SRM Lot Number: 0518-10-02								
Mercury, Total	111		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305723
Report Date: 04/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599523-4 QC Sample: L1305720-01 Client ID: MS Sample												
Arsenic, Total	6.0	12.9	17	85		-	-		75-125	-		35
Barium, Total	200	214	370	79		-	-		75-125	-		35
Beryllium, Total	1.0	5.36	6.0	93		-	-		75-125	-		35
Cadmium, Total	13.	55	63	91		-	-		75-125	-		35
Chromium, Total	260	21.4	320	**280**	Q	-	-		75-125	-		35
Copper, Total	58.	26.8	86	104		-	-		75-125	-		35
Lead, Total	170	54.7	280	**201**	Q	-	-		75-125	-		35
Nickel, Total	37.	53.6	76	**73**	Q	-	-		75-125	-		35
Selenium, Total	1.0J	12.9	13	101		-	-		75-125	-		35
Silver, Total	0.20J	32.2	34	106		-	-		75-125	-		35
Zinc, Total	130	53.6	180	93		-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600659-4 QC Sample: L1305720-01 Client ID: MS Sample												
Mercury, Total	0.18	0.181	1.1	**507**	Q	-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305723
Report Date: 04/10/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599523-3 QC Sample: L1305720-01 Client ID: DUP Sample						
Arsenic, Total	6.0	4.4	mg/kg	31		35
Barium, Total	200	150	mg/kg	29		35
Beryllium, Total	1.0	0.87	mg/kg	14		35
Cadmium, Total	13.	11	mg/kg	17		35
Chromium, Total	260	160	mg/kg	**48**	Q	35
Copper, Total	58.	48	mg/kg	19		35
Lead, Total	170	140	mg/kg	19		35
Nickel, Total	37.	27	mg/kg	31		35
Selenium, Total	1.0J	1.1	mg/kg	NC		35
Silver, Total	0.20J	ND	mg/kg	NC		35
Zinc, Total	130	120	mg/kg	8		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600659-3 QC Sample: L1305720-01 Client ID: DUP Sample						
Mercury, Total	0.18	1.5	mg/kg	**157**	Q	35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305723
Report Date: 04/10/13

SAMPLE RESULTS

Lab ID: L1305723-01
Client ID: P015P016
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Date Collected: 04/02/13 15:40
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.9		%	0.100	NA	1	-	04/04/13 18:56	30,2540G	RD
Cyanide, Total	ND		mg/kg	1.0	0.24	2	04/04/13 13:45	04/04/13 17:17	1,9010C/9012A	JO

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305723

Project Number: Not Specified **Report Date:** 04/10/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG599586-1										
Cyanide, Total	ND		mg/kg	0.90	0.21	1	04/04/13 13:45	04/04/13 17:04	1,9010C/9012A	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305723

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG599586-4 WG599586-5								
Cyanide, Total	94		106		80-120	12		35

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305723
Report Date: 04/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599586-3 WG599586-2 QC Sample: L1305685-01 Client ID: MS Sample												
Cyanide, Total	ND	12	12	100		12	100		65-135	0		35

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305723
Project Number:	Not Specified	**Report Date:**	04/10/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305723
Project Number:	Not Specified	**Report Date:**	04/10/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305723
Project Number:	Not Specified	**Report Date:**	04/10/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
World Class Chemistry

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab: 4/4/13

ALPHA Job #: L1305723

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/10/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Extract/Digest Sample P015015 and Sample P016015.
Composite and analyze Extract/Digestate as Sample inidicated below.
Detection limits to meet NYSDEC Part 375 Requirements (0.5 x Unrestricted)
Use average of associated aliquot %Moisture for result calculations

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cyanide	Metals-See attached list (no Cr6+)	PCBs	SVOCs-See attached list									Sample Specific Comments	TOTAL # BOTTLES
05723-01	P015 P016	4/2	1540	S	[signature]	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
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						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
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						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
					Container Type	-	-	-	-	-	-	-	-	-	-	-	-		
					Preservative	-	-	-	-	-	-	-	-	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/3 1600	Kyle Cunningham	4/3/13 1600
Kyle Cunningham		[signature]	4/3/13 2304
[signature]	4/3/13 0050	[signature]	4/4/13 0050

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ)
(rev. 5-JAN-12)

JOB: L1305722 REPORT STYLE: Data Usability Report
001: Cover & Signature Pages - OK
006: Narrative Page(s) - OK
010: Cover Page - OK
011: Volatiles Sample Results - OK
012: Volatiles Blank Report - OK
013: Volatiles LCS Report - OK
018: Cover Page - OK
020: Semivolatiles Blank Report - OK
021: Semivolatiles LCS Report - OK
070: Cover Page - OK
072: PCB Blank Report - OK
074: PCB LCS Report - OK
100: Metals Sample Results - OK
101: Metals Blank Report - OK
102: Metals LCS Report - OK
104: Metals Matrix Spike Report - OK
105: Metals Duplicate Report - OK
118: Cover Page - OK
120: Wet Chemistry Sample Results - OK
125: Wet Chemistry Duplicate Report - OK
510: Container Report - OK
520: Glossary - OK
540: Reference Report - OK

No results found for sample L1305722-01 for product AG-TI
No results found for sample L1305722-01 for product AS-TI
No results found for sample L1305722-01 for product BA-TI
No results found for sample L1305722-01 for product BE-TI
No results found for sample L1305722-01 for product CD-TI
No results found for sample L1305722-01 for product CU-TI
No results found for sample L1305722-01 for product NI-TI
No results found for sample L1305722-01 for product NYTCL-8082
No results found for sample L1305722-01 for product NYTCL-8270
No results found for sample L1305722-01 for product PB-TI
No results found for sample L1305722-01 for product SE-TI
No results found for sample L1305722-01 for product TCN-9010
No results found for sample L1305722-01 for product ZN-TI
No results found for sample L1305722-02 for product AG-TI
No results found for sample L1305722-02 for product AS-TI
No results found for sample L1305722-02 for product BA-TI
No results found for sample L1305722-02 for product BE-TI
No results found for sample L1305722-02 for product CD-TI
No results found for sample L1305722-02 for product CU-TI

No results found for sample L1305722-02 for product NI-TI
No results found for sample L1305722-02 for product NYTCL-8082
No results found for sample L1305722-02 for product NYTCL-8270
No results found for sample L1305722-02 for product PB-TI
No results found for sample L1305722-02 for product SE-TI
No results found for sample L1305722-02 for product TCN-9010
No results found for sample L1305722-02 for product ZN-TI

ANALYTICAL REPORT

Lab Number:	L1305722
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/18/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305722
Report Date: 04/18/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305722-01	P015015	GLENS FALLS NEW YORK	04/02/13 15:40
L1305722-02	P016015	GLENS FALLS NEW YORK	04/02/13 15:10

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305722
Project Number: Not Specified **Report Date:** 04/18/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305722
Project Number:	Not Specified	**Report Date:**	04/18/13

Case Narrative (continued)

Report Submission

This partial report replaces the report issued on April 11, 2013. At the client's request, the samples were analyzed for Total Chromium and Mercury. A final report will be issued as soon as the results of all requested analyses become available.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 04/18/13

ORGANICS

VOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305722

Project Number: Not Specified **Report Date:** 04/18/13

SAMPLE RESULTS

Lab ID:	L1305722-01	Date Collected:	04/02/13 15:40
Client ID:	P015015	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/06/13 21:04		
Analyst:	JC		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	0.40	J	ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.4	0.86	1
Vinyl chloride	ND		ug/kg	2.2	0.15	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	97		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305722

Project Number: Not Specified **Report Date:** 04/18/13

SAMPLE RESULTS

Lab ID:	L1305722-02	Date Collected:	04/02/13 15:10
Client ID:	P016015	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/06/13 21:32		
Analyst:	JC		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.4	0.35	1
Carbon tetrachloride	ND		ug/kg	0.94	0.20	1
Chlorobenzene	ND		ug/kg	0.94	0.33	1
1,2-Dichloroethane	ND		ug/kg	0.94	0.14	1
Benzene	ND		ug/kg	0.94	0.11	1
Toluene	0.34	J	ug/kg	1.4	0.10	1
Ethylbenzene	ND		ug/kg	0.94	0.14	1
Chloromethane	ND		ug/kg	4.7	0.74	1
Vinyl chloride	ND		ug/kg	1.9	0.13	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.94	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	4.7	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.7	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	4.7	0.23	1
cis-1,2-Dichloroethene	ND		ug/kg	0.94	0.14	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	98		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305722

Project Number: Not Specified **Report Date:** 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/13 14:14
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG600067-3					
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.23	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Vinyl chloride	ND		ug/kg	2.0	0.14
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305722

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600067-1 WG600067-2								
Methylene chloride	117		109		70-130	7		30
1,1-Dichloroethane	108		97		70-130	11		30
Chloroform	105		96		70-130	9		30
Carbon tetrachloride	103		91		70-130	12		30
1,2-Dichloropropane	108		98		70-130	10		30
Dibromochloromethane	95		88		70-130	8		30
2-Chloroethylvinyl ether	106		99			7		30
1,1,2-Trichloroethane	95		91		70-130	4		30
Tetrachloroethene	94		84		70-130	11		30
Chlorobenzene	95		87		70-130	9		30
Trichlorofluoromethane	107		94		70-139	13		30
1,2-Dichloroethane	105		96		70-130	9		30
1,1,1-Trichloroethane	104		92		70-130	12		30
Bromodichloromethane	106		97		70-130	9		30
trans-1,3-Dichloropropene	94		88		70-130	7		30
cis-1,3-Dichloropropene	107		98		70-130	9		30
1,1-Dichloropropene	105		93		70-130	12		30
Bromoform	90		85		70-130	6		30
1,1,2,2-Tetrachloroethane	90		84		70-130	7		30
Benzene	108		97		70-130	11		30
Toluene	91		82		70-130	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305722

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600067-1 WG600067-2								
Ethylbenzene	94		85		70-130	10		30
Chloromethane	119		105		52-130	13		30
Bromomethane	123		104		57-147	17		30
Vinyl chloride	111		95		67-130	16		30
Chloroethane	110		98		50-151	12		30
1,1-Dichloroethene	109		96		65-135	13		30
trans-1,2-Dichloroethene	109		97		70-130	12		30
Trichloroethene	107		95		70-130	12		30
1,2-Dichlorobenzene	90		83		70-130	8		30
1,3-Dichlorobenzene	90		83		70-130	8		30
1,4-Dichlorobenzene	90		82		70-130	9		30
Methyl tert butyl ether	106		99		66-130	7		30
p/m-Xylene	95		86		70-130	10		30
o-Xylene	95		88		70-130	8		30
cis-1,2-Dichloroethene	108		99		70-130	9		30
Dibromomethane	108		100		70-130	8		30
Styrene	96		88		70-130	9		30
Dichlorodifluoromethane	112		97		30-146	14		30
Acetone	**159**	Q	130		54-140	20		30
Carbon disulfide	110		97		59-130	13		30
2-Butanone	123		117		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305722

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600067-1 WG600067-2								
Vinyl acetate	107		99		70-130	8		30
4-Methyl-2-pentanone	109		102		70-130	7		30
1,2,3-Trichloropropane	90		83		68-130	8		30
2-Hexanone	104		93		70-130	11		30
Bromochloromethane	109		103		70-130	6		30
2,2-Dichloropropane	105		93		70-130	12		30
1,2-Dibromoethane	95		91		70-130	4		30
1,3-Dichloropropane	94		89		69-130	5		30
1,1,1,2-Tetrachloroethane	96		88		70-130	9		30
Bromobenzene	90		83		70-130	8		30
n-Butylbenzene	89		79		70-130	12		30
sec-Butylbenzene	89		79		70-130	12		30
tert-Butylbenzene	89		80		70-130	11		30
o-Chlorotoluene	88		80		70-130	10		30
p-Chlorotoluene	90		81		70-130	11		30
1,2-Dibromo-3-chloropropane	80		89		68-130	11		30
Hexachlorobutadiene	89		79		67-130	12		30
Isopropylbenzene	94		84		70-130	11		30
p-Isopropyltoluene	89		79		70-130	12		30
Naphthalene	90		84		70-130	7		30
Acrylonitrile	111		105		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305722

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600067-1 WG600067-2								
Isopropyl Ether	107		99		66-130	8		30
tert-Butyl Alcohol	96		95		70-130	1		30
n-Propylbenzene	88		79		70-130	11		30
1,2,3-Trichlorobenzene	90		82		70-130	9		30
1,2,4-Trichlorobenzene	90		83		70-130	8		30
1,3,5-Trimethylbenzene	90		81		70-130	11		30
1,2,4-Trimethylbenzene	89		81		70-130	9		30
Methyl Acetate	108		101		70-130	7		30
Ethyl Acetate	112		104		70-130	7		30
Acrolein	**66**	Q	**62**	Q	70-130	6		30
Cyclohexane	107		94		70-130	13		30
1,4-Dioxane	126		121		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	110		96		70-130	14		30
1,4-Diethylbenzene	108		96		70-130	12		30
4-Ethyltoluene	108		96		70-130	12		30
1,2,4,5-Tetramethylbenzene	108		97		70-130	11		30
Tetrahydrofuran	105		97		66-130	8		30
Ethyl ether	104		98		67-130	6		30
trans-1,4-Dichloro-2-butene	88		83		70-130	6		30
Methyl cyclohexane	107		94		70-130	13		30
Ethyl-Tert-Butyl-Ether	106		99		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305722

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600067-1 WG600067-2								
Tertiary-Amyl Methyl Ether	107		98		70-130	9		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		94		70-130
Toluene-d8	93		93		70-130
4-Bromofluorobenzene	97		96		70-130
Dibromofluoromethane	101		99		70-130

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305722
Report Date: 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/08/13 17:19
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 04/04/13 07:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG599427-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	49	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	49	17.
Benzo(k)fluoranthene	ND		ug/kg	49	16.
Chrysene	ND		ug/kg	49	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	49	16.
Dibenzo(a,h)anthracene	ND		ug/kg	49	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		25-120
Phenol-d6	33		10-120
Nitrobenzene-d5	35		23-120
2-Fluorobiphenyl	37		30-120
2,4,6-Tribromophenol	44		0-136
4-Terphenyl-d14	57		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305722

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599427-2 WG599427-3								
Acenaphthene	54		66		31-137	20		50
1,2,4-Trichlorobenzene	54		68		38-107	23		50
Hexachlorobenzene	75		77		40-140	3		50
Bis(2-chloroethyl)ether	43		59		40-140	31		50
2-Chloronaphthalene	60		72		40-140	18		50
1,2-Dichlorobenzene	49		65		40-140	28		50
1,3-Dichlorobenzene	46		64		40-140	33		50
1,4-Dichlorobenzene	47		63		28-104	29		50
3,3'-Dichlorobenzidine	56		60		40-140	7		50
2,4-Dinitrotoluene	66		66		28-89	0		50
2,6-Dinitrotoluene	71		69		40-140	3		50
Fluoranthene	70		70		40-140	0		50
4-Chlorophenyl phenyl ether	65		68		40-140	5		50
4-Bromophenyl phenyl ether	73		77		40-140	5		50
Bis(2-chloroisopropyl)ether	**33**	Q	44		40-140	29		50
Bis(2-chloroethoxy)methane	47		60		40-117	24		50
Hexachlorobutadiene	56		75		40-140	29		50
Hexachlorocyclopentadiene	**20**	Q	**22**	Q	40-140	10		50
Hexachloroethane	44		60		40-140	31		50
Isophorone	46		57		40-140	21		50
Naphthalene	48		64		40-140	29		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305722

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599427-2 WG599427-3								
Nitrobenzene	46		57		40-140	21		50
NitrosoDiPhenylAmine(NDPA)/DPA	67		69			3		50
n-Nitrosodi-n-propylamine	43		58		32-121	30		50
Bis(2-Ethylhexyl)phthalate	67		68		40-140	1		50
Butyl benzyl phthalate	66		63		40-140	5		50
Di-n-butylphthalate	67		65		40-140	3		50
Di-n-octylphthalate	63		66		40-140	5		50
Diethyl phthalate	67		68		40-140	1		50
Dimethyl phthalate	64		69		40-140	8		50
Benzo(a)anthracene	70		72		40-140	3		50
Benzo(a)pyrene	72		70		40-140	3		50
Benzo(b)fluoranthene	74		71		40-140	4		50
Benzo(k)fluoranthene	73		76		40-140	4		50
Chrysene	70		68		40-140	3		50
Acenaphthylene	59		67		40-140	13		50
Anthracene	67		67		40-140	0		50
Benzo(ghi)perylene	66		62		40-140	6		50
Fluorene	64		67		40-140	5		50
Phenanthrene	69		66		40-140	4		50
Dibenzo(a,h)anthracene	68		67		40-140	1		50
Indeno(1,2,3-cd)Pyrene	65		64		40-140	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305722
Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599427-2 WG599427-3								
Pyrene	70		70		35-142	0		50
Biphenyl	56		69			21		50
4-Chloroaniline	**25**	Q	**29**	Q	40-140	15		50
2-Nitroaniline	69		68		47-134	1		50
3-Nitroaniline	38		44		26-129	15		50
4-Nitroaniline	60		62		41-125	3		50
Dibenzofuran	57		66		40-140	15		50
2-Methylnaphthalene	54		65		40-140	18		50
1,2,4,5-Tetrachlorobenzene	56		75		40-117	29		50
Acetophenone	51		67		14-144	27		50
2,4,6-Trichlorophenol	72		77		30-130	7		50
P-Chloro-M-Cresol	65		70		26-103	7		50
2-Chlorophenol	51		70		25-102	31		50
2,4-Dichlorophenol	60		74		30-130	21		50
2,4-Dimethylphenol	52		66		30-130	24		50
2-Nitrophenol	54		71		30-130	27		50
4-Nitrophenol	73		71		11-114	3		50
2,4-Dinitrophenol	39		40		4-130	3		50
4,6-Dinitro-o-cresol	47		46		10-130	2		50
Pentachlorophenol	74		72		17-109	3		50
Phenol	46		60		26-90	26		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305722

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599427-2 WG599427-3								
2-Methylphenol	51		65		30-130.	24		50
3-Methylphenol/4-Methylphenol	53		67		30-130	23		50
2,4,5-Trichlorophenol	76		74		30-130	3		50
Benzoic Acid	28		30			7		50
Benzyl Alcohol	50		63		40-140	23		50
Carbazole	68		67		54-128	1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		67		25-120
Phenol-d6	50		64		10-120
Nitrobenzene-d5	49		61		23-120
2-Fluorobiphenyl	60		68		30-120
2,4,6-Tribromophenol	83		82		0-136
4-Terphenyl-d14	73		71		18-120

PCBS

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305722

Report Date: 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/05/13 16:31
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 04/04/13 10:09
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/05/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/05/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG599477-1					
Aroclor 1016	ND		ug/kg	16.2	3.21
Aroclor 1221	ND		ug/kg	16.2	4.90
Aroclor 1232	ND		ug/kg	16.2	3.45
Aroclor 1242	ND		ug/kg	16.2	3.08
Aroclor 1248	ND		ug/kg	16.2	1.97
Aroclor 1254	ND		ug/kg	16.2	2.56
Aroclor 1260	ND		ug/kg	16.2	2.82

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	86		30-150
Decachlorobiphenyl	89		30-150
2,4,5,6-Tetrachloro-m-xylene	81		30-150
Decachlorobiphenyl	90		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305722

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG599477-2 WG599477-3								
Aroclor 1016	73		79		40-140	8		50
Aroclor 1260	76		83		40-140	9		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	64		69		30-150
Decachlorobiphenyl	75		78		30-150
2,4,5,6-Tetrachloro-m-xylene	65		70		30-150
Decachlorobiphenyl	75		77		30-150

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305722
Project Number: Not Specified
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305722-01
Client ID: P015015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 92%

Date Collected: 04/02/13 15:40
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	8.6		mg/kg	0.42	0.08	1	04/04/13 12:52	04/04/13 23:30	EPA 3050B	1,6010C	BM
Mercury, Total	0.04	J	mg/kg	0.08	0.02	1	04/10/13 11:33	04/10/13 14:31	EPA 7471B	1,7471B	MC

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305722
Project Number: Not Specified
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305722-02
Client ID: P016015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 90%

Date Collected: 04/02/13 15:10
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	7.9		mg/kg	0.44	0.09	1	04/04/13 12:52	04/04/13 23:32	EPA 3050B	1,6010C	BM
Mercury, Total	0.19		mg/kg	0.08	0.02	1	04/10/13 11:33	04/10/13 14:33	EPA 7471B	1,7471B	MC

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305722

Project Number: Not Specified **Report Date:** 04/18/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG599523-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Barium, Total	0.18	J	mg/kg	0.40	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Copper, Total	ND		mg/kg	0.40	0.20	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Lead, Total	0.55	J	mg/kg	2.0	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Selenium, Total	0.12	J	mg/kg	0.80	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Silver, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Zinc, Total	0.39	J	mg/kg	2.0	0.20	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG600659-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/10/13 11:33	04/10/13 14:16	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305722

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG599523-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Chromium, Total	97		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	98		-		80-120	-		
Nickel, Total	94		-		82-117	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	97		-		66-134	-		
Zinc, Total	100		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG600659-2 SRM Lot Number: 0518-10-02								
Mercury, Total	111		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305722
Report Date: 04/18/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599523-4 QC Sample: L1305720-01 Client ID: MS Sample												
Arsenic, Total	6.0	12.9	17	85		-	-		75-125	-		35
Barium, Total	200	214	370	79		-	-		75-125	-		35
Beryllium, Total	1.0	5.36	6.0	93		-	-		75-125	-		35
Cadmium, Total	13.	55	63	91		-	-		75-125	-		35
Chromium, Total	260	21.4	320	**280**	Q	-	-		75-125	-		35
Copper, Total	58.	26.8	86	104		-	-		75-125	-		35
Lead, Total	170	54.7	280	**201**	Q	-	-		75-125	-		35
Nickel, Total	37.	53.6	76	**73**	Q	-	-		75-125	-		35
Selenium, Total	1.0J	12.9	13	101		-	-		75-125	-		35
Silver, Total	0.20J	32.2	34	106		-	-		75-125	-		35
Zinc, Total	130	53.6	180	93		-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600659-4 QC Sample: L1305720-01 Client ID: MS Sample												
Mercury, Total	0.18	0.181	1.1	**507**	Q	-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305722
Report Date: 04/18/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599523-3 QC Sample: L1305720-01 Client ID: DUP Sample						
Barium, Total	200	150	mg/kg	29		35
Cadmium, Total	13.	11	mg/kg	17		35
Chromium, Total	260	160	mg/kg	**48**	Q	35
Copper, Total	58.	48	mg/kg	19		35
Lead, Total	170	140	mg/kg	19		35
Nickel, Total	37.	27	mg/kg	31		35
Selenium, Total	1.0J	1.1	mg/kg	NC		35
Zinc, Total	130	120	mg/kg	8		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600659-3 QC Sample: L1305720-01 Client ID: DUP Sample						
Mercury, Total	0.18	1.5	mg/kg	**157**	Q	35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305722
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305722-01
Client ID: P015015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/02/13 15:40
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.6		%	0.100	NA	1	-	04/04/13 18:56	30,2540G	RD

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305722
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1305722-02
Client ID: P016015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/02/13 15:10
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.3		%	0.100	NA	1	-	04/04/13 18:56	30,2540G	RD

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305722
Report Date: 04/18/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599637-1 QC Sample: L1305720-01 Client ID: DUP Sample						
Solids, Total	71.4	70.0	%	2		20

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305722
Report Date: 04/18/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 04/04/2013 05:20

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305722-01A	Vial MeOH preserved	A	NA	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305722-01B	Vial water preserved	A	NA	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305722-01C	Vial water preserved	A	NA	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305722-01D	Plastic 2oz unpreserved for TS	A	NA	3.1	Y	Absent	TS(7)
L1305722-01E	Amber 120ml unpreserved	A	NA	3.1	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1305722-01F	Amber 250ml unpreserved	A	NA	3.1	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1305722-02A	Vial MeOH preserved	A	NA	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305722-02B	Vial water preserved	A	NA	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305722-02C	Vial water preserved	A	NA	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305722-02D	Plastic 2oz unpreserved for TS	A	NA	3.1	Y	Absent	TS(7)
L1305722-02E	Amber 120ml unpreserved	A	NA	3.1	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305722
Report Date: 04/18/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305722-02F	Amber 250ml unpreserved	A	NA	3.1	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305722
Project Number:	Not Specified	**Report Date:**	04/18/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305722
Project Number:	Not Specified	**Report Date:**	04/18/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305722
Project Number:	Not Specified	**Report Date:**	04/18/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
World Class Chemistry

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/4/13
ALPHA Job #: L1305722

Project Information

Project Name: BASF Glens Falls New York
Project Location: Glens Falls New York
Project #:
Project Manager: P. Malmquist
ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions
Address: 4327 Pt Pleasant Pk (PO Box 410)
Danboro, PA 18916
Phone: 215-230-8282
Fax: 215-230-8283
Email: pmalmquist@amoed.com
☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)
Due Date: 4/10/13 Time:

Report Information / Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Detection limits to meet NYSDEC Part 375 Requirements (Unrestricted)
Find %Moisture of each aliquot and calculate average for use as %Moisture of associated composite sample

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs-See attached list	Hexavalent Chromium-Hold	Cyanide-Hold	Metals-See attached list-Hold	PCBs-Hold	SVOCs-See atached list-Hold	Sample Specific Comments	TOTAL # BOTTLES
05722-01	P015015	4/2	1540	S	[illegible]	☒	☒	☒	☒	☒	☒		
-02	P016015	4/2	1510	S	[illegible]	☒	☒	☒	☒	☒	☒		

Container Type: -
Preservative: -

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/3 1600	[signature]	4/3/13 1600
[signature]		[signature]	4/3/13 2304
[signature]	4/3/13 00:50	[signature]	4/4/13 00:50

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 5-JAN-12)

ANALYTICAL REPORT

Lab Number:	L1305721
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/10/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305721
Report Date: 04/10/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305721-01	P004P005	GLENS FALLS NEW YORK	04/03/13 13:40

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305721
Project Number: Not Specified **Report Date:** 04/10/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305721
Project Number:	Not Specified	**Report Date:**	04/10/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 04/10/13

ORGANICS

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305721

Project Number: Not Specified **Report Date:** 04/10/13

SAMPLE RESULTS

Lab ID:	L1305721-01	Date Collected:	04/03/13 13:40
Client ID:	P004P005	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/04/13 07:47
Analytical Date:	04/08/13 18:40		
Analyst:	JB		
Percent Solids:	68%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	ND		ug/kg	240	63.	1
Dimethyl phthalate	ND		ug/kg	240	61.	1
Benzo(a)anthracene	150		ug/kg	140	47.	1
Benzo(a)pyrene	160	J	ug/kg	190	59.	1
Benzo(b)fluoranthene	220		ug/kg	140	49.	1
Benzo(k)fluoranthene	73	J	ug/kg	140	46.	1
Chrysene	200		ug/kg	140	47.	1
Fluorene	ND		ug/kg	240	69.	1
Phenanthrene	180		ug/kg	140	47.	1
Dibenzo(a,h)anthracene	ND		ug/kg	140	47.	1
Indeno(1,2,3-cd)pyrene	100	J	ug/kg	190	54.	1
2-Chlorophenol	ND		ug/kg	240	73.	1
Pentachlorophenol	ND		ug/kg	190	52.	1
Phenol	ND		ug/kg	240	72.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	350	79.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	92		25-120
Phenol-d6	95		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	109		30-120
2,4,6-Tribromophenol	**146**	Q	0-136
4-Terphenyl-d14	112		18-120

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305721
Report Date: 04/10/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/08/13 17:19
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 04/04/13 07:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG599427-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	49	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	49	17.
Benzo(k)fluoranthene	ND		ug/kg	49	16.
Chrysene	ND		ug/kg	49	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	49	16.
Dibenzo(a,h)anthracene	ND		ug/kg	49	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		25-120
Phenol-d6	33		10-120
Nitrobenzene-d5	35		23-120
2-Fluorobiphenyl	37		30-120
2,4,6-Tribromophenol	44		0-136
4-Terphenyl-d14	57		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305721

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599427-2 WG599427-3								
Acenaphthene	54		66		31-137	20		50
1,2,4-Trichlorobenzene	54		68		38-107	23		50
Hexachlorobenzene	75		77		40-140	3		50
Bis(2-chloroethyl)ether	43		59		40-140	31		50
2-Chloronaphthalene	60		72		40-140	18		50
1,2-Dichlorobenzene	49		65		40-140	28		50
1,3-Dichlorobenzene	46		64		40-140	33		50
1,4-Dichlorobenzene	47		63		28-104	29		50
3,3'-Dichlorobenzidine	56		60		40-140	7		50
2,4-Dinitrotoluene	66		66		28-89	0		50
2,6-Dinitrotoluene	71		69		40-140	3		50
Fluoranthene	70		70		40-140	0		50
4-Chlorophenyl phenyl ether	65		68		40-140	5		50
4-Bromophenyl phenyl ether	73		77		40-140	5		50
Bis(2-chloroisopropyl)ether	**33**	Q	44		40-140	29		50
Bis(2-chloroethoxy)methane	47		60		40-117	24		50
Hexachlorobutadiene	56		75		40-140	29		50
Hexachlorocyclopentadiene	**20**	Q	**22**	Q	40-140	10		50
Hexachloroethane	44		60		40-140	31		50
Isophorone	46		57		40-140	21		50
Naphthalene	48		64		40-140	29		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305721

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599427-2 WG599427-3								
Nitrobenzene	46		57		40-140	21		50
NitrosoDiPhenylAmine(NDPA)/DPA	67		69			3		50
n-Nitrosodi-n-propylamine	43		58		32-121	30		50
Bis(2-Ethylhexyl)phthalate	67		68		40-140	1		50
Butyl benzyl phthalate	66		63		40-140	5		50
Di-n-butylphthalate	67		65		40-140	3		50
Di-n-octylphthalate	63		66		40-140	5		50
Diethyl phthalate	67		68		40-140	1		50
Dimethyl phthalate	64		69		40-140	8		50
Benzo(a)anthracene	70		72		40-140	3		50
Benzo(a)pyrene	72		70		40-140	3		50
Benzo(b)fluoranthene	74		71		40-140	4		50
Benzo(k)fluoranthene	73		76		40-140	4		50
Chrysene	70		68		40-140	3		50
Acenaphthylene	59		67		40-140	13		50
Anthracene	67		67		40-140	0		50
Benzo(ghi)perylene	66		62		40-140	6		50
Fluorene	64		67		40-140	5		50
Phenanthrene	69		66		40-140	4		50
Dibenzo(a,h)anthracene	68		67		40-140	1		50
Indeno(1,2,3-cd)Pyrene	65		64		40-140	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305721

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599427-2 WG599427-3								
Pyrene	70		70		35-142	0		50
Biphenyl	56		69			21		50
4-Chloroaniline	**25**	Q	**29**	Q	40-140	15		50
2-Nitroaniline	69		68		47-134	1		50
3-Nitroaniline	38		44		26-129	15		50
4-Nitroaniline	60		62		41-125	3		50
Dibenzofuran	57		66		40-140	15		50
2-Methylnaphthalene	54		65		40-140	18		50
1,2,4,5-Tetrachlorobenzene	56		75		40-117	29		50
Acetophenone	51		67		14-144	27		50
2,4,6-Trichlorophenol	72		77		30-130	7		50
P-Chloro-M-Cresol	65		70		26-103	7		50
2-Chlorophenol	51		70		25-102	31		50
2,4-Dichlorophenol	60		74		30-130	21		50
2,4-Dimethylphenol	52		66		30-130	24		50
2-Nitrophenol	54		71		30-130	27		50
4-Nitrophenol	73		71		11-114	3		50
2,4-Dinitrophenol	39		40		4-130	3		50
4,6-Dinitro-o-cresol	47		46		10-130	2		50
Pentachlorophenol	74		72		17-109	3		50
Phenol	46		60		26-90	26		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305721

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599427-2 WG599427-3								
2-Methylphenol	51		65		30-130.	24		50
3-Methylphenol/4-Methylphenol	53		67		30-130	23		50
2,4,5-Trichlorophenol	76		74		30-130	3		50
Benzoic Acid	28		30			7		50
Benzyl Alcohol	50		63		40-140	23		50
Carbazole	68		67		54-128	1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		67		25-120
Phenol-d6	50		64		10-120
Nitrobenzene-d5	49		61		23-120
2-Fluorobiphenyl	60		68		30-120
2,4,6-Tribromophenol	83		82		0-136
4-Terphenyl-d14	73		71		18-120

PCBS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305721

Project Number: Not Specified **Report Date:** 04/10/13

SAMPLE RESULTS

Lab ID:	L1305721-01	Date Collected:	04/03/13 13:40
Client ID:	P004P005	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	04/05/13 08:33
Analytical Date:	04/05/13 15:05	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	04/05/13
Percent Solids:	68%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	04/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	46.9	9.26	1
Aroclor 1221	ND		ug/kg	46.9	14.1	1
Aroclor 1232	ND		ug/kg	46.9	9.96	1
Aroclor 1242	ND		ug/kg	46.9	8.90	1
Aroclor 1248	ND		ug/kg	46.9	5.67	1
Aroclor 1254	100		ug/kg	46.9	7.39	1
Aroclor 1260	ND		ug/kg	46.9	8.14	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	93		30-150
Decachlorobiphenyl	93		30-150
2,4,5,6-Tetrachloro-m-xylene	93		30-150
Decachlorobiphenyl	107		30-150

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305721

Report Date: 04/10/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/05/13 16:31
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 04/04/13 10:09
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/05/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/05/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG599477-1					
Aroclor 1016	ND		ug/kg	16.2	3.21
Aroclor 1221	ND		ug/kg	16.2	4.90
Aroclor 1232	ND		ug/kg	16.2	3.45
Aroclor 1242	ND		ug/kg	16.2	3.08
Aroclor 1248	ND		ug/kg	16.2	1.97
Aroclor 1254	ND		ug/kg	16.2	2.56
Aroclor 1260	ND		ug/kg	16.2	2.82

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	86		30-150
Decachlorobiphenyl	89		30-150
2,4,5,6-Tetrachloro-m-xylene	81		30-150
Decachlorobiphenyl	90		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305721

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG599477-2 WG599477-3								
Aroclor 1016	73		79		40-140	8		50
Aroclor 1260	76		83		40-140	9		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	64		69		30-150
Decachlorobiphenyl	75		78		30-150
2,4,5,6-Tetrachloro-m-xylene	65		70		30-150
Decachlorobiphenyl	75		77		30-150

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305721
Project Number: Not Specified
Report Date: 04/10/13

SAMPLE RESULTS

Lab ID: L1305721-01
Client ID: P004P005
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 68%

Date Collected: 04/03/13 13:40
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	4.4		mg/kg	0.57	0.17	2	04/04/13 12:05	04/10/13 15:07	EPA 3050B	1,6010C	MS
Barium, Total	700		mg/kg	0.57	0.17	2	04/04/13 12:05	04/10/13 15:07	EPA 3050B	1,6010C	MS
Beryllium, Total	0.71		mg/kg	0.29	0.02	2	04/04/13 12:05	04/10/13 15:07	EPA 3050B	1,6010C	MS
Cadmium, Total	44		mg/kg	0.57	0.03	2	04/04/13 12:05	04/10/13 15:07	EPA 3050B	1,6010C	MS
Chromium, Total	580		mg/kg	0.57	0.11	2	04/04/13 12:05	04/10/13 15:07	EPA 3050B	1,6010C	MS
Copper, Total	100		mg/kg	0.57	0.29	2	04/04/13 12:05	04/10/13 15:07	EPA 3050B	1,6010C	MS
Lead, Total	860		mg/kg	2.9	0.17	2	04/04/13 12:05	04/10/13 15:07	EPA 3050B	1,6010C	MS
Mercury, Total	3.5		mg/kg	0.38	0.08	8	04/10/13 11:33	04/10/13 14:49	EPA 7471B	1,7471B	MC
Nickel, Total	29		mg/kg	1.4	0.23	2	04/04/13 12:05	04/10/13 15:07	EPA 3050B	1,6010C	MS
Selenium, Total	2.0		mg/kg	1.1	0.17	2	04/04/13 12:05	04/10/13 15:07	EPA 3050B	1,6010C	MS
Silver, Total	0.38	J	mg/kg	0.57	0.11	2	04/04/13 12:05	04/10/13 15:07	EPA 3050B	1,6010C	MS
Zinc, Total	130		mg/kg	2.9	0.29	2	04/04/13 12:05	04/10/13 15:07	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305721

Project Number: Not Specified **Report Date:** 04/10/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG599523-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Barium, Total	0.18	J	mg/kg	0.40	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Copper, Total	ND		mg/kg	0.40	0.20	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Lead, Total	0.55	J	mg/kg	2.0	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Selenium, Total	0.12	J	mg/kg	0.80	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Silver, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Zinc, Total	0.39	J	mg/kg	2.0	0.20	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG600659-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/10/13 11:33	04/10/13 14:16	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305721

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG599523-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Chromium, Total	97		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	98		-		80-120	-		
Nickel, Total	94		-		82-117	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	97		-		66-134	-		
Zinc, Total	100		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG600659-2 SRM Lot Number: 0518-10-02								
Mercury, Total	111		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305721
Report Date: 04/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599523-4 QC Sample: L1305720-01 Client ID: MS Sample												
Arsenic, Total	6.0	12.9	17	85		-	-		75-125	-		35
Barium, Total	200	214	370	79		-	-		75-125	-		35
Beryllium, Total	1.0	5.36	6.0	93		-	-		75-125	-		35
Cadmium, Total	13.	55	63	91		-	-		75-125	-		35
Chromium, Total	260	21.4	320	**280**	Q	-	-		75-125	-		35
Copper, Total	58.	26.8	86	104		-	-		75-125	-		35
Lead, Total	170	54.7	280	**201**	Q	-	-		75-125	-		35
Nickel, Total	37.	53.6	76	**73**	Q	-	-		75-125	-		35
Selenium, Total	1.0J	12.9	13	101		-	-		75-125	-		35
Silver, Total	0.20J	32.2	34	106		-	-		75-125	-		35
Zinc, Total	130	53.6	180	93		-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600659-4 QC Sample: L1305720-01 Client ID: MS Sample												
Mercury, Total	0.18	0.181	1.1	**507**	Q	-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305721
Report Date: 04/10/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599523-3 QC Sample: L1305720-01 Client ID: DUP Sample						
Arsenic, Total	6.0	4.4	mg/kg	31		35
Barium, Total	200	150	mg/kg	29		35
Beryllium, Total	1.0	0.87	mg/kg	14		35
Cadmium, Total	13.	11	mg/kg	17		35
Chromium, Total	260	160	mg/kg	**48**	Q	35
Copper, Total	58.	48	mg/kg	19		35
Lead, Total	170	140	mg/kg	19		35
Nickel, Total	37.	27	mg/kg	31		35
Selenium, Total	1.0J	1.1	mg/kg	NC		35
Silver, Total	0.20J	ND	mg/kg	NC		35
Zinc, Total	130	120	mg/kg	8		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600659-3 QC Sample: L1305720-01 Client ID: DUP Sample						
Mercury, Total	0.18	1.5	mg/kg	**157**	Q	35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305721
Report Date: 04/10/13

SAMPLE RESULTS

Lab ID: L1305721-01
Client ID: P004P005
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/03/13 13:40
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	67.6		%	0.100	NA	1	-	04/04/13 18:56	30,2540G	RD
Cyanide, Total	8.7		mg/kg	1.4	0.32	2	04/04/13 13:45	04/04/13 17:15	1,9010C/9012A	JO

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305721

Project Number: Not Specified **Report Date:** 04/10/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG599586-1										
Cyanide, Total	ND		mg/kg	0.90	0.21	1	04/04/13 13:45	04/04/13 17:04	1,9010C/9012A	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305721

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG599586-4 WG599586-5								
Cyanide, Total	94		106		80-120	12		35

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305721
Report Date: 04/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599586-3 WG599586-2 QC Sample: L1305685-01 Client ID: MS Sample												
Cyanide, Total	ND	12	12	100		12	100		65-135	0		35

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305721
Project Number:	Not Specified	**Report Date:**	04/10/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305721
Project Number:	Not Specified	**Report Date:**	04/10/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305721
Project Number:	Not Specified	**Report Date:**	04/10/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

Serial_No:04101319:14

CHAIN OF COUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL — World Class Chemistry

Westborough, MA — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA — TEL: 508-822-9300 — FAX: 508-822-3288

Date Rec'd in Lab: 4/4/13
ALPHA Job #: L1305721

Client Information

Client: AMO Environmental Decisions
Address: 4327 Pt Pleasant Pk (PO Box 410)
Danboro, PA 18916
Phone: 215-230-8282
Fax: 215-230-8283
Email: pmalmquist@amoed.com
☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: BASF Glens Falls New York
Project Location: Glens Falls New York
Project #:
Project Manager: P. Malmquist
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)
Due Date: 4/10/13 Time:

Report Information / Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info
PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:
Extract/Digest Sample P001045 and Sample P005015.
Composite and analyze Extract/Digestate as Sample inidicated below.
Detection limits to meet NYSDEC Part 375 Requirements (0.5 x Unrestricted)
Use average of associated aliquot %Moisture for result calculations

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cyanide	Metals-See attached list (no Cr6+)	PCBs	SVOCs-See attached list	Sample Specific Comments	TOTAL # BOTTLES
05721-01	P004 P005	4/3	1340	S	[initials]	☒	☒	☒	☒		

Container Type	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/3 1600	Kyle Cunningham	4/3/13 1600
Kyle Cunningham		[signature]	4/3/13 2204
[signature]	4/3/13 00:50	[signature]	4/4/13 00:50

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 5-JAN-12)

ANALYTICAL REPORT

Lab Number:	L1305720
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/26/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305720
Report Date: 04/26/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305720-01	P004015	GLENS FALLS NEW YORK	04/03/13 13:40
L1305720-02	P005015	GLENS FALLS NEW YORK	04/03/13 13:10

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305720
Project Number:	Not Specified	**Report Date:**	04/26/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305720
Project Number:	Not Specified	**Report Date:**	04/26/13

Case Narrative (continued)

Report Submission

This final report replaces the report issued on April 18, 2013, and includes all the requested analyses, including the Hexavalent Chromium analysis on both samples.

The previously issued partial report replaced the report issued on April 11, 2013. At the client's request, the samples were analyzed for Total Metals and PCBs.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Metals

The WG599523-4 MS recovery for Chromium (280%), performed on L1305720-01, does not apply because the sample concentration is greater than four times the spike amount added.

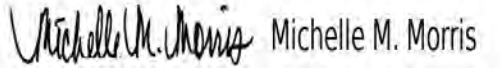
The WG599523-4 MS recoveries, performed on L1305720-01, are outside the acceptance criteria for Lead (201%) and Nickel (73%). A post digestion spike was performed with acceptable recoveries of Lead (89%) and Nickel (87%).

The WG600659-4 MS recovery, performed on L1305720-01, is above the acceptance criteria for Mercury (507%). A post digestion spike was performed with an acceptable recovery of 102%.

The WG599523-3 Laboratory Duplicate RPD, performed on L1305720-01, is outside the acceptance criteria for Chromium (48%). The elevated RPD has been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.

The WG600659-3 Laboratory Duplicate RPD, performed on L1305720-01, is outside the acceptance criteria for Mercury (157%). The elevated RPD has been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Michelle M. Morris

Title: Technical Director/Representative Date: 04/26/13

ORGANICS

VOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305720

Project Number: Not Specified **Report Date:** 04/26/13

SAMPLE RESULTS

Lab ID:	L1305720-01	Date Collected:	04/03/13 13:40
Client ID:	P004015	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/06/13 20:10		
Analyst:	JC		
Percent Solids:	71%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	2.1	0.52	1
Carbon tetrachloride	ND		ug/kg	1.4	0.29	1
Chlorobenzene	ND		ug/kg	1.4	0.49	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.20	1
Benzene	ND		ug/kg	1.4	0.16	1
Toluene	ND		ug/kg	2.1	0.16	1
Ethylbenzene	ND		ug/kg	1.4	0.21	1
Chloromethane	ND		ug/kg	7.0	1.1	1
Vinyl chloride	ND		ug/kg	2.8	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.30	1
Trichloroethene	ND		ug/kg	1.4	0.21	1
1,2-Dichlorobenzene	ND		ug/kg	7.0	0.26	1
1,3-Dichlorobenzene	ND		ug/kg	7.0	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	7.0	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.21	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	99		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305720

Project Number: Not Specified **Report Date:** 04/26/13

SAMPLE RESULTS

Lab ID:	L1305720-02	Date Collected:	04/03/13 13:10
Client ID:	P005015	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/06/13 20:37		
Analyst:	JC		
Percent Solids:	64%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	2.4	0.58	1
Carbon tetrachloride	ND		ug/kg	1.6	0.33	1
Chlorobenzene	ND		ug/kg	1.6	0.54	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.23	1
Benzene	ND		ug/kg	1.6	0.18	1
Toluene	ND		ug/kg	2.4	0.18	1
Ethylbenzene	ND		ug/kg	1.6	0.23	1
Chloromethane	ND		ug/kg	7.8	1.2	1
Vinyl chloride	ND		ug/kg	3.1	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	2.4	0.33	1
Trichloroethene	ND		ug/kg	1.6	0.24	1
1,2-Dichlorobenzene	ND		ug/kg	7.8	0.29	1
1,3-Dichlorobenzene	ND		ug/kg	7.8	0.29	1
1,4-Dichlorobenzene	ND		ug/kg	7.8	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	98		70-130

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305720
Report Date: 04/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/13 14:14
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG600067-3					
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.23	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Vinyl chloride	ND		ug/kg	2.0	0.14
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305720

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600067-1 WG600067-2								
Methylene chloride	117		109		70-130	7		30
1,1-Dichloroethane	108		97		70-130	11		30
Chloroform	105		96		70-130	9		30
Carbon tetrachloride	103		91		70-130	12		30
1,2-Dichloropropane	108		98		70-130	10		30
Dibromochloromethane	95		88		70-130	8		30
2-Chloroethylvinyl ether	106		99			7		30
1,1,2-Trichloroethane	95		91		70-130	4		30
Tetrachloroethene	94		84		70-130	11		30
Chlorobenzene	95		87		70-130	9		30
Trichlorofluoromethane	107		94		70-139	13		30
1,2-Dichloroethane	105		96		70-130	9		30
1,1,1-Trichloroethane	104		92		70-130	12		30
Bromodichloromethane	106		97		70-130	9		30
trans-1,3-Dichloropropene	94		88		70-130	7		30
cis-1,3-Dichloropropene	107		98		70-130	9		30
1,1-Dichloropropene	105		93		70-130	12		30
Bromoform	90		85		70-130	6		30
1,1,2,2-Tetrachloroethane	90		84		70-130	7		30
Benzene	108		97		70-130	11		30
Toluene	91		82		70-130	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305720

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600067-1 WG600067-2								
Ethylbenzene	94		85		70-130	10		30
Chloromethane	119		105		52-130	13		30
Bromomethane	123		104		57-147	17		30
Vinyl chloride	111		95		67-130	16		30
Chloroethane	110		98		50-151	12		30
1,1-Dichloroethene	109		96		65-135	13		30
trans-1,2-Dichloroethene	109		97		70-130	12		30
Trichloroethene	107		95		70-130	12		30
1,2-Dichlorobenzene	90		83		70-130	8		30
1,3-Dichlorobenzene	90		83		70-130	8		30
1,4-Dichlorobenzene	90		82		70-130	9		30
Methyl tert butyl ether	106		99		66-130	7		30
p/m-Xylene	95		86		70-130	10		30
o-Xylene	95		88		70-130	8		30
cis-1,2-Dichloroethene	108		99		70-130	9		30
Dibromomethane	108		100		70-130	8		30
Styrene	96		88		70-130	9		30
Dichlorodifluoromethane	112		97		30-146	14		30
Acetone	**159**	Q	130		54-140	20		30
Carbon disulfide	110		97		59-130	13		30
2-Butanone	123		117		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305720

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600067-1 WG600067-2								
Vinyl acetate	107		99		70-130	8		30
4-Methyl-2-pentanone	109		102		70-130	7		30
1,2,3-Trichloropropane	90		83		68-130	8		30
2-Hexanone	104		93		70-130	11		30
Bromochloromethane	109		103		70-130	6		30
2,2-Dichloropropane	105		93		70-130	12		30
1,2-Dibromoethane	95		91		70-130	4		30
1,3-Dichloropropane	94		89		69-130	5		30
1,1,1,2-Tetrachloroethane	96		88		70-130	9		30
Bromobenzene	90		83		70-130	8		30
n-Butylbenzene	89		79		70-130	12		30
sec-Butylbenzene	89		79		70-130	12		30
tert-Butylbenzene	89		80		70-130	11		30
o-Chlorotoluene	88		80		70-130	10		30
p-Chlorotoluene	90		81		70-130	11		30
1,2-Dibromo-3-chloropropane	80		89		68-130	11		30
Hexachlorobutadiene	89		79		67-130	12		30
Isopropylbenzene	94		84		70-130	11		30
p-Isopropyltoluene	89		79		70-130	12		30
Naphthalene	90		84		70-130	7		30
Acrylonitrile	111		105		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305720

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600067-1 WG600067-2								
Isopropyl Ether	107		99		66-130	8		30
tert-Butyl Alcohol	96		95		70-130	1		30
n-Propylbenzene	88		79		70-130	11		30
1,2,3-Trichlorobenzene	90		82		70-130	9		30
1,2,4-Trichlorobenzene	90		83		70-130	8		30
1,3,5-Trimethylbenzene	90		81		70-130	11		30
1,2,4-Trimethylbenzene	89		81		70-130	9		30
Methyl Acetate	108		101		70-130	7		30
Ethyl Acetate	112		104		70-130	7		30
Acrolein	**66**	Q	**62**	Q	70-130	6		30
Cyclohexane	107		94		70-130	13		30
1,4-Dioxane	126		121		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	110		96		70-130	14		30
1,4-Diethylbenzene	108		96		70-130	12		30
4-Ethyltoluene	108		96		70-130	12		30
1,2,4,5-Tetramethylbenzene	108		97		70-130	11		30
Tetrahydrofuran	105		97		66-130	8		30
Ethyl ether	104		98		67-130	6		30
trans-1,4-Dichloro-2-butene	88		83		70-130	6		30
Methyl cyclohexane	107		94		70-130	13		30
Ethyl-Tert-Butyl-Ether	106		99		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305720

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600067-1 WG600067-2								
Tertiary-Amyl Methyl Ether	107		98		70-130	9		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		94		70-130
Toluene-d8	93		93		70-130
4-Bromofluorobenzene	97		96		70-130
Dibromofluoromethane	101		99		70-130

PCBS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305720

Project Number: Not Specified **Report Date:** 04/26/13

SAMPLE RESULTS

Lab ID:	L1305720-01	Date Collected:	04/03/13 13:40
Client ID:	P004015	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	04/04/13 10:09
Analytical Date:	04/12/13 10:27	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	04/05/13
Percent Solids:	71%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	04/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	22.2	4.38	1
Aroclor 1221	ND		ug/kg	22.2	6.69	1
Aroclor 1232	ND		ug/kg	22.2	4.71	1
Aroclor 1242	ND		ug/kg	22.2	4.21	1
Aroclor 1248	ND		ug/kg	22.2	2.68	1
Aroclor 1254	15.1	J	ug/kg	22.2	3.50	1
Aroclor 1260	ND		ug/kg	22.2	3.85	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	34		30-150
Decachlorobiphenyl	33		30-150
2,4,5,6-Tetrachloro-m-xylene	30		30-150
Decachlorobiphenyl	**29**	Q	30-150

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305720

Project Number: Not Specified **Report Date:** 04/26/13

SAMPLE RESULTS

Lab ID:	L1305720-02	Date Collected:	04/03/13 13:10
Client ID:	P005015	Date Received:	04/03/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	04/04/13 10:09
Analytical Date:	04/12/13 10:39	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	04/05/13
Percent Solids:	64%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	04/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	24.8	4.90	1
Aroclor 1221	ND		ug/kg	24.8	7.49	1
Aroclor 1232	ND		ug/kg	24.8	5.27	1
Aroclor 1242	ND		ug/kg	24.8	4.71	1
Aroclor 1248	ND		ug/kg	24.8	3.00	1
Aroclor 1254	126		ug/kg	24.8	3.91	1
Aroclor 1260	ND		ug/kg	24.8	4.31	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	63		30-150
Decachlorobiphenyl	64		30-150
2,4,5,6-Tetrachloro-m-xylene	78		30-150
Decachlorobiphenyl	82		30-150

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305720

Report Date: 04/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/05/13 16:31
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 04/04/13 10:09
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/05/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/05/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG599477-1					
Aroclor 1016	ND		ug/kg	16.2	3.21
Aroclor 1221	ND		ug/kg	16.2	4.90
Aroclor 1232	ND		ug/kg	16.2	3.45
Aroclor 1242	ND		ug/kg	16.2	3.08
Aroclor 1248	ND		ug/kg	16.2	1.97
Aroclor 1254	ND		ug/kg	16.2	2.56
Aroclor 1260	ND		ug/kg	16.2	2.82

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	86		30-150
Decachlorobiphenyl	89		30-150
2,4,5,6-Tetrachloro-m-xylene	81		30-150
Decachlorobiphenyl	90		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305720

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG599477-2 WG599477-3								
Aroclor 1016	73		79		40-140	8		50
Aroclor 1260	76		83		40-140	9		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	64		69		30-150
Decachlorobiphenyl	75		78		30-150
2,4,5,6-Tetrachloro-m-xylene	65		70		30-150
Decachlorobiphenyl	75		77		30-150

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305720
Project Number: Not Specified
Report Date: 04/26/13

SAMPLE RESULTS

Lab ID: L1305720-01
Client ID: P004015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 71%

Date Collected: 04/03/13 13:40
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Barium, Total	200		mg/kg	0.55	0.16	1	04/04/13 12:52	04/04/13 23:15	EPA 3050B	1,6010C	BM
Cadmium, Total	13		mg/kg	0.55	0.03	1	04/04/13 12:52	04/04/13 23:15	EPA 3050B	1,6010C	BM
Chromium, Total	260		mg/kg	0.55	0.11	1	04/04/13 12:52	04/04/13 23:15	EPA 3050B	1,6010C	BM
Copper, Total	58		mg/kg	0.55	0.27	1	04/04/13 12:52	04/04/13 23:15	EPA 3050B	1,6010C	BM
Lead, Total	170		mg/kg	2.7	0.16	1	04/04/13 12:52	04/04/13 23:15	EPA 3050B	1,6010C	BM
Mercury, Total	0.18		mg/kg	0.09	0.02	1	04/10/13 11:33	04/10/13 14:20	EPA 7471B	1,7471B	MC
Nickel, Total	37		mg/kg	1.4	0.22	1	04/04/13 12:52	04/04/13 23:15	EPA 3050B	1,6010C	BM
Selenium, Total	1.0	J	mg/kg	1.1	0.16	1	04/04/13 12:52	04/04/13 23:15	EPA 3050B	1,6010C	BM
Zinc, Total	130		mg/kg	2.7	0.27	1	04/04/13 12:52	04/04/13 23:15	EPA 3050B	1,6010C	BM

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305720
Project Number: Not Specified
Report Date: 04/26/13

SAMPLE RESULTS

Lab ID: L1305720-02
Client ID: P005015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 64%

Date Collected: 04/03/13 13:10
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Barium, Total	1200		mg/kg	0.60	0.18	1	04/04/13 12:52	04/04/13 23:27	EPA 3050B	1,6010C	BM
Cadmium, Total	76		mg/kg	0.60	0.04	1	04/04/13 12:52	04/04/13 23:27	EPA 3050B	1,6010C	BM
Chromium, Total	890		mg/kg	0.60	0.12	1	04/04/13 12:52	04/04/13 23:27	EPA 3050B	1,6010C	BM
Copper, Total	150		mg/kg	0.60	0.30	1	04/04/13 12:52	04/04/13 23:27	EPA 3050B	1,6010C	BM
Lead, Total	1600		mg/kg	3.0	0.18	1	04/04/13 12:52	04/04/13 23:27	EPA 3050B	1,6010C	BM
Mercury, Total	7.2		mg/kg	0.60	0.13	6	04/10/13 11:33	04/10/13 14:47	EPA 7471B	1,7471B	MC
Nickel, Total	17		mg/kg	1.5	0.24	1	04/04/13 12:52	04/04/13 23:27	EPA 3050B	1,6010C	BM
Selenium, Total	2.2		mg/kg	1.2	0.18	1	04/04/13 12:52	04/04/13 23:27	EPA 3050B	1,6010C	BM
Zinc, Total	130		mg/kg	3.0	0.30	1	04/04/13 12:52	04/04/13 23:27	EPA 3050B	1,6010C	BM

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305720

Project Number: Not Specified **Report Date:** 04/26/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG599523-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Barium, Total	0.18	J	mg/kg	0.40	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Copper, Total	ND		mg/kg	0.40	0.20	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Lead, Total	0.55	J	mg/kg	2.0	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Selenium, Total	0.12	J	mg/kg	0.80	0.12	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Silver, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM
Zinc, Total	0.39	J	mg/kg	2.0	0.20	1	04/04/13 12:52	04/04/13 23:01	1,6010C	BM

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG600659-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/10/13 11:33	04/10/13 14:16	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305720

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG599523-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Chromium, Total	97		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	98		-		80-120	-		
Nickel, Total	94		-		82-117	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	97		-		66-134	-		
Zinc, Total	100		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG600659-2 SRM Lot Number: 0518-10-02								
Mercury, Total	111		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305720
Report Date: 04/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599523-4 QC Sample: L1305720-01 Client ID: P004015												
Arsenic, Total	6.0	12.9	17	85		-	-		75-125	-		35
Barium, Total	200	214	370	79		-	-		75-125	-		35
Beryllium, Total	1.0	5.36	6.0	93		-	-		75-125	-		35
Cadmium, Total	13.	55	63	91		-	-		75-125	-		35
Chromium, Total	260	21.4	320	**280**	Q	-	-		75-125	-		35
Copper, Total	58.	26.8	86	104		-	-		75-125	-		35
Lead, Total	170	54.7	280	**201**	Q	-	-		75-125	-		35
Nickel, Total	37.	53.6	76	**73**	Q	-	-		75-125	-		35
Selenium, Total	1.0J	12.9	13	101		-	-		75-125	-		35
Silver, Total	0.20J	32.2	34	106		-	-		75-125	-		35
Zinc, Total	130	53.6	180	93		-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600659-4 QC Sample: L1305720-01 Client ID: P004015												
Mercury, Total	0.18	0.181	1.1	**507**	Q	-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305720
Report Date: 04/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599523-3 QC Sample: L1305720-01 Client ID: P004015						
Barium, Total	200	150	mg/kg	29		35
Cadmium, Total	13.	11	mg/kg	17		35
Chromium, Total	260	160	mg/kg	**48**	Q	35
Copper, Total	58.	48	mg/kg	19		35
Lead, Total	170	140	mg/kg	19		35
Nickel, Total	37.	27	mg/kg	31		35
Selenium, Total	1.0J	1.1	mg/kg	NC		35
Zinc, Total	130	120	mg/kg	8		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600659-3 QC Sample: L1305720-01 Client ID: P004015						
Mercury, Total	0.18	1.5	mg/kg	**157**	Q	35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305720
Report Date: 04/26/13

SAMPLE RESULTS

Lab ID: L1305720-01
Client ID: P004015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/03/13 13:40
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	71.4		%	0.100	NA	1	-	04/04/13 18:56	30,2540G	RD
Chromium, Hexavalent	ND		mg/kg	1.1	0.25	1	04/23/13 12:05	04/24/13 02:42	1,7196A	ST

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305720
Report Date: 04/26/13

SAMPLE RESULTS

Lab ID: L1305720-02
Client ID: P005015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/03/13 13:10
Date Received: 04/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	63.8		%	0.100	NA	1	-	04/04/13 18:56	30,2540G	RD
Chromium, Hexavalent	ND		mg/kg	1.2	0.28	1	04/23/13 12:05	04/24/13 02:43	1,7196A	ST

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305720

Project Number: Not Specified **Report Date:** 04/26/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG603313-1										
Chromium, Hexavalent	ND		mg/l	0.80	0.18	1	04/23/13 12:05	04/24/13 02:40	1,7196A	ST

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305720

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG603313-2								
Chromium, Hexavalent	95		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305720
Report Date: 04/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG603313-4 QC Sample: L1305881-01 Client ID: MS Sample												
Chromium, Hexavalent	ND	1380	1200	87		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305720
Report Date: 04/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599637-1 QC Sample: L1305720-01 Client ID: P004015						
Solids, Total	71.4	70.0	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG603313-6 QC Sample: L1305881-01 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305720
Report Date: 04/26/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 04/04/2013 05:20

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305720-01A	Vial MeOH preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305720-01B	Vial water preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305720-01C	Vial water preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305720-01D	Plastic 2oz unpreserved for TS	A	N/A	3.1	Y	Absent	TS(7)
L1305720-01E	Amber 120ml unpreserved	A	N/A	3.1	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1305720-01F	Amber 250ml unpreserved	A	N/A	3.1	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1305720-02A	Vial MeOH preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305720-02B	Vial water preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305720-02C	Vial water preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1305720-02D	Plastic 2oz unpreserved for TS	A	N/A	3.1	Y	Absent	TS(7)
L1305720-02E	Amber 120ml unpreserved	A	N/A	3.1	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305720
Report Date: 04/26/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305720-02F	Amber 250ml unpreserved	A	N/A	3.1	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305720
Project Number:	Not Specified	**Report Date:**	04/26/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305720
Project Number:	Not Specified	**Report Date:**	04/26/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305720
Project Number:	Not Specified	**Report Date:**	04/26/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

Serial_No:04261320:53

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL — World Class Chemistry

Westborough, MA — TEL: 508-898-9220 — FAX: 508-898-9193

Mansfield, MA — TEL: 508-822-9300 — FAX: 508-822-3288

Date Rec'd in Lab: 4/4/13

ALPHA Job #: L1305720

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/10/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Detection limits to meet NYSDEC Part 375 Requirements (Unrestricted)
Find %Moisture of each aliquot and calculate average for use as %Moisture of associated composite sample

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs-See attached list	Hexavalent Chromium-Hold	Cyanide-Hold	Metals-See attached list-Hold	PCBs-Hold	SVOCs-See attached list-Hold							Sample Specific Comments	TOTAL # BOTTLES
05720-01	P004015	4/3	~~815~~ 1340	S	SK	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		
-02	P005015	4/3	1310	S	SK	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		

SAMPLE HANDLING

Filtration
☐ Done
☐ Not Needed
☐ Lab to do

Preservation
☒ Lab to do

(Please specify below)

Container Type	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/3 1600	Kyle Cunningham	4/3/13 1600
Kyle Cunningham	4/3/13 2200	[signature]	4/3/13 2200
[signature]	4/3/13 0050	[signature]	4/4/13 0050

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 5-JAN-12)

ANALYTICAL REPORT

Lab Number:	L1305595
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/10/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305595
Report Date: 04/10/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305595-01	E007E006	GLENS FALLS NEW YORK	04/01/13 17:10

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305595
Project Number: Not Specified **Report Date:** 04/10/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305595
Project Number: Not Specified **Report Date:** 04/10/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

At the client's request, the sample was analyzed for all listed analyses, with the exception of PCBs.

The sample collection time was taken from the discreet sample L1305594-01.

Solids, Total

L1305595-01: The average result from the original samples is reported; the Duplicate was performed with original batch.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 04/10/13

ORGANICS

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305595

Project Number: Not Specified **Report Date:** 04/10/13

SAMPLE RESULTS

Lab ID:	L1305595-01	Date Collected:	04/01/13 17:10
Client ID:	E007E006	Date Received:	04/02/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/03/13 07:50
Analytical Date:	04/09/13 23:07		
Analyst:	JB		
Percent Solids:	76%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	57.	1
Dimethyl phthalate	ND		ug/kg	220	55.	1
Benzo(a)anthracene	ND		ug/kg	130	42.	1
Benzo(a)pyrene	ND		ug/kg	170	53.	1
Benzo(b)fluoranthene	ND		ug/kg	130	44.	1
Benzo(k)fluoranthene	ND		ug/kg	130	41.	1
Chrysene	ND		ug/kg	130	43.	1
Fluorene	ND		ug/kg	220	62.	1
Phenanthrene	ND		ug/kg	130	42.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	42.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	48.	1
2-Chlorophenol	ND		ug/kg	220	66.	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	220	64.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	71.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	95		25-120
Phenol-d6	102		10-120
Nitrobenzene-d5	105		23-120
2-Fluorobiphenyl	104		30-120
2,4,6-Tribromophenol	136		0-136
4-Terphenyl-d14	111		18-120

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305595
Report Date: 04/10/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/08/13 22:14
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 04/03/13 07:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG599139-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	83	22.
Dimethyl phthalate	ND		ug/kg	83	21.
Benzo(a)anthracene	ND		ug/kg	50	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	50	17.
Benzo(k)fluoranthene	ND		ug/kg	50	16.
Chrysene	ND		ug/kg	50	16.
Fluorene	ND		ug/kg	83	24.
Phenanthrene	ND		ug/kg	50	16.
Dibenzo(a,h)anthracene	ND		ug/kg	50	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	83	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	83	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	47		30-120
2,4,6-Tribromophenol	48		0-136
4-Terphenyl-d14	51		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305595

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599139-2 WG599139-3								
Acenaphthene	61		58		31-137	5		50
1,2,4-Trichlorobenzene	61		49		38-107	22		50
Hexachlorobenzene	68		74		40-140	8		50
Bis(2-chloroethyl)ether	56		44		40-140	24		50
2-Chloronaphthalene	68		61		40-140	11		50
1,2-Dichlorobenzene	61		48		40-140	24		50
1,3-Dichlorobenzene	58		45		40-140	25		50
1,4-Dichlorobenzene	59		46		28-104	25		50
3,3'-Dichlorobenzidine	**35**	Q	47		40-140	29		50
2,4-Dinitrotoluene	76		85		28-89	11		50
2,6-Dinitrotoluene	73		78		40-140	7		50
Fluoranthene	70		74		40-140	6		50
4-Chlorophenyl phenyl ether	67		69		40-140	3		50
4-Bromophenyl phenyl ether	71		75		40-140	5		50
Bis(2-chloroisopropyl)ether	54		44		40-140	20		50
Bis(2-chloroethoxy)methane	61		53		40-117	14		50
Hexachlorobutadiene	63		50		40-140	23		50
Hexachlorocyclopentadiene	47		42		40-140	11		50
Hexachloroethane	58		44		40-140	27		50
Isophorone	60		54		40-140	11		50
Naphthalene	60		49		40-140	20		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305595

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599139-2 WG599139-3								
Nitrobenzene	60		49		40-140	20		50
NitrosoDiPhenylAmine(NDPA)/DPA	67		72			7		50
n-Nitrosodi-n-propylamine	57		49		32-121	15		50
Bis(2-Ethylhexyl)phthalate	65		70		40-140	7		50
Butyl benzyl phthalate	70		76		40-140	8		50
Di-n-butylphthalate	69		75		40-140	8		50
Di-n-octylphthalate	69		76		40-140	10		50
Diethyl phthalate	65		71		40-140	9		50
Dimethyl phthalate	64		68		40-140	6		50
Benzo(a)anthracene	66		70		40-140	6		50
Benzo(a)pyrene	69		72		40-140	4		50
Benzo(b)fluoranthene	72		76		40-140	5		50
Benzo(k)fluoranthene	65		67		40-140	3		50
Chrysene	64		67		40-140	5		50
Acenaphthylene	69		66		40-140	4		50
Anthracene	66		70		40-140	6		50
Benzo(ghi)perylene	68		68		40-140	0		50
Fluorene	67		69		40-140	3		50
Phenanthrene	64		67		40-140	5		50
Dibenzo(a,h)anthracene	71		74		40-140	4		50
Indeno(1,2,3-cd)Pyrene	70		71		40-140	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305595

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599139-2 WG599139-3								
Pyrene	69		73		35-142	6		50
Biphenyl	62		57			8		50
4-Chloroaniline	**18**	Q	**29**	Q	40-140	47		50
2-Nitroaniline	75		81		47-134	8		50
3-Nitroaniline	35		50		26-129	35		50
4-Nitroaniline	70		78		41-125	11		50
Dibenzofuran	64		64		40-140	0		50
2-Methylnaphthalene	64		55		40-140	15		50
1,2,4,5-Tetrachlorobenzene	64		55		40-117	15		50
Acetophenone	66		57		14-144	15		50
2,4,6-Trichlorophenol	76		74		30-130	3		50
P-Chloro-M-Cresol	71		72		26-103	1		50
2-Chlorophenol	65		53		25-102	20		50
2,4-Dichlorophenol	74		65		30-130	13		50
2,4-Dimethylphenol	66		59		30-130	11		50
2-Nitrophenol	66		57		30-130	15		50
4-Nitrophenol	75		84		11-114	11		50
2,4-Dinitrophenol	52		68		4-130	27		50
4,6-Dinitro-o-cresol	71		83		10-130	16		50
Pentachlorophenol	66		76		17-109	14		50
Phenol	66		57		26-90	15		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305595

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599139-2 WG599139-3								
2-Methylphenol	66		56		30-130.	16		50
3-Methylphenol/4-Methylphenol	65		58		30-130	11		50
2,4,5-Trichlorophenol	79		80		30-130	1		50
Benzoic Acid	14		29			**70**	Q	50
Benzyl Alcohol	65		56		40-140	15		50
Carbazole	67		72		54-128	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		52		25-120
Phenol-d6	69		56		10-120
Nitrobenzene-d5	64		52		23-120
2-Fluorobiphenyl	72		64		30-120
2,4,6-Tribromophenol	80		83		0-136
4-Terphenyl-d14	77		80		18-120

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305595
Project Number: Not Specified
Report Date: 04/10/13

SAMPLE RESULTS

Lab ID: L1305595-01
Client ID: E007E006
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 76%

Date Collected: 04/01/13 17:10
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	3.0		mg/kg	0.52	0.16	2	04/05/13 14:02	04/09/13 18:24	EPA 3050B	1,6010C	MS
Barium, Total	48		mg/kg	0.52	0.16	2	04/05/13 14:02	04/09/13 18:24	EPA 3050B	1,6010C	MS
Beryllium, Total	0.44		mg/kg	0.26	0.02	2	04/05/13 14:02	04/09/13 18:24	EPA 3050B	1,6010C	MS
Cadmium, Total	0.85		mg/kg	0.52	0.03	2	04/05/13 14:02	04/09/13 18:24	EPA 3050B	1,6010C	MS
Chromium, Total	30		mg/kg	0.52	0.10	2	04/05/13 14:02	04/09/13 18:24	EPA 3050B	1,6010C	MS
Copper, Total	10		mg/kg	0.52	0.26	2	04/05/13 14:02	04/09/13 18:24	EPA 3050B	1,6010C	MS
Lead, Total	23		mg/kg	2.6	0.16	2	04/05/13 14:02	04/09/13 18:24	EPA 3050B	1,6010C	MS
Mercury, Total	0.15		mg/kg	0.10	0.02	2	04/09/13 12:10	04/09/13 15:18	EPA 7471B	1,7471B	MC
Nickel, Total	10		mg/kg	1.3	0.21	2	04/05/13 14:02	04/09/13 18:24	EPA 3050B	1,6010C	MS
Selenium, Total	0.66	J	mg/kg	1.0	0.16	2	04/05/13 14:02	04/09/13 18:24	EPA 3050B	1,6010C	MS
Silver, Total	ND		mg/kg	0.52	0.10	2	04/05/13 14:02	04/09/13 18:24	EPA 3050B	1,6010C	MS
Zinc, Total	39		mg/kg	2.6	0.26	2	04/05/13 14:02	04/09/13 18:24	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305595

Project Number: Not Specified **Report Date:** 04/10/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG599875-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Barium, Total	ND		mg/kg	0.40	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Copper, Total	ND		mg/kg	0.40	0.20	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Lead, Total	ND		mg/kg	2.0	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Silver, Total	ND		mg/kg	0.40	0.08	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Zinc, Total	ND		mg/kg	2.0	0.20	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG600216-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/09/13 12:10	04/09/13 15:14	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305595

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG599875-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	96		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Chromium, Total	101		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	101		-		80-120	-		
Nickel, Total	99		-		82-117	-		
Selenium, Total	98		-		80-120	-		
Silver, Total	98		-		66-134	-		
Zinc, Total	103		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG600216-2 SRM Lot Number: 0518-10-02								
Mercury, Total	124		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305595
Report Date: 04/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599875-4 QC Sample: L1305558-01 Client ID: MS Sample												
Arsenic, Total	8.5	14.7	29	**139**	Q	-	-		75-125	-		35
Barium, Total	370	246	620	102		-	-		75-125	-		35
Beryllium, Total	1.8	6.14	9.2	120		-	-		75-125	-		35
Cadmium, Total	0.52J	6.27	68	108		-	-		75-125	-		35
Chromium, Total	36.	24.6	68	**130**	Q	-	-		75-125	-		35
Copper, Total	10.	30.7	50	**130**	Q	-	-		75-125	-		35
Lead, Total	14.	62.7	95	**129**	Q	-	-		75-125	-		35
Nickel, Total	24.	61.4	91	109		-	-		75-125	-		35
Selenium, Total	5.6	14.7	24	125		-	-		75-125	-		35
Silver, Total	0.37J	36.9	49	**133**	Q	-	-		75-125	-		35
Zinc, Total	130	61.4	210	**130**	Q	-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600216-4 QC Sample: L1305665-09 Client ID: MS Sample												
Mercury, Total	0.10	0.199	0.30	101		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305595
Report Date: 04/10/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599875-3 QC Sample: L1305558-01 Client ID: DUP Sample						
Arsenic, Total	8.5	9.8	mg/kg	14		35
Barium, Total	370	410	mg/kg	10		35
Beryllium, Total	1.8	2.2	mg/kg	20		35
Cadmium, Total	0.52J	1.2J	mg/kg	NC		35
Chromium, Total	36.	50	mg/kg	33		35
Copper, Total	10.	14	mg/kg	33		35
Lead, Total	14.	19	mg/kg	30		35
Nickel, Total	24.	32	mg/kg	29		35
Selenium, Total	5.6	7.1	mg/kg	24		35
Silver, Total	0.37J	0.41J	mg/kg	NC		35
Zinc, Total	130	170	mg/kg	27		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600216-3 QC Sample: L1305665-09 Client ID: DUP Sample						
Mercury, Total	0.10	0.11	mg/kg	10		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305595
Report Date: 04/10/13

SAMPLE RESULTS

Lab ID: L1305595-01
Client ID: E007E006
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/01/13 17:10
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.7		%	0.100	NA	1	-	04/03/13 19:35	30,2540G	RD
Cyanide, Total	ND		mg/kg	1.2	0.29	2	04/03/13 13:00	04/04/13 16:26	1,9010C/9012A	JO

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305595

Project Number: Not Specified **Report Date:** 04/10/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG599328-1										
Cyanide, Total	ND		mg/kg	0.99	0.23	1	04/03/13 13:00	04/04/13 16:02	1,9010C/9012A	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305595

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG599328-4 WG599328-5								
Cyanide, Total	109		109		80-120	0		35

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305595
Report Date: 04/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599328-3 WG599328-2 QC Sample: L1305611-22 Client ID: MS Sample												
Cyanide, Total	ND	10	11	110		11	110		65-135	0		35

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GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

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Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

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REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
World Class Chemistry

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab: 4/2/13

ALPHA Job #: L1305595

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/9/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Extract/Digest Sample E007015 and Sample E006015.
Composite and analyze Extract/Digestate as Sample inidicated below.
Detection limits to meet NYSDEC Part 375 Requirements (0.5 x Unrestricted)
Use average of associated aliquot %Moisture for result calculations

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cyanide	Metals-See attached list (no Cr6+)	PCBs	SVOCs-See attached list									Sample Specific Comments	TOTAL # BOTTLES
05595-1	E007E006	4/1		S	RH	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
					Container Type	-	-	-	-	-	-	-	-	-	-	-	-		
					Preservative	-	-	-	-	-	-	-	-	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/2 1210	Robert Harris	4/2/13 1210
Robert Harris	4/2/13 2235	[signature]	4/2/13 2335

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ)
(rev. 5-JAN-12)

JOB: L1305594 REPORT STYLE: Data Usability Report
001: Cover & Signature Pages - OK
006: Narrative Page(s) - OK
010: Cover Page - OK
011: Volatiles Sample Results - OK
012: Volatiles Blank Report - OK
013: Volatiles LCS Report - OK
018: Cover Page - OK
020: Semivolatiles Blank Report - OK
021: Semivolatiles LCS Report - OK
100: Metals Sample Results - OK
101: Metals Blank Report - OK
102: Metals LCS Report - OK
104: Metals Matrix Spike Report - OK
105: Metals Duplicate Report - OK
118: Cover Page - OK
120: Wet Chemistry Sample Results - OK
125: Wet Chemistry Duplicate Report - OK
510: Container Report - OK
520: Glossary - OK
540: Reference Report - OK

No results found for sample L1305594-01 for product AG-TI
No results found for sample L1305594-01 for product AS-TI
No results found for sample L1305594-01 for product BA-TI
No results found for sample L1305594-01 for product BE-TI
No results found for sample L1305594-01 for product CD-TI
No results found for sample L1305594-01 for product CU-TI
No results found for sample L1305594-01 for product NI-TI
No results found for sample L1305594-01 for product NYTCL-8270
No results found for sample L1305594-01 for product PB-TI
No results found for sample L1305594-01 for product SE-TI
No results found for sample L1305594-01 for product TCN-9010
No results found for sample L1305594-01 for product ZN-TI
No results found for sample L1305594-02 for product AG-TI
No results found for sample L1305594-02 for product AS-TI
No results found for sample L1305594-02 for product BA-TI
No results found for sample L1305594-02 for product BE-TI
No results found for sample L1305594-02 for product CD-TI
No results found for sample L1305594-02 for product CU-TI
No results found for sample L1305594-02 for product NI-TI
No results found for sample L1305594-02 for product NYTCL-8270
No results found for sample L1305594-02 for product PB-TI
No results found for sample L1305594-02 for product SE-TI

No results found for sample L1305594-02 for product TCN-9010
No results found for sample L1305594-02 for product ZN-TI

ANALYTICAL REPORT

Lab Number:	L1305594
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/17/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305594
Report Date: 04/17/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305594-01	E006015	GLENS FALLS NEW YORK	04/01/13 17:10
L1305594-02	E007015	GLENS FALLS NEW YORK	04/01/13 16:55

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305594
Project Number: Not Specified **Report Date:** 04/17/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305594
Project Number:	Not Specified	**Report Date:**	04/17/13

Case Narrative (continued)

Report Submission

This partial report replaces the partial report issued on April 9, 2013. At the client's request, the samples were additionally analyzed for Total Chromium and Mercury. A final report will be issued as soon as the results of all requested analyses become available.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 04/17/13

ORGANICS

VOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305594

Project Number: Not Specified **Report Date:** 04/17/13

SAMPLE RESULTS

Lab ID:	L1305594-01	Date Collected:	04/01/13 17:10
Client ID:	E006015	Date Received:	04/02/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/04/13 16:44		
Analyst:	BN		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	2.2	0.54	1
Carbon tetrachloride	ND		ug/kg	1.4	0.30	1
Chlorobenzene	ND		ug/kg	1.4	0.50	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.21	1
Benzene	ND		ug/kg	1.4	0.17	1
Toluene	ND		ug/kg	2.2	0.16	1
Ethylbenzene	ND		ug/kg	1.4	0.21	1
Chloromethane	ND		ug/kg	7.2	1.1	1
Vinyl chloride	ND		ug/kg	2.9	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.31	1
Trichloroethene	ND		ug/kg	1.4	0.22	1
1,2-Dichlorobenzene	ND		ug/kg	7.2	0.26	1
1,3-Dichlorobenzene	ND		ug/kg	7.2	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	7.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.22	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	100		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305594

Project Number: Not Specified **Report Date:** 04/17/13

SAMPLE RESULTS

Lab ID:	L1305594-02	Date Collected:	04/01/13 16:55
Client ID:	E007015	Date Received:	04/02/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/04/13 17:12		
Analyst:	BN		
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.2	0.82	1
Vinyl chloride	ND		ug/kg	2.1	0.15	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.16	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	101		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305594

Project Number: Not Specified **Report Date:** 04/17/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/04/13 08:14
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG599663-3					
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Vinyl chloride	ND		ug/kg	2.0	0.14
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305594

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599663-1 WG599663-2								
Methylene chloride	92		96		70-130	4		30
1,1-Dichloroethane	96		95		70-130	1		30
Chloroform	94		96		70-130	2		30
Carbon tetrachloride	87		87		70-130	0		30
1,2-Dichloropropane	97		99		70-130	2		30
Dibromochloromethane	93		99		70-130	6		30
2-Chloroethylvinyl ether	97		99			2		30
1,1,2-Trichloroethane	103		108		70-130	5		30
Tetrachloroethene	96		95		70-130	1		30
Chlorobenzene	100		100		70-130	0		30
Trichlorofluoromethane	92		90		70-139	2		30
1,2-Dichloroethane	96		100		70-130	4		30
1,1,1-Trichloroethane	90		90		70-130	0		30
Bromodichloromethane	95		97		70-130	2		30
trans-1,3-Dichloropropene	104		106		70-130	2		30
cis-1,3-Dichloropropene	96		97		70-130	1		30
1,1-Dichloropropene	91		92		70-130	1		30
Bromoform	95		99		70-130	4		30
1,1,2,2-Tetrachloroethane	104		111		70-130	7		30
Benzene	92		93		70-130	1		30
Toluene	101		103		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305594

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599663-1 WG599663-2								
Ethylbenzene	102		102		70-130	0		30
Chloromethane	120		119		52-130	1		30
Bromomethane	116		112		57-147	4		30
Vinyl chloride	107		103		67-130	4		30
Chloroethane	101		100		50-151	1		30
1,1-Dichloroethene	89		89		65-135	0		30
trans-1,2-Dichloroethene	88		88		70-130	0		30
Trichloroethene	94		92		70-130	2		30
1,2-Dichlorobenzene	100		101		70-130	1		30
1,3-Dichlorobenzene	103		101		70-130	2		30
1,4-Dichlorobenzene	103		102		70-130	1		30
Methyl tert butyl ether	84		90		66-130	7		30
p/m-Xylene	100		100		70-130	0		30
o-Xylene	98		100		70-130	2		30
cis-1,2-Dichloroethene	89		90		70-130	1		30
Dibromomethane	94		98		70-130	4		30
Styrene	102		102		70-130	0		30
Dichlorodifluoromethane	120		115		30-146	4		30
Acetone	135		124		54-140	8		30
Carbon disulfide	89		87		59-130	2		30
2-Butanone	115		117		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305594

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599663-1 WG599663-2								
Vinyl acetate	96		102		70-130	6		30
4-Methyl-2-pentanone	80		91		70-130	13		30
1,2,3-Trichloropropane	108		114		68-130	5		30
2-Hexanone	109		114		70-130	4		30
Bromochloromethane	92		92		70-130	0		30
2,2-Dichloropropane	94		94		70-130	0		30
1,2-Dibromoethane	95		100		70-130	5		30
1,3-Dichloropropane	102		106		69-130	4		30
1,1,1,2-Tetrachloroethane	98		99		70-130	1		30
Bromobenzene	100		99		70-130	1		30
n-Butylbenzene	112		110		70-130	2		30
sec-Butylbenzene	106		105		70-130	1		30
tert-Butylbenzene	102		101		70-130	1		30
o-Chlorotoluene	104		113		70-130	8		30
p-Chlorotoluene	110		109		70-130	1		30
1,2-Dibromo-3-chloropropane	100		109		68-130	9		30
Hexachlorobutadiene	106		103		67-130	3		30
Isopropylbenzene	103		101		70-130	2		30
p-Isopropyltoluene	104		102		70-130	2		30
Naphthalene	89		96		70-130	8		30
Acrylonitrile	92		100		70-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305594

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599663-1 WG599663-2								
Isopropyl Ether	98		100		66-130	2		30
tert-Butyl Alcohol	88		103		70-130	16		30
n-Propylbenzene	108		106		70-130	2		30
1,2,3-Trichlorobenzene	97		100		70-130	3		30
1,2,4-Trichlorobenzene	98		100		70-130	2		30
1,3,5-Trimethylbenzene	108		106		70-130	2		30
1,2,4-Trimethylbenzene	107		106		70-130	1		30
Methyl Acetate	93		104		70-130	11		30
Ethyl Acetate	94		106		70-130	12		30
Acrolein	93		102		70-130	9		30
Cyclohexane	96		97		70-130	1		30
1,4-Dioxane	78		88		65-136	12		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	94		91		70-130	3		30
1,4-Diethylbenzene	105		104		70-130	1		30
4-Ethyltoluene	107		105		70-130	2		30
1,2,4,5-Tetramethylbenzene	102		101		70-130	1		30
Tetrahydrofuran	88		105		66-130	18		30
Ethyl ether	79		87		67-130	10		30
trans-1,4-Dichloro-2-butene	122		129		70-130	6		30
Methyl cyclohexane	92		91		70-130	1		30
Ethyl-Tert-Butyl-Ether	92		95		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305594

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599663-1 WG599663-2								
Tertiary-Amyl Methyl Ether	87		91		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		112		70-130
Toluene-d8	109		109		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	98		98		70-130

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305594
Report Date: 04/17/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/08/13 22:14
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 04/03/13 07:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG599139-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	83	22.
Dimethyl phthalate	ND		ug/kg	83	21.
Benzo(a)anthracene	ND		ug/kg	50	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	50	17.
Benzo(k)fluoranthene	ND		ug/kg	50	16.
Chrysene	ND		ug/kg	50	16.
Fluorene	ND		ug/kg	83	24.
Phenanthrene	ND		ug/kg	50	16.
Dibenzo(a,h)anthracene	ND		ug/kg	50	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	83	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	83	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	47		30-120
2,4,6-Tribromophenol	48		0-136
4-Terphenyl-d14	51		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305594

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599139-2 WG599139-3								
Acenaphthene	61		58		31-137	5		50
1,2,4-Trichlorobenzene	61		49		38-107	22		50
Hexachlorobenzene	68		74		40-140	8		50
Bis(2-chloroethyl)ether	56		44		40-140	24		50
2-Chloronaphthalene	68		61		40-140	11		50
1,2-Dichlorobenzene	61		48		40-140	24		50
1,3-Dichlorobenzene	58		45		40-140	25		50
1,4-Dichlorobenzene	59		46		28-104	25		50
3,3'-Dichlorobenzidine	**35**	Q	47		40-140	29		50
2,4-Dinitrotoluene	76		85		28-89	11		50
2,6-Dinitrotoluene	73		78		40-140	7		50
Fluoranthene	70		74		40-140	6		50
4-Chlorophenyl phenyl ether	67		69		40-140	3		50
4-Bromophenyl phenyl ether	71		75		40-140	5		50
Bis(2-chloroisopropyl)ether	54		44		40-140	20		50
Bis(2-chloroethoxy)methane	61		53		40-117	14		50
Hexachlorobutadiene	63		50		40-140	23		50
Hexachlorocyclopentadiene	47		42		40-140	11		50
Hexachloroethane	58		44		40-140	27		50
Isophorone	60		54		40-140	11		50
Naphthalene	60		49		40-140	20		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305594

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599139-2 WG599139-3								
Nitrobenzene	60		49		40-140	20		50
NitrosoDiPhenylAmine(NDPA)/DPA	67		72			7		50
n-Nitrosodi-n-propylamine	57		49		32-121	15		50
Bis(2-Ethylhexyl)phthalate	65		70		40-140	7		50
Butyl benzyl phthalate	70		76		40-140	8		50
Di-n-butylphthalate	69		75		40-140	8		50
Di-n-octylphthalate	69		76		40-140	10		50
Diethyl phthalate	65		71		40-140	9		50
Dimethyl phthalate	64		68		40-140	6		50
Benzo(a)anthracene	66		70		40-140	6		50
Benzo(a)pyrene	69		72		40-140	4		50
Benzo(b)fluoranthene	72		76		40-140	5		50
Benzo(k)fluoranthene	65		67		40-140	3		50
Chrysene	64		67		40-140	5		50
Acenaphthylene	69		66		40-140	4		50
Anthracene	66		70		40-140	6		50
Benzo(ghi)perylene	68		68		40-140	0		50
Fluorene	67		69		40-140	3		50
Phenanthrene	64		67		40-140	5		50
Dibenzo(a,h)anthracene	71		74		40-140	4		50
Indeno(1,2,3-cd)Pyrene	70		71		40-140	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305594

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599139-2 WG599139-3								
Pyrene	69		73		35-142	6		50
Biphenyl	62		57			8		50
4-Chloroaniline	**18**	Q	**29**	Q	40-140	47		50
2-Nitroaniline	75		81		47-134	8		50
3-Nitroaniline	35		50		26-129	35		50
4-Nitroaniline	70		78		41-125	11		50
Dibenzofuran	64		64		40-140	0		50
2-Methylnaphthalene	64		55		40-140	15		50
1,2,4,5-Tetrachlorobenzene	64		55		40-117	15		50
Acetophenone	66		57		14-144	15		50
2,4,6-Trichlorophenol	76		74		30-130	3		50
P-Chloro-M-Cresol	71		72		26-103	1		50
2-Chlorophenol	65		53		25-102	20		50
2,4-Dichlorophenol	74		65		30-130	13		50
2,4-Dimethylphenol	66		59		30-130	11		50
2-Nitrophenol	66		57		30-130	15		50
4-Nitrophenol	75		84		11-114	11		50
2,4-Dinitrophenol	52		68		4-130	27		50
4,6-Dinitro-o-cresol	71		83		10-130	16		50
Pentachlorophenol	66		76		17-109	14		50
Phenol	66		57		26-90	15		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305594

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599139-2 WG599139-3								
2-Methylphenol	66		56		30-130.	16		50
3-Methylphenol/4-Methylphenol	65		58		30-130	11		50
2,4,5-Trichlorophenol	79		80		30-130	1		50
Benzoic Acid	14		29			**70**	Q	50
Benzyl Alcohol	65		56		40-140	15		50
Carbazole	67		72		54-128	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		52		25-120
Phenol-d6	69		56		10-120
Nitrobenzene-d5	64		52		23-120
2-Fluorobiphenyl	72		64		30-120
2,4,6-Tribromophenol	80		83		0-136
4-Terphenyl-d14	77		80		18-120

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305594
Project Number: Not Specified
Report Date: 04/17/13

SAMPLE RESULTS

Lab ID: L1305594-01
Client ID: E006015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 72%

Date Collected: 04/01/13 17:10
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	49		mg/kg	0.55	0.11	1	04/05/13 14:20	04/08/13 17:00	EPA 3050B	1,6010C	MS
Mercury, Total	0.31		mg/kg	0.10	0.02	1	04/09/13 08:33	04/09/13 12:16	EPA 7471B	1,7471B	MC

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305594
Project Number: Not Specified
Report Date: 04/17/13

SAMPLE RESULTS

Lab ID: L1305594-02
Client ID: E007015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 80%

Date Collected: 04/01/13 16:55
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	11		mg/kg	0.49	0.10	1	04/05/13 14:20	04/08/13 17:02	EPA 3050B	1,6010C	MS
Mercury, Total	0.03	J	mg/kg	0.10	0.02	1	04/09/13 08:33	04/09/13 12:18	EPA 7471B	1,7471B	MC

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305594

Project Number: Not Specified **Report Date:** 04/17/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG599875-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Barium, Total	ND		mg/kg	0.40	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Copper, Total	ND		mg/kg	0.40	0.20	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Lead, Total	ND		mg/kg	2.0	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Silver, Total	ND		mg/kg	0.40	0.08	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Zinc, Total	ND		mg/kg	2.0	0.20	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG600212-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/09/13 08:33	04/09/13 11:28	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305594

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG599875-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	96		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Chromium, Total	101		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	101		-		80-120	-		
Nickel, Total	99		-		82-117	-		
Selenium, Total	98		-		80-120	-		
Silver, Total	98		-		66-134	-		
Zinc, Total	103		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG600212-2 SRM Lot Number: 0518-10-02								
Mercury, Total	108		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305594
Report Date: 04/17/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599875-4 QC Sample: L1305558-01 Client ID: MS Sample												
Arsenic, Total	8.5	14.7	29	**139**	Q	-	-		75-125	-		35
Barium, Total	370	246	620	102		-	-		75-125	-		35
Beryllium, Total	1.8	6.14	9.2	120		-	-		75-125	-		35
Cadmium, Total	0.52J	6.27	68	108		-	-		75-125	-		35
Chromium, Total	36.	24.6	68	**130**	Q	-	-		75-125	-		35
Copper, Total	10.	30.7	50	**130**	Q	-	-		75-125	-		35
Lead, Total	14.	62.7	95	**129**	Q	-	-		75-125	-		35
Nickel, Total	24.	61.4	91	109		-	-		75-125	-		35
Selenium, Total	5.6	14.7	24	125		-	-		75-125	-		35
Silver, Total	0.37J	36.9	49	**133**	Q	-	-		75-125	-		35
Zinc, Total	130	61.4	210	**130**	Q	-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600212-4 QC Sample: L1305558-01 Client ID: MS Sample												
Mercury, Total	0.07J	0.254	0.31	122		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305594
Report Date: 04/17/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599875-3 QC Sample: L1305558-01 Client ID: DUP Sample						
Barium, Total	370	410	mg/kg	10		35
Chromium, Total	36.	50	mg/kg	33		35
Zinc, Total	130	170	mg/kg	27		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600212-3 QC Sample: L1305558-01 Client ID: DUP Sample						
Mercury, Total	0.07J	0.04J	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305594
Report Date: 04/17/13

SAMPLE RESULTS

Lab ID: L1305594-01
Client ID: E006015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/01/13 17:10
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	71.9		%	0.100	NA	1	-	04/03/13 19:35	30,2540G	RD

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305594
Report Date: 04/17/13

SAMPLE RESULTS

Lab ID: L1305594-02
Client ID: E007015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/01/13 16:55
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.5		%	0.100	NA	1	-	04/03/13 19:35	30,2540G	RD

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305594
Report Date: 04/17/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599356-1 QC Sample: L1305527-01 Client ID: DUP Sample						
Solids, Total	86.3	85.8	%	1		20

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305594
Report Date: 04/17/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 04/03/2013 00:06

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305594-01A	Vial MeOH preserved	A	N/A	3.0	Y	Absent	NYTCL-8260HLW(14)
L1305594-01B	Vial water preserved	A	N/A	3.0	Y	Absent	NYTCL-8260HLW(14)
L1305594-01C	Vial water preserved	A	N/A	3.0	Y	Absent	NYTCL-8260HLW(14)
L1305594-01D	Plastic 2oz unpreserved for TS	A	N/A	3.0	Y	Absent	TS(7)
L1305594-01E	Amber 120ml unpreserved	A	N/A	3.0	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305594-01F	Amber 250ml unpreserved	A	N/A	3.0	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305594-02A	Vial MeOH preserved	A	N/A	3.0	Y	Absent	NYTCL-8260HLW(14)
L1305594-02B	Vial water preserved	A	N/A	3.0	Y	Absent	NYTCL-8260HLW(14)
L1305594-02C	Vial water preserved	A	N/A	3.0	Y	Absent	NYTCL-8260HLW(14)
L1305594-02D	Plastic 2oz unpreserved for TS	A	N/A	3.0	Y	Absent	TS(7)
L1305594-02E	Amber 120ml unpreserved	A	N/A	3.0	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305594
Report Date: 04/17/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305594-02F	Amber 250ml unpreserved	A	N/A	3.0	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305594
Project Number:	Not Specified	**Report Date:**	04/17/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305594
Project Number:	Not Specified	**Report Date:**	04/17/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305594
Project Number:	Not Specified	**Report Date:**	04/17/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL World Class Chemistry

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/2/13 ALPHA Job #: L1305594

Project Information

Project Name: BASF Glens Falls New York
Project Location: Glens Falls New York
Project #:
Project Manager: P. Malmquist
ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions
Address: 4327 Pt Pleasant Pk (PO Box 410)
Danboro, PA 18916
Phone: 215-230-8282
Fax: 215-230-8283
Email: pmalmquist@amoed.com
☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)
Due Date: 4/9/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:
Detection limits to meet NYSDEC Part 375 Requirements (Unrestricted)
Find %Moisture of each aliquot and calculate average for use as %Moisture of associated composite sample

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs-See attached list	Hexavalent Chromium-Hold	Cyanide-Hold	Metals-See attached list-Hold	PCBs-Hold	SVOCs-See atached list-Hold							Sample Specific Comments
05594-1	E006015	4/1	1710	S	[illegible]	☒	☒	☒	☐	☒	☒	☐	☐	☐	☐	☐	☐	
2	E007015	4/1	1655	S	[illegible]	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐	

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

TOTAL # BOTTLES

Container Type: - - - - - - - - - - - -
Preservative: - - - - - - - - - - - -

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/2 1210	Robert Hanes	4/2/13 1210
Robert Hanes	4/2/13 2335	[signature]	4/2/13 2335

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 5-JAN-12)

ANALYTICAL REPORT

Lab Number:	L1305593
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/10/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305593
Report Date: 04/10/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305593-01	E014E013	GLENS FALLS NEW YORK	04/01/13 16:40

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305593
Project Number: Not Specified **Report Date:** 04/10/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305593
Project Number:	Not Specified	**Report Date:**	04/10/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

At the client's request, the sample was not analyzed for PCBs.

The sample collection time was taken from the discreet sample L1305592-02.

Solids, Total

L1305592-01: The average result from the original samples is reported; the Duplicate was performed with original batch.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 04/10/13

ORGANICS

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305593

Project Number: Not Specified **Report Date:** 04/10/13

SAMPLE RESULTS

Lab ID:	L1305593-01	Date Collected:	04/01/13 16:40
Client ID:	E014E013	Date Received:	04/02/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/03/13 07:50
Analytical Date:	04/09/13 22:42		
Analyst:	JB		
Percent Solids:	66%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	ND		ug/kg	250	65.	1
Dimethyl phthalate	ND		ug/kg	250	63.	1
Benzo(a)anthracene	ND		ug/kg	150	48.	1
Benzo(a)pyrene	ND		ug/kg	200	60.	1
Benzo(b)fluoranthene	ND		ug/kg	150	50.	1
Benzo(k)fluoranthene	ND		ug/kg	150	47.	1
Chrysene	ND		ug/kg	150	49.	1
Fluorene	ND		ug/kg	250	71.	1
Phenanthrene	ND		ug/kg	150	48.	1
Dibenzo(a,h)anthracene	ND		ug/kg	150	48.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	200	55.	1
2-Chlorophenol	ND		ug/kg	250	75.	1
Pentachlorophenol	ND		ug/kg	200	53.	1
Phenol	ND		ug/kg	250	73.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	360	81.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	96		25-120
Phenol-d6	98		10-120
Nitrobenzene-d5	104		23-120
2-Fluorobiphenyl	98		30-120
2,4,6-Tribromophenol	124		0-136
4-Terphenyl-d14	100		18-120

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305593
Report Date: 04/10/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/08/13 22:14
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 04/03/13 07:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG599139-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	83	22.
Dimethyl phthalate	ND		ug/kg	83	21.
Benzo(a)anthracene	ND		ug/kg	50	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	50	17.
Benzo(k)fluoranthene	ND		ug/kg	50	16.
Chrysene	ND		ug/kg	50	16.
Fluorene	ND		ug/kg	83	24.
Phenanthrene	ND		ug/kg	50	16.
Dibenzo(a,h)anthracene	ND		ug/kg	50	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	83	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	83	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	47		30-120
2,4,6-Tribromophenol	48		0-136
4-Terphenyl-d14	51		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305593

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599139-2 WG599139-3								
Acenaphthene	61		58		31-137	5		50
1,2,4-Trichlorobenzene	61		49		38-107	22		50
Hexachlorobenzene	68		74		40-140	8		50
Bis(2-chloroethyl)ether	56		44		40-140	24		50
2-Chloronaphthalene	68		61		40-140	11		50
1,2-Dichlorobenzene	61		48		40-140	24		50
1,3-Dichlorobenzene	58		45		40-140	25		50
1,4-Dichlorobenzene	59		46		28-104	25		50
3,3'-Dichlorobenzidine	**35**	Q	47		40-140	29		50
2,4-Dinitrotoluene	76		85		28-89	11		50
2,6-Dinitrotoluene	73		78		40-140	7		50
Fluoranthene	70		74		40-140	6		50
4-Chlorophenyl phenyl ether	67		69		40-140	3		50
4-Bromophenyl phenyl ether	71		75		40-140	5		50
Bis(2-chloroisopropyl)ether	54		44		40-140	20		50
Bis(2-chloroethoxy)methane	61		53		40-117	14		50
Hexachlorobutadiene	63		50		40-140	23		50
Hexachlorocyclopentadiene	47		42		40-140	11		50
Hexachloroethane	58		44		40-140	27		50
Isophorone	60		54		40-140	11		50
Naphthalene	60		49		40-140	20		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305593

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599139-2 WG599139-3								
Nitrobenzene	60		49		40-140	20		50
NitrosoDiPhenylAmine(NDPA)/DPA	67		72			7		50
n-Nitrosodi-n-propylamine	57		49		32-121	15		50
Bis(2-Ethylhexyl)phthalate	65		70		40-140	7		50
Butyl benzyl phthalate	70		76		40-140	8		50
Di-n-butylphthalate	69		75		40-140	8		50
Di-n-octylphthalate	69		76		40-140	10		50
Diethyl phthalate	65		71		40-140	9		50
Dimethyl phthalate	64		68		40-140	6		50
Benzo(a)anthracene	66		70		40-140	6		50
Benzo(a)pyrene	69		72		40-140	4		50
Benzo(b)fluoranthene	72		76		40-140	5		50
Benzo(k)fluoranthene	65		67		40-140	3		50
Chrysene	64		67		40-140	5		50
Acenaphthylene	69		66		40-140	4		50
Anthracene	66		70		40-140	6		50
Benzo(ghi)perylene	68		68		40-140	0		50
Fluorene	67		69		40-140	3		50
Phenanthrene	64		67		40-140	5		50
Dibenzo(a,h)anthracene	71		74		40-140	4		50
Indeno(1,2,3-cd)Pyrene	70		71		40-140	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305593

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599139-2 WG599139-3								
Pyrene	69		73		35-142	6		50
Biphenyl	62		57			8		50
4-Chloroaniline	**18**	Q	**29**	Q	40-140	47		50
2-Nitroaniline	75		81		47-134	8		50
3-Nitroaniline	35		50		26-129	35		50
4-Nitroaniline	70		78		41-125	11		50
Dibenzofuran	64		64		40-140	0		50
2-Methylnaphthalene	64		55		40-140	15		50
1,2,4,5-Tetrachlorobenzene	64		55		40-117	15		50
Acetophenone	66		57		14-144	15		50
2,4,6-Trichlorophenol	76		74		30-130	3		50
P-Chloro-M-Cresol	71		72		26-103	1		50
2-Chlorophenol	65		53		25-102	20		50
2,4-Dichlorophenol	74		65		30-130	13		50
2,4-Dimethylphenol	66		59		30-130	11		50
2-Nitrophenol	66		57		30-130	15		50
4-Nitrophenol	75		84		11-114	11		50
2,4-Dinitrophenol	52		68		4-130	27		50
4,6-Dinitro-o-cresol	71		83		10-130	16		50
Pentachlorophenol	66		76		17-109	14		50
Phenol	66		57		26-90	15		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305593

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599139-2 WG599139-3								
2-Methylphenol	66		56		30-130.	16		50
3-Methylphenol/4-Methylphenol	65		58		30-130	11		50
2,4,5-Trichlorophenol	79		80		30-130	1		50
Benzoic Acid	14		29			**70**	Q	50
Benzyl Alcohol	65		56		40-140	15		50
Carbazole	67		72		54-128	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		52		25-120
Phenol-d6	69		56		10-120
Nitrobenzene-d5	64		52		23-120
2-Fluorobiphenyl	72		64		30-120
2,4,6-Tribromophenol	80		83		0-136
4-Terphenyl-d14	77		80		18-120

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305593
Project Number: Not Specified
Report Date: 04/10/13

SAMPLE RESULTS

Lab ID: L1305593-01
Client ID: E014E013
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 66%

Date Collected: 04/01/13 16:40
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.0		mg/kg	0.60	0.18	2	04/05/13 14:02	04/09/13 18:22	EPA 3050B	1,6010C	MS
Barium, Total	28		mg/kg	0.60	0.18	2	04/05/13 14:02	04/09/13 18:22	EPA 3050B	1,6010C	MS
Beryllium, Total	0.45		mg/kg	0.30	0.02	2	04/05/13 14:02	04/09/13 18:22	EPA 3050B	1,6010C	MS
Cadmium, Total	1.5		mg/kg	0.60	0.04	2	04/05/13 14:02	04/09/13 18:22	EPA 3050B	1,6010C	MS
Chromium, Total	49		mg/kg	0.60	0.12	2	04/05/13 14:02	04/09/13 18:22	EPA 3050B	1,6010C	MS
Copper, Total	8.6		mg/kg	0.60	0.30	2	04/05/13 14:02	04/09/13 18:22	EPA 3050B	1,6010C	MS
Lead, Total	34		mg/kg	3.0	0.18	2	04/05/13 14:02	04/09/13 18:22	EPA 3050B	1,6010C	MS
Mercury, Total	0.30		mg/kg	0.22	0.02	2	04/09/13 08:33	04/09/13 12:14	EPA 7471B	1,7471B	MC
Nickel, Total	7.2		mg/kg	1.5	0.24	2	04/05/13 14:02	04/09/13 18:22	EPA 3050B	1,6010C	MS
Selenium, Total	0.50	J	mg/kg	1.2	0.18	2	04/05/13 14:02	04/09/13 18:22	EPA 3050B	1,6010C	MS
Silver, Total	ND		mg/kg	0.60	0.12	2	04/05/13 14:02	04/09/13 18:22	EPA 3050B	1,6010C	MS
Zinc, Total	34		mg/kg	3.0	0.30	2	04/05/13 14:02	04/09/13 18:22	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305593

Project Number: Not Specified **Report Date:** 04/10/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG599875-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Barium, Total	ND		mg/kg	0.40	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Copper, Total	ND		mg/kg	0.40	0.20	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Lead, Total	ND		mg/kg	2.0	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Silver, Total	ND		mg/kg	0.40	0.08	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Zinc, Total	ND		mg/kg	2.0	0.20	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG600212-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/09/13 08:33	04/09/13 11:28	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305593

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG599875-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	96		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Chromium, Total	101		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	101		-		80-120	-		
Nickel, Total	99		-		82-117	-		
Selenium, Total	98		-		80-120	-		
Silver, Total	98		-		66-134	-		
Zinc, Total	103		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG600212-2 SRM Lot Number: 0518-10-02								
Mercury, Total	108		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305593
Report Date: 04/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599875-4 QC Sample: L1305558-01 Client ID: MS Sample												
Arsenic, Total	8.5	14.7	29	**139**	Q	-	-		75-125	-		35
Barium, Total	370	246	620	102		-	-		75-125	-		35
Beryllium, Total	1.8	6.14	9.2	120		-	-		75-125	-		35
Cadmium, Total	0.52J	6.27	68	108		-	-		75-125	-		35
Chromium, Total	36.	24.6	68	**130**	Q	-	-		75-125	-		35
Copper, Total	10.	30.7	50	**130**	Q	-	-		75-125	-		35
Lead, Total	14.	62.7	95	**129**	Q	-	-		75-125	-		35
Nickel, Total	24.	61.4	91	109		-	-		75-125	-		35
Selenium, Total	5.6	14.7	24	125		-	-		75-125	-		35
Silver, Total	0.37J	36.9	49	**133**	Q	-	-		75-125	-		35
Zinc, Total	130	61.4	210	**130**	Q	-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600212-4 QC Sample: L1305558-01 Client ID: MS Sample												
Mercury, Total	0.07J	0.254	0.31	122		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305593
Report Date: 04/10/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599875-3 QC Sample: L1305558-01 Client ID: DUP Sample						
Arsenic, Total	8.5	9.8	mg/kg	14		35
Barium, Total	370	410	mg/kg	10		35
Beryllium, Total	1.8	2.2	mg/kg	20		35
Cadmium, Total	0.52J	1.2J	mg/kg	NC		35
Chromium, Total	36.	50	mg/kg	33		35
Copper, Total	10.	14	mg/kg	33		35
Lead, Total	14.	19	mg/kg	30		35
Nickel, Total	24.	32	mg/kg	29		35
Selenium, Total	5.6	7.1	mg/kg	24		35
Silver, Total	0.37J	0.41J	mg/kg	NC		35
Zinc, Total	130	170	mg/kg	27		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600212-3 QC Sample: L1305558-01 Client ID: DUP Sample						
Mercury, Total	0.07J	0.04J	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305593
Report Date: 04/10/13

SAMPLE RESULTS

Lab ID: L1305593-01
Client ID: E014E013
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/01/13 16:40
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	66.2		%	0.100	NA	1	-	04/03/13 19:35	30,2540G	RD
Cyanide, Total	ND		mg/kg	1.5	0.35	2	04/03/13 13:00	04/04/13 16:24	1,9010C/9012A	JO

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305593

Project Number: Not Specified **Report Date:** 04/10/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG599328-1										
Cyanide, Total	ND		mg/kg	0.99	0.23	1	04/03/13 13:00	04/04/13 16:02	1,9010C/9012A	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305593

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG599328-4 WG599328-5								
Cyanide, Total	109		109		80-120	0		35

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305593
Report Date: 04/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599328-3 WG599328-2 QC Sample: L1305611-22 Client ID: MS Sample												
Cyanide, Total	ND	10	11	110		11	110		65-135	0		35

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305593
Project Number:	Not Specified	**Report Date:**	04/10/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305593
Project Number:	Not Specified	**Report Date:**	04/10/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

Serial_No:04101315:54

CHAIN OF CUSTODY

PAGE OF

ALPHA ANALYTICAL World Class Chemistry

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/2/13

ALPHA Job #: L1305593

Client Information

Client: AMO Environmental Decisions
Address: 4327 Pt Pleasant Pk (PO Box 410)
Danboro, PA 18916
Phone: 215-230-8282
Fax: 215-230-8283
Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: BASF Glens Falls New York
Project Location: Glens Falls New York
Project #:
Project Manager: P. Malmquist
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/9/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Extract/Digest Sample E014015 and Sample E013015.
Composite and analyze Extract/Digestate as Sample inidicated below.
Detection limits to meet NYSDEC Part 375 Requirements (0.5 x Unrestricted)
Use average of associated aliquot %Moisture for result calculations

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cyanide	Metals-See attached list (no Cr6+)	PCBs	SVOCs-See attached list	Sample Specific Comments	TOTAL # BOTTLES
05593.1	E014 E013	4/1		S	SM	☒	☒	☒	☒		
Container Type						-	-	-	-		
Preservative						-	-	-	-		

SAMPLE HANDLING

Filtration
☐ Done
☐ Not Needed
☐ Lab to do

Preservation
☒ Lab to do

(Please specify below)

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/2 1210	Robert Haine	4/2/13 1210
Robert Haine	4/2/13 2335	[signature]	4/2/13 2335

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 5-JAN-12)

ANALYTICAL REPORT

Lab Number:	L1305592
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/26/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305592
Report Date: 04/26/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305592-01	E013015	GLENS FALLS NEW YORK	04/01/13 16:20
L1305592-02	E014015	GLENS FALLS NEW YORK	04/01/13 16:40

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305592
Project Number: Not Specified **Report Date:** 04/26/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305592
Project Number:	Not Specified	**Report Date:**	04/26/13

Case Narrative (continued)

Report Submission

This final report replaces the report issued on April 17, 2013, and includes the results of all requested analyses, including the Hexavalent Chromium analysis on sample "E013015".

The previously issued partial report replaced the partial report issued on April 9, 2013. At the client's request, the samples were additionally analyzed for Total Cadmium, Chromium, Lead and Mercury.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 04/26/13

ORGANICS

VOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305592

Project Number: Not Specified **Report Date:** 04/26/13

SAMPLE RESULTS

Lab ID:	L1305592-01	Date Collected:	04/01/13 16:20
Client ID:	E013015	Date Received:	04/02/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/04/13 18:47		
Analyst:	BN		
Percent Solids:	58%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	2.5	0.61	1
Carbon tetrachloride	ND		ug/kg	1.6	0.35	1
Chlorobenzene	ND		ug/kg	1.6	0.58	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.24	1
Benzene	ND		ug/kg	1.6	0.20	1
Toluene	ND		ug/kg	2.5	0.18	1
Ethylbenzene	ND		ug/kg	1.6	0.24	1
Chloromethane	ND		ug/kg	8.3	1.3	1
Vinyl chloride	ND		ug/kg	3.3	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	2.5	0.35	1
Trichloroethene	ND		ug/kg	1.6	0.25	1
1,2-Dichlorobenzene	ND		ug/kg	8.3	0.30	1
1,3-Dichlorobenzene	ND		ug/kg	8.3	0.30	1
1,4-Dichlorobenzene	ND		ug/kg	8.3	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.25	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	101		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305592

Project Number: Not Specified **Report Date:** 04/26/13

SAMPLE RESULTS

Lab ID:	L1305592-02	Date Collected:	04/01/13 16:40
Client ID:	E014015	Date Received:	04/02/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/04/13 19:15		
Analyst:	BN		
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.8	0.45	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.14	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.1	0.96	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305592
Report Date: 04/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/04/13 09:12
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG599665-3					
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.21	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Vinyl chloride	ND		ug/kg	2.0	0.14
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305592

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599665-1 WG599665-2								
Methylene chloride	105		100		70-130	5		30
1,1-Dichloroethane	103		98		70-130	5		30
Chloroform	101		96		70-130	5		30
Carbon tetrachloride	100		95		70-130	5		30
1,2-Dichloropropane	102		99		70-130	3		30
Dibromochloromethane	92		89		70-130	3		30
2-Chloroethylvinyl ether	103		98			5		30
1,1,2-Trichloroethane	94		89		70-130	5		30
Tetrachloroethene	92		87		70-130	6		30
Chlorobenzene	91		88		70-130	3		30
Trichlorofluoromethane	106		100		70-139	6		30
1,2-Dichloroethane	102		96		70-130	6		30
1,1,1-Trichloroethane	100		94		70-130	6		30
Bromodichloromethane	100		96		70-130	4		30
trans-1,3-Dichloropropene	91		87		70-130	4		30
cis-1,3-Dichloropropene	101		96		70-130	5		30
1,1-Dichloropropene	100		95		70-130	5		30
Bromoform	88		85		70-130	3		30
1,1,2,2-Tetrachloroethane	87		84		70-130	4		30
Benzene	102		97		70-130	5		30
Toluene	87		85		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305592

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599665-1 WG599665-2								
Ethylbenzene	89		87		70-130	2		30
Chloromethane	115		110		52-130	4		30
Bromomethane	114		108		57-147	5		30
Vinyl chloride	109		103		67-130	6		30
Chloroethane	107		102		50-151	5		30
1,1-Dichloroethene	105		100		65-135	5		30
trans-1,2-Dichloroethene	103		99		70-130	4		30
Trichloroethene	100		96		70-130	4		30
1,2-Dichlorobenzene	87		85		70-130	2		30
1,3-Dichlorobenzene	87		84		70-130	4		30
1,4-Dichlorobenzene	86		84		70-130	2		30
Methyl tert butyl ether	100		95		66-130	5		30
p/m-Xylene	91		87		70-130	4		30
o-Xylene	92		88		70-130	4		30
cis-1,2-Dichloroethene	103		99		70-130	4		30
Dibromomethane	103		100		70-130	3		30
Styrene	92		89		70-130	3		30
Dichlorodifluoromethane	110		105		30-146	5		30
Acetone	**147**	Q	120		54-140	20		30
Carbon disulfide	106		102		59-130	4		30
2-Butanone	129		106		70-130	20		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305592

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599665-1 WG599665-2								
Vinyl acetate	104		98		70-130	6		30
4-Methyl-2-pentanone	103		97		70-130	6		30
1,2,3-Trichloropropane	87		84		68-130	4		30
2-Hexanone	100		87		70-130	14		30
Bromochloromethane	105		100		70-130	5		30
2,2-Dichloropropane	99		94		70-130	5		30
1,2-Dibromoethane	93		89		70-130	4		30
1,3-Dichloropropane	91		88		69-130	3		30
1,1,1,2-Tetrachloroethane	92		87		70-130	6		30
Bromobenzene	88		84		70-130	5		30
n-Butylbenzene	85		83		70-130	2		30
sec-Butylbenzene	85		83		70-130	2		30
tert-Butylbenzene	85		83		70-130	2		30
o-Chlorotoluene	85		82		70-130	4		30
p-Chlorotoluene	86		83		70-130	4		30
1,2-Dibromo-3-chloropropane	96		74		68-130	26		30
Hexachlorobutadiene	83		83		67-130	0		30
Isopropylbenzene	90		87		70-130	3		30
p-Isopropyltoluene	85		83		70-130	2		30
Naphthalene	86		82		70-130	5		30
Acrylonitrile	110		102		70-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305592

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599665-1 WG599665-2								
Isopropyl Ether	101		98		66-130	3		30
tert-Butyl Alcohol	98		88		70-130	11		30
n-Propylbenzene	85		82		70-130	4		30
1,2,3-Trichlorobenzene	86		84		70-130	2		30
1,2,4-Trichlorobenzene	86		83		70-130	4		30
1,3,5-Trimethylbenzene	86		84		70-130	2		30
1,2,4-Trimethylbenzene	85		83		70-130	2		30
Methyl Acetate	109		101		70-130	8		30
Ethyl Acetate	108		104		70-130	4		30
Acrolein	77		73		70-130	5		30
Cyclohexane	106		101		70-130	5		30
1,4-Dioxane	116		111		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	107		102		70-130	5		30
1,4-Diethylbenzene	101		96		70-130	5		30
4-Ethyltoluene	102		97		70-130	5		30
1,2,4,5-Tetramethylbenzene	100		96		70-130	4		30
Tetrahydrofuran	106		97		66-130	9		30
Ethyl ether	99		96		67-130	3		30
trans-1,4-Dichloro-2-butene	88		84		70-130	5		30
Methyl cyclohexane	104		98		70-130	6		30
Ethyl-Tert-Butyl-Ether	100		95		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305592

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599665-1 WG599665-2								
Tertiary-Amyl Methyl Ether	100		95		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		95		70-130
Toluene-d8	92		93		70-130
4-Bromofluorobenzene	95		96		70-130
Dibromofluoromethane	100		100		70-130

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305592
Project Number: Not Specified
Report Date: 04/26/13

SAMPLE RESULTS

Lab ID: L1305592-01
Client ID: E013015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 58%

Date Collected: 04/01/13 16:20
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	2.8		mg/kg	0.68	0.04	1	04/05/13 14:20	04/08/13 16:55	EPA 3050B	1,6010C	MS
Chromium, Total	87		mg/kg	0.68	0.14	1	04/05/13 14:20	04/08/13 16:55	EPA 3050B	1,6010C	MS
Lead, Total	62		mg/kg	3.4	0.20	1	04/05/13 14:20	04/08/13 16:55	EPA 3050B	1,6010C	MS
Mercury, Total	0.61		mg/kg	0.14	0.03	1	04/09/13 08:33	04/09/13 12:11	EPA 7471B	1,7471B	MC

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305592
Project Number: Not Specified
Report Date: 04/26/13

SAMPLE RESULTS

Lab ID: L1305592-02
Client ID: E014015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 74%

Date Collected: 04/01/13 16:40
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	0.59		mg/kg	0.54	0.03	1	04/05/13 14:20	04/08/13 16:57	EPA 3050B	1,6010C	MS
Chromium, Total	16		mg/kg	0.54	0.11	1	04/05/13 14:20	04/08/13 16:57	EPA 3050B	1,6010C	MS
Lead, Total	8.3		mg/kg	2.7	0.16	1	04/05/13 14:20	04/08/13 16:57	EPA 3050B	1,6010C	MS
Mercury, Total	0.09		mg/kg	0.09	0.02	1	04/09/13 08:33	04/09/13 12:13	EPA 7471B	1,7471B	MC

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305592

Project Number: Not Specified **Report Date:** 04/26/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG599875-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Barium, Total	ND		mg/kg	0.40	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Copper, Total	ND		mg/kg	0.40	0.20	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Lead, Total	ND		mg/kg	2.0	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Silver, Total	ND		mg/kg	0.40	0.08	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Zinc, Total	ND		mg/kg	2.0	0.20	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG600212-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/09/13 08:33	04/09/13 11:28	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305592

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG599875-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	96		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Chromium, Total	101		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	101		-		80-120	-		
Nickel, Total	99		-		82-117	-		
Selenium, Total	98		-		80-120	-		
Silver, Total	98		-		66-134	-		
Zinc, Total	103		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG600212-2 SRM Lot Number: 0518-10-02								
Mercury, Total	108		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305592
Report Date: 04/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599875-4 QC Sample: L1305558-01 Client ID: MS Sample												
Arsenic, Total	8.5	14.7	29	**139**	Q	-	-		75-125	-		35
Barium, Total	370	246	620	102		-	-		75-125	-		35
Beryllium, Total	1.8	6.14	9.2	120		-	-		75-125	-		35
Cadmium, Total	0.52J	6.27	68	108		-	-		75-125	-		35
Chromium, Total	36.	24.6	68	**130**	Q	-	-		75-125	-		35
Copper, Total	10.	30.7	50	**130**	Q	-	-		75-125	-		35
Lead, Total	14.	62.7	95	**129**	Q	-	-		75-125	-		35
Nickel, Total	24.	61.4	91	109		-	-		75-125	-		35
Selenium, Total	5.6	14.7	24	125		-	-		75-125	-		35
Silver, Total	0.37J	36.9	49	**133**	Q	-	-		75-125	-		35
Zinc, Total	130	61.4	210	**130**	Q	-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600212-4 QC Sample: L1305558-01 Client ID: MS Sample												
Mercury, Total	0.07J	0.254	0.31	122		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305592
Report Date: 04/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599875-3 QC Sample: L1305558-01 Client ID: DUP Sample						
Barium, Total	370	410	mg/kg	10		35
Chromium, Total	36.	50	mg/kg	33		35
Zinc, Total	130	170	mg/kg	27		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600212-3 QC Sample: L1305558-01 Client ID: DUP Sample						
Mercury, Total	0.07J	0.04J	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305592
Report Date: 04/26/13

SAMPLE RESULTS

Lab ID: L1305592-01
Client ID: E013015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Date Collected: 04/01/13 16:20
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	58.1		%	0.100	NA	1	-	04/03/13 19:35	30,2540G	RD
Chromium, Hexavalent	ND		mg/kg	1.4	0.31	1	04/23/13 12:05	04/24/13 02:42	1,7196A	ST

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305592
Report Date: 04/26/13

SAMPLE RESULTS

Lab ID: L1305592-02
Client ID: E014015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Date Collected: 04/01/13 16:40
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.2		%	0.100	NA	1	-	04/03/13 19:35	30,2540G	RD

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305592

Project Number: Not Specified **Report Date:** 04/26/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG603313-1										
Chromium, Hexavalent	ND		mg/l	0.80	0.18	1	04/23/13 12:05	04/24/13 02:40	1,7196A	ST

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305592

Report Date: 04/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG603313-2								
Chromium, Hexavalent	95		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305592
Report Date: 04/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG603313-4 QC Sample: L1305881-01 Client ID: MS Sample												
Chromium, Hexavalent	ND	1380	1200	87		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305592
Report Date: 04/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599356-1 QC Sample: L1305527-01 Client ID: DUP Sample						
Solids, Total	86.3	85.8	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG603313-6 QC Sample: L1305881-01 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305592
Report Date: 04/26/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 04/03/2013 01:40

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305592-01A	Vial MeOH preserved	A	N/A	3.0	Y	Absent	NYTCL-8260HLW(14)
L1305592-01B	Vial water preserved	A	N/A	3.0	Y	Absent	NYTCL-8260HLW(14)
L1305592-01C	Vial water preserved	A	N/A	3.0	Y	Absent	NYTCL-8260HLW(14)
L1305592-01D	Plastic 2oz unpreserved for TS	A	N/A	3.0	Y	Absent	TS(7)
L1305592-01E	Amber 120ml unpreserved	A	N/A	3.0	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180),HEXCR-7196(30)
L1305592-01F	Amber 250ml unpreserved	A	N/A	3.0	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180),HEXCR-7196(30)
L1305592-02A	Vial MeOH preserved	A	N/A	3.0	Y	Absent	NYTCL-8260HLW(14)
L1305592-02B	Vial water preserved	A	N/A	3.0	Y	Absent	NYTCL-8260HLW(14)
L1305592-02C	Vial water preserved	A	N/A	3.0	Y	Absent	NYTCL-8260HLW(14)
L1305592-02D	Plastic 2oz unpreserved for TS	A	N/A	3.0	Y	Absent	TS(7)
L1305592-02E	Amber 120ml unpreserved	A	N/A	3.0	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305592-02F	Amber 250ml unpreserved	A	N/A	3.0	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305592
Project Number:	Not Specified	**Report Date:**	04/26/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305592
Project Number:	Not Specified	**Report Date:**	04/26/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305592
Project Number:	Not Specified	**Report Date:**	04/26/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

Serial_No:04261320:55

CHAIN OF COUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
World Class Chemistry

Westborough, MA — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA — TEL: 508-822-9300 — FAX: 508-822-3288

Date Rec'd in Lab: 4/2/13

ALPHA Job #: L1305592

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/9/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Detection limits to meet NYSDEC Part 375 Requirements (Unrestricted)
Find %Moisture of each aliquot and calculate average for use as %Moisture of associated composite sample

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs-See attached list	Hexavalent Chromium-Hold	Cyanide-Hold	Metals-See attached list-Hold	PCBs-Hold	SVOCs-See atached list-Hold							Sample Specific Comments	TOTAL # BOTTLES
05592-1	E013015	4/1	1620	S	RK	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		
2	E014015	4/1	1640	S	RK	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		

	VOCs	Hex Cr	Cyanide	Metals	PCBs	SVOCs						
Container Type	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/2 1210	Robert Haines	4/2/13 1210
Robert Haines	4/2/13 2335	[signature]	4/2/13 2335

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 5-JAN-12)

ANALYTICAL REPORT

Lab Number:	L1305581
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/10/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305581
Report Date: 04/10/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305581-01	E005E012	GLENS FALLS NEW YORK	04/01/13 17:40

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305581
Project Number: Not Specified **Report Date:** 04/10/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305581
Project Number:	Not Specified	**Report Date:**	04/10/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

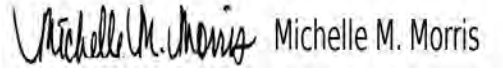
At the client's request, the sample was not analyzed for PCBs.

The sample collection time was taken from the discreet sample L1305580-02.

Solids, Total

L1305581-01: The average result from the original samples is reported; the Duplicate was performed with original batch.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Michelle M. Morris

Title: Technical Director/Representative Date: 04/10/13

ORGANICS

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305581

Project Number: Not Specified **Report Date:** 04/10/13

SAMPLE RESULTS

Lab ID:	L1305581-01	Date Collected:	04/01/13 17:40
Client ID:	E005E012	Date Received:	04/02/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/03/13 07:50
Analytical Date:	04/09/13 22:16		
Analyst:	JB		
Percent Solids:	75%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	57.	1
Dimethyl phthalate	ND		ug/kg	220	55.	1
Benzo(a)anthracene	ND		ug/kg	130	42.	1
Benzo(a)pyrene	ND		ug/kg	170	53.	1
Benzo(b)fluoranthene	ND		ug/kg	130	44.	1
Benzo(k)fluoranthene	ND		ug/kg	130	41.	1
Chrysene	ND		ug/kg	130	42.	1
Fluorene	ND		ug/kg	220	62.	1
Phenanthrene	ND		ug/kg	130	42.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	42.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	48.	1
2-Chlorophenol	ND		ug/kg	220	65.	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	220	64.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	71.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		25-120
Phenol-d6	93		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	95		30-120
2,4,6-Tribromophenol	133		0-136
4-Terphenyl-d14	97		18-120

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305581
Report Date: 04/10/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/08/13 22:14
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 04/03/13 07:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG599139-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	83	22.
Dimethyl phthalate	ND		ug/kg	83	21.
Benzo(a)anthracene	ND		ug/kg	50	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	50	17.
Benzo(k)fluoranthene	ND		ug/kg	50	16.
Chrysene	ND		ug/kg	50	16.
Fluorene	ND		ug/kg	83	24.
Phenanthrene	ND		ug/kg	50	16.
Dibenzo(a,h)anthracene	ND		ug/kg	50	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	83	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	83	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	47		30-120
2,4,6-Tribromophenol	48		0-136
4-Terphenyl-d14	51		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305581

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599139-2 WG599139-3								
Acenaphthene	61		58		31-137	5		50
1,2,4-Trichlorobenzene	61		49		38-107	22		50
Hexachlorobenzene	68		74		40-140	8		50
Bis(2-chloroethyl)ether	56		44		40-140	24		50
2-Chloronaphthalene	68		61		40-140	11		50
1,2-Dichlorobenzene	61		48		40-140	24		50
1,3-Dichlorobenzene	58		45		40-140	25		50
1,4-Dichlorobenzene	59		46		28-104	25		50
3,3'-Dichlorobenzidine	**35**	Q	47		40-140	29		50
2,4-Dinitrotoluene	76		85		28-89	11		50
2,6-Dinitrotoluene	73		78		40-140	7		50
Fluoranthene	70		74		40-140	6		50
4-Chlorophenyl phenyl ether	67		69		40-140	3		50
4-Bromophenyl phenyl ether	71		75		40-140	5		50
Bis(2-chloroisopropyl)ether	54		44		40-140	20		50
Bis(2-chloroethoxy)methane	61		53		40-117	14		50
Hexachlorobutadiene	63		50		40-140	23		50
Hexachlorocyclopentadiene	47		42		40-140	11		50
Hexachloroethane	58		44		40-140	27		50
Isophorone	60		54		40-140	11		50
Naphthalene	60		49		40-140	20		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305581

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599139-2 WG599139-3								
Nitrobenzene	60		49		40-140	20		50
NitrosoDiPhenylAmine(NDPA)/DPA	67		72			7		50
n-Nitrosodi-n-propylamine	57		49		32-121	15		50
Bis(2-Ethylhexyl)phthalate	65		70		40-140	7		50
Butyl benzyl phthalate	70		76		40-140	8		50
Di-n-butylphthalate	69		75		40-140	8		50
Di-n-octylphthalate	69		76		40-140	10		50
Diethyl phthalate	65		71		40-140	9		50
Dimethyl phthalate	64		68		40-140	6		50
Benzo(a)anthracene	66		70		40-140	6		50
Benzo(a)pyrene	69		72		40-140	4		50
Benzo(b)fluoranthene	72		76		40-140	5		50
Benzo(k)fluoranthene	65		67		40-140	3		50
Chrysene	64		67		40-140	5		50
Acenaphthylene	69		66		40-140	4		50
Anthracene	66		70		40-140	6		50
Benzo(ghi)perylene	68		68		40-140	0		50
Fluorene	67		69		40-140	3		50
Phenanthrene	64		67		40-140	5		50
Dibenzo(a,h)anthracene	71		74		40-140	4		50
Indeno(1,2,3-cd)Pyrene	70		71		40-140	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305581

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599139-2 WG599139-3								
Pyrene	69		73		35-142	6		50
Biphenyl	62		57			8		50
4-Chloroaniline	**18**	Q	**29**	Q	40-140	47		50
2-Nitroaniline	75		81		47-134	8		50
3-Nitroaniline	35		50		26-129	35		50
4-Nitroaniline	70		78		41-125	11		50
Dibenzofuran	64		64		40-140	0		50
2-Methylnaphthalene	64		55		40-140	15		50
1,2,4,5-Tetrachlorobenzene	64		55		40-117	15		50
Acetophenone	66		57		14-144	15		50
2,4,6-Trichlorophenol	76		74		30-130	3		50
P-Chloro-M-Cresol	71		72		26-103	1		50
2-Chlorophenol	65		53		25-102	20		50
2,4-Dichlorophenol	74		65		30-130	13		50
2,4-Dimethylphenol	66		59		30-130	11		50
2-Nitrophenol	66		57		30-130	15		50
4-Nitrophenol	75		84		11-114	11		50
2,4-Dinitrophenol	52		68		4-130	27		50
4,6-Dinitro-o-cresol	71		83		10-130	16		50
Pentachlorophenol	66		76		17-109	14		50
Phenol	66		57		26-90	15		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305581

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599139-2 WG599139-3								
2-Methylphenol	66		56		30-130.	16		50
3-Methylphenol/4-Methylphenol	65		58		30-130	11		50
2,4,5-Trichlorophenol	79		80		30-130	1		50
Benzoic Acid	14		29			**70**	Q	50
Benzyl Alcohol	65		56		40-140	15		50
Carbazole	67		72		54-128	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		52		25-120
Phenol-d6	69		56		10-120
Nitrobenzene-d5	64		52		23-120
2-Fluorobiphenyl	72		64		30-120
2,4,6-Tribromophenol	80		83		0-136
4-Terphenyl-d14	77		80		18-120

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305581
Project Number: Not Specified
Report Date: 04/10/13

SAMPLE RESULTS

Lab ID: L1305581-01
Client ID: E005E012
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 75%

Date Collected: 04/01/13 17:40
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	1.8		mg/kg	0.52	0.15	2	04/05/13 14:02	04/09/13 18:19	EPA 3050B	1,6010C	MS
Barium, Total	45		mg/kg	0.52	0.15	2	04/05/13 14:02	04/09/13 18:19	EPA 3050B	1,6010C	MS
Beryllium, Total	0.47		mg/kg	0.26	0.02	2	04/05/13 14:02	04/09/13 18:19	EPA 3050B	1,6010C	MS
Cadmium, Total	0.98		mg/kg	0.52	0.03	2	04/05/13 14:02	04/09/13 18:19	EPA 3050B	1,6010C	MS
Chromium, Total	38		mg/kg	0.52	0.10	2	04/05/13 14:02	04/09/13 18:19	EPA 3050B	1,6010C	MS
Copper, Total	8.0		mg/kg	0.52	0.26	2	04/05/13 14:02	04/09/13 18:19	EPA 3050B	1,6010C	MS
Lead, Total	22		mg/kg	2.6	0.15	2	04/05/13 14:02	04/09/13 18:19	EPA 3050B	1,6010C	MS
Mercury, Total	0.27		mg/kg	0.20	0.02	2	04/09/13 08:33	04/09/13 12:09	EPA 7471B	1,7471B	MC
Nickel, Total	7.7		mg/kg	1.3	0.21	2	04/05/13 14:02	04/09/13 18:19	EPA 3050B	1,6010C	MS
Selenium, Total	0.32	J	mg/kg	1.0	0.15	2	04/05/13 14:02	04/09/13 18:19	EPA 3050B	1,6010C	MS
Silver, Total	ND		mg/kg	0.52	0.10	2	04/05/13 14:02	04/09/13 18:19	EPA 3050B	1,6010C	MS
Zinc, Total	35		mg/kg	2.6	0.26	2	04/05/13 14:02	04/09/13 18:19	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305581

Project Number: Not Specified **Report Date:** 04/10/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG599875-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Barium, Total	ND		mg/kg	0.40	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Copper, Total	ND		mg/kg	0.40	0.20	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Lead, Total	ND		mg/kg	2.0	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Silver, Total	ND		mg/kg	0.40	0.08	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Zinc, Total	ND		mg/kg	2.0	0.20	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG600212-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/09/13 08:33	04/09/13 11:28	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305581

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG599875-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	96		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Chromium, Total	101		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	101		-		80-120	-		
Nickel, Total	99		-		82-117	-		
Selenium, Total	98		-		80-120	-		
Silver, Total	98		-		66-134	-		
Zinc, Total	103		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG600212-2 SRM Lot Number: 0518-10-02								
Mercury, Total	108		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305581
Report Date: 04/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599875-4 QC Sample: L1305558-01 Client ID: MS Sample												
Arsenic, Total	8.5	14.7	29	**139**	Q	-	-		75-125	-		35
Barium, Total	370	246	620	102		-	-		75-125	-		35
Beryllium, Total	1.8	6.14	9.2	120		-	-		75-125	-		35
Cadmium, Total	0.52J	6.27	68	108		-	-		75-125	-		35
Chromium, Total	36.	24.6	68	**130**	Q	-	-		75-125	-		35
Copper, Total	10.	30.7	50	**130**	Q	-	-		75-125	-		35
Lead, Total	14.	62.7	95	**129**	Q	-	-		75-125	-		35
Nickel, Total	24.	61.4	91	109		-	-		75-125	-		35
Selenium, Total	5.6	14.7	24	125		-	-		75-125	-		35
Silver, Total	0.37J	36.9	49	**133**	Q	-	-		75-125	-		35
Zinc, Total	130	61.4	210	**130**	Q	-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600212-4 QC Sample: L1305558-01 Client ID: MS Sample												
Mercury, Total	0.07J	0.254	0.31	122		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305581
Report Date: 04/10/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599875-3 QC Sample: L1305558-01 Client ID: DUP Sample						
Arsenic, Total	8.5	9.8	mg/kg	14		35
Barium, Total	370	410	mg/kg	10		35
Beryllium, Total	1.8	2.2	mg/kg	20		35
Cadmium, Total	0.52J	1.2J	mg/kg	NC		35
Chromium, Total	36.	50	mg/kg	33		35
Copper, Total	10.	14	mg/kg	33		35
Lead, Total	14.	19	mg/kg	30		35
Nickel, Total	24.	32	mg/kg	29		35
Selenium, Total	5.6	7.1	mg/kg	24		35
Silver, Total	0.37J	0.41J	mg/kg	NC		35
Zinc, Total	130	170	mg/kg	27		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600212-3 QC Sample: L1305558-01 Client ID: DUP Sample						
Mercury, Total	0.07J	0.04J	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305581
Report Date: 04/10/13

SAMPLE RESULTS

Lab ID: L1305581-01
Client ID: E005E012
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/01/13 17:40
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.0		%	0.100	NA	1	-	04/03/13 19:35	30,2540G	RD
Cyanide, Total	ND		mg/kg	1.3	0.30	2	04/03/13 13:00	04/04/13 16:22	1,9010C/9012A	JO

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305581

Project Number: Not Specified **Report Date:** 04/10/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG599328-1										
Cyanide, Total	ND		mg/kg	0.99	0.23	1	04/03/13 13:00	04/04/13 16:02	1,9010C/9012A	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305581

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG599328-4 WG599328-5								
Cyanide, Total	109		109		80-120	0		35

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305581
Report Date: 04/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599328-3 WG599328-2 QC Sample: L1305611-22 Client ID: MS Sample												
Cyanide, Total	ND	10	11	110		11	110		65-135	0		35

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305581
Project Number:	Not Specified	**Report Date:**	04/10/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305581
Project Number:	Not Specified	**Report Date:**	04/10/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305581
Project Number:	Not Specified	**Report Date:**	04/10/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

Serial_No:04101315:24

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL — World Class Chemistry

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/2/13 | ALPHA Job #: L1305581

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/9/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Extract/Digest Sample E005D015 and Sample E042015.
Composite and analyze Extract/Digestate as Sample inidicated below.
Detection limits to meet NYSDEC Part 375 Requirements (0.5 x Unrestricted)
Use average of associated aliquot %Moisture for result calculations

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cyanide	Metals-See attached list (no Cr6+)	PCBs	SVOCs-See attached list	Sample Specific Comments	TOTAL # BOTTLES
05581-1	E005E012	4/1		S	SA	☒	☒	☒	☒		

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

Container Type	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/2 1210	Robert [signature]	4/2/13 1210
Robert [signature]	4/2/13 2335	[signature]	4/2/13 2335

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 5-JAN-12)

JOB: L1305580 REPORT STYLE: Data Usability Report
001: Cover & Signature Pages - OK
006: Narrative Page(s) - OK
010: Cover Page - OK
011: Volatiles Sample Results - OK
012: Volatiles Blank Report - OK
013: Volatiles LCS Report - OK
018: Cover Page - OK
020: Semivolatiles Blank Report - OK
021: Semivolatiles LCS Report - OK
100: Metals Sample Results - OK
101: Metals Blank Report - OK
102: Metals LCS Report - OK
104: Metals Matrix Spike Report - OK
105: Metals Duplicate Report - OK
118: Cover Page - OK
120: Wet Chemistry Sample Results - OK
125: Wet Chemistry Duplicate Report - OK
510: Container Report - OK
520: Glossary - OK
540: Reference Report - OK

No results found for sample L1305580-01 for product AG-TI
No results found for sample L1305580-01 for product AS-TI
No results found for sample L1305580-01 for product BA-TI
No results found for sample L1305580-01 for product BE-TI
No results found for sample L1305580-01 for product CD-TI
No results found for sample L1305580-01 for product CU-TI
No results found for sample L1305580-01 for product NI-TI
No results found for sample L1305580-01 for product NYTCL-8270
No results found for sample L1305580-01 for product PB-TI
No results found for sample L1305580-01 for product SE-TI
No results found for sample L1305580-01 for product TCN-9010
No results found for sample L1305580-01 for product ZN-TI
No results found for sample L1305580-02 for product AG-TI
No results found for sample L1305580-02 for product AS-TI
No results found for sample L1305580-02 for product BA-TI
No results found for sample L1305580-02 for product BE-TI
No results found for sample L1305580-02 for product CD-TI
No results found for sample L1305580-02 for product CU-TI
No results found for sample L1305580-02 for product NI-TI
No results found for sample L1305580-02 for product NYTCL-8270
No results found for sample L1305580-02 for product PB-TI
No results found for sample L1305580-02 for product SE-TI

No results found for sample L1305580-02 for product TCN-9010
No results found for sample L1305580-02 for product ZN-TI

ANALYTICAL REPORT

Lab Number:	L1305580
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/17/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305580
Report Date: 04/17/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305580-01	E005015	GLENS FALLS NEW YORK	04/01/13 17:20
L1305580-02	E012015	GLENS FALLS NEW YORK	04/01/13 17:40

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305580
Project Number: Not Specified **Report Date:** 04/17/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305580
Project Number:	Not Specified	**Report Date:**	04/17/13

Case Narrative (continued)

Report Submission

This partial report replaces the partial report issued on April 9, 2013. At the client's request, the samples were additionally analyzed for Total Chromium and Mercury. A final report will be issued as soon as the results of all requested analyses become available.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 04/17/13

ORGANICS

VOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305580

Project Number: Not Specified **Report Date:** 04/17/13

SAMPLE RESULTS

Lab ID:	L1305580-01	Date Collected:	04/01/13 17:20
Client ID:	E005015	Date Received:	04/02/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/03/13 17:50		
Analyst:	BN		
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.0	0.94	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	103		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305580

Project Number: Not Specified **Report Date:** 04/17/13

SAMPLE RESULTS

Lab ID:	L1305580-02	Date Collected:	04/01/13 17:40
Client ID:	E012015	Date Received:	04/02/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/03/13 18:18		
Analyst:	BN		
Percent Solids:	76%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.7	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
Chlorobenzene	ND		ug/kg	1.2	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.17	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.7	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	5.8	0.91	1
Vinyl chloride	ND		ug/kg	2.3	0.16	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	103		70-130

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305580
Report Date: 04/17/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/03/13 12:11
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG599355-3					
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.25	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Vinyl chloride	ND		ug/kg	2.0	0.14
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305580

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599355-1 WG599355-2								
Methylene chloride	110		109		70-130	1		30
1,1-Dichloroethane	110		107		70-130	3		30
Chloroform	106		102		70-130	4		30
Carbon tetrachloride	104		97		70-130	7		30
1,2-Dichloropropane	108		106		70-130	2		30
Dibromochloromethane	99		98		70-130	1		30
2-Chloroethylvinyl ether	108		106			2		30
1,1,2-Trichloroethane	106		108		70-130	2		30
Tetrachloroethene	101		95		70-130	6		30
Chlorobenzene	101		98		70-130	3		30
Trichlorofluoromethane	110		106		70-139	4		30
1,2-Dichloroethane	110		109		70-130	1		30
1,1,1-Trichloroethane	106		101		70-130	5		30
Bromodichloromethane	105		104		70-130	1		30
trans-1,3-Dichloropropene	107		106		70-130	1		30
cis-1,3-Dichloropropene	107		103		70-130	4		30
1,1-Dichloropropene	107		104		70-130	3		30
Bromoform	96		96		70-130	0		30
1,1,2,2-Tetrachloroethane	103		105		70-130	2		30
Benzene	107		103		70-130	4		30
Toluene	104		100		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305580

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599355-1 WG599355-2								
Ethylbenzene	104		100		70-130	4		30
Chloromethane	**143**	Q	**138**	Q	52-130	4		30
Bromomethane	122		117		57-147	4		30
Vinyl chloride	129		123		67-130	5		30
Chloroethane	118		115		50-151	3		30
1,1-Dichloroethene	111		105		65-135	6		30
trans-1,2-Dichloroethene	105		101		70-130	4		30
Trichloroethene	106		102		70-130	4		30
1,2-Dichlorobenzene	97		96		70-130	1		30
1,3-Dichlorobenzene	99		96		70-130	3		30
1,4-Dichlorobenzene	98		96		70-130	2		30
Methyl tert butyl ether	104		105		66-130	1		30
p/m-Xylene	103		99		70-130	4		30
o-Xylene	101		99		70-130	2		30
cis-1,2-Dichloroethene	102		100		70-130	2		30
Dibromomethane	108		107		70-130	1		30
Styrene	103		100		70-130	3		30
Dichlorodifluoromethane	136		129		30-146	5		30
Acetone	**143**	Q	135		54-140	6		30
Carbon disulfide	112		105		59-130	6		30
2-Butanone	128		127		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305580

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599355-1 WG599355-2								
Vinyl acetate	114		115		70-130	1		30
4-Methyl-2-pentanone	100		104		70-130	4		30
1,2,3-Trichloropropane	106		109		68-130	3		30
2-Hexanone	115		116		70-130	1		30
Bromochloromethane	104		101		70-130	3		30
2,2-Dichloropropane	112		105		70-130	6		30
1,2-Dibromoethane	101		101		70-130	0		30
1,3-Dichloropropane	105		103		69-130	2		30
1,1,1,2-Tetrachloroethane	99		99		70-130	0		30
Bromobenzene	96		94		70-130	2		30
n-Butylbenzene	108		103		70-130	5		30
sec-Butylbenzene	103		99		70-130	4		30
tert-Butylbenzene	99		95		70-130	4		30
o-Chlorotoluene	98		105		70-130	7		30
p-Chlorotoluene	106		101		70-130	5		30
1,2-Dibromo-3-chloropropane	101		104		68-130	3		30
Hexachlorobutadiene	104		100		67-130	4		30
Isopropylbenzene	100		96		70-130	4		30
p-Isopropyltoluene	101		98		70-130	3		30
Naphthalene	92		95		70-130	3		30
Acrylonitrile	112		114		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305580

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599355-1 WG599355-2								
Isopropyl Ether	113		110		66-130	3		30
tert-Butyl Alcohol	111		119		70-130	7		30
n-Propylbenzene	103		100		70-130	3		30
1,2,3-Trichlorobenzene	97		96		70-130	1		30
1,2,4-Trichlorobenzene	97		95		70-130	2		30
1,3,5-Trimethylbenzene	104		99		70-130	5		30
1,2,4-Trimethylbenzene	103		100		70-130	3		30
Methyl Acetate	113		120		70-130	6		30
Ethyl Acetate	107		118		70-130	10		30
Acrolein	115		122		70-130	6		30
Cyclohexane	115		108		70-130	6		30
1,4-Dioxane	96		103		65-136	7		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	108		105		70-130	3		30
1,4-Diethylbenzene	103		98		70-130	5		30
4-Ethyltoluene	102		98		70-130	4		30
1,2,4,5-Tetramethylbenzene	99		97		70-130	2		30
Tetrahydrofuran	108		117		66-130	8		30
Ethyl ether	102		102		67-130	0		30
trans-1,4-Dichloro-2-butene	120		123		70-130	2		30
Methyl cyclohexane	104		99		70-130	5		30
Ethyl-Tert-Butyl-Ether	108		106		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305580

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599355-1 WG599355-2								
Tertiary-Amyl Methyl Ether	103		102		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		107		70-130
Toluene-d8	103		103		70-130
4-Bromofluorobenzene	102		102		70-130
Dibromofluoromethane	100		100		70-130

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305580
Report Date: 04/17/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/08/13 22:14
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 04/03/13 07:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG599139-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	83	22.
Dimethyl phthalate	ND		ug/kg	83	21.
Benzo(a)anthracene	ND		ug/kg	50	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	50	17.
Benzo(k)fluoranthene	ND		ug/kg	50	16.
Chrysene	ND		ug/kg	50	16.
Fluorene	ND		ug/kg	83	24.
Phenanthrene	ND		ug/kg	50	16.
Dibenzo(a,h)anthracene	ND		ug/kg	50	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	83	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	83	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	47		30-120
2,4,6-Tribromophenol	48		0-136
4-Terphenyl-d14	51		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305580

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599139-2 WG599139-3								
Acenaphthene	61		58		31-137	5		50
1,2,4-Trichlorobenzene	61		49		38-107	22		50
Hexachlorobenzene	68		74		40-140	8		50
Bis(2-chloroethyl)ether	56		44		40-140	24		50
2-Chloronaphthalene	68		61		40-140	11		50
1,2-Dichlorobenzene	61		48		40-140	24		50
1,3-Dichlorobenzene	58		45		40-140	25		50
1,4-Dichlorobenzene	59		46		28-104	25		50
3,3'-Dichlorobenzidine	**35**	Q	47		40-140	29		50
2,4-Dinitrotoluene	76		85		28-89	11		50
2,6-Dinitrotoluene	73		78		40-140	7		50
Fluoranthene	70		74		40-140	6		50
4-Chlorophenyl phenyl ether	67		69		40-140	3		50
4-Bromophenyl phenyl ether	71		75		40-140	5		50
Bis(2-chloroisopropyl)ether	54		44		40-140	20		50
Bis(2-chloroethoxy)methane	61		53		40-117	14		50
Hexachlorobutadiene	63		50		40-140	23		50
Hexachlorocyclopentadiene	47		42		40-140	11		50
Hexachloroethane	58		44		40-140	27		50
Isophorone	60		54		40-140	11		50
Naphthalene	60		49		40-140	20		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305580

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599139-2 WG599139-3								
Nitrobenzene	60		49		40-140	20		50
NitrosoDiPhenylAmine(NDPA)/DPA	67		72			7		50
n-Nitrosodi-n-propylamine	57		49		32-121	15		50
Bis(2-Ethylhexyl)phthalate	65		70		40-140	7		50
Butyl benzyl phthalate	70		76		40-140	8		50
Di-n-butylphthalate	69		75		40-140	8		50
Di-n-octylphthalate	69		76		40-140	10		50
Diethyl phthalate	65		71		40-140	9		50
Dimethyl phthalate	64		68		40-140	6		50
Benzo(a)anthracene	66		70		40-140	6		50
Benzo(a)pyrene	69		72		40-140	4		50
Benzo(b)fluoranthene	72		76		40-140	5		50
Benzo(k)fluoranthene	65		67		40-140	3		50
Chrysene	64		67		40-140	5		50
Acenaphthylene	69		66		40-140	4		50
Anthracene	66		70		40-140	6		50
Benzo(ghi)perylene	68		68		40-140	0		50
Fluorene	67		69		40-140	3		50
Phenanthrene	64		67		40-140	5		50
Dibenzo(a,h)anthracene	71		74		40-140	4		50
Indeno(1,2,3-cd)Pyrene	70		71		40-140	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305580

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599139-2 WG599139-3								
Pyrene	69		73		35-142	6		50
Biphenyl	62		57			8		50
4-Chloroaniline	**18**	Q	**29**	Q	40-140	47		50
2-Nitroaniline	75		81		47-134	8		50
3-Nitroaniline	35		50		26-129	35		50
4-Nitroaniline	70		78		41-125	11		50
Dibenzofuran	64		64		40-140	0		50
2-Methylnaphthalene	64		55		40-140	15		50
1,2,4,5-Tetrachlorobenzene	64		55		40-117	15		50
Acetophenone	66		57		14-144	15		50
2,4,6-Trichlorophenol	76		74		30-130	3		50
P-Chloro-M-Cresol	71		72		26-103	1		50
2-Chlorophenol	65		53		25-102	20		50
2,4-Dichlorophenol	74		65		30-130	13		50
2,4-Dimethylphenol	66		59		30-130	11		50
2-Nitrophenol	66		57		30-130	15		50
4-Nitrophenol	75		84		11-114	11		50
2,4-Dinitrophenol	52		68		4-130	27		50
4,6-Dinitro-o-cresol	71		83		10-130	16		50
Pentachlorophenol	66		76		17-109	14		50
Phenol	66		57		26-90	15		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305580

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599139-2 WG599139-3								
2-Methylphenol	66		56		30-130.	16		50
3-Methylphenol/4-Methylphenol	65		58		30-130	11		50
2,4,5-Trichlorophenol	79		80		30-130	1		50
Benzoic Acid	14		29			**70**	Q	50
Benzyl Alcohol	65		56		40-140	15		50
Carbazole	67		72		54-128	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		52		25-120
Phenol-d6	69		56		10-120
Nitrobenzene-d5	64		52		23-120
2-Fluorobiphenyl	72		64		30-120
2,4,6-Tribromophenol	80		83		0-136
4-Terphenyl-d14	77		80		18-120

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305580
Project Number: Not Specified
Report Date: 04/17/13

SAMPLE RESULTS

Lab ID: L1305580-01
Client ID: E005015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 74%

Date Collected: 04/01/13 17:20
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	14		mg/kg	0.53	0.10	1	04/05/13 14:20	04/08/13 16:44	EPA 3050B	1,6010C	MS
Mercury, Total	0.18		mg/kg	0.09	0.02	1	04/09/13 08:33	04/09/13 12:06	EPA 7471B	1,7471B	MC

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305580
Project Number: Not Specified
Report Date: 04/17/13

SAMPLE RESULTS

Lab ID: L1305580-02
Client ID: E012015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 76%

Date Collected: 04/01/13 17:40
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	55		mg/kg	0.50	0.10	1	04/05/13 14:20	04/08/13 16:52	EPA 3050B	1,6010C	MS
Mercury, Total	0.37		mg/kg	0.11	0.02	1	04/09/13 08:33	04/09/13 12:07	EPA 7471B	1,7471B	MC

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305580

Project Number: Not Specified **Report Date:** 04/17/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG599875-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Barium, Total	ND		mg/kg	0.40	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Copper, Total	ND		mg/kg	0.40	0.20	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Lead, Total	ND		mg/kg	2.0	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Silver, Total	ND		mg/kg	0.40	0.08	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Zinc, Total	ND		mg/kg	2.0	0.20	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG600212-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/09/13 08:33	04/09/13 11:28	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305580

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG599875-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	96		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Chromium, Total	101		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	101		-		80-120	-		
Nickel, Total	99		-		82-117	-		
Selenium, Total	98		-		80-120	-		
Silver, Total	98		-		66-134	-		
Zinc, Total	103		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG600212-2 SRM Lot Number: 0518-10-02								
Mercury, Total	108		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305580
Report Date: 04/17/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599875-4 QC Sample: L1305558-01 Client ID: MS Sample												
Arsenic, Total	8.5	14.7	29	**139**	Q	-	-		75-125	-		35
Barium, Total	370	246	620	102		-	-		75-125	-		35
Beryllium, Total	1.8	6.14	9.2	120		-	-		75-125	-		35
Cadmium, Total	0.52J	6.27	68	108		-	-		75-125	-		35
Chromium, Total	36.	24.6	68	**130**	Q	-	-		75-125	-		35
Copper, Total	10.	30.7	50	**130**	Q	-	-		75-125	-		35
Lead, Total	14.	62.7	95	**129**	Q	-	-		75-125	-		35
Nickel, Total	24.	61.4	91	109		-	-		75-125	-		35
Selenium, Total	5.6	14.7	24	125		-	-		75-125	-		35
Silver, Total	0.37J	36.9	49	**133**	Q	-	-		75-125	-		35
Zinc, Total	130	61.4	210	**130**	Q	-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600212-4 QC Sample: L1305558-01 Client ID: MS Sample												
Mercury, Total	0.07J	0.254	0.31	122		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305580
Report Date: 04/17/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599875-3 QC Sample: L1305558-01 Client ID: DUP Sample						
Barium, Total	370	410	mg/kg	10		35
Chromium, Total	36.	50	mg/kg	33		35
Zinc, Total	130	170	mg/kg	27		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600212-3 QC Sample: L1305558-01 Client ID: DUP Sample						
Mercury, Total	0.07J	0.04J	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305580
Report Date: 04/17/13

SAMPLE RESULTS

Lab ID: L1305580-01
Client ID: E005015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/01/13 17:20
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.2		%	0.100	NA	1	-	04/03/13 19:35	30,2540G	RD

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305580
Report Date: 04/17/13

SAMPLE RESULTS

Lab ID: L1305580-02
Client ID: E012015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/01/13 17:40
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.7		%	0.100	NA	1	-	04/03/13 19:35	30,2540G	RD

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305580
Report Date: 04/17/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599356-1 QC Sample: L1305527-01 Client ID: DUP Sample						
Solids, Total	86.3	85.8	%	1		20

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305580
Report Date: 04/17/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 04/03/2013 01:39

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305580-01A	Vial MeOH preserved	A	N/A	3.0	Y	Absent	NYTCL-8260HLW(14)
L1305580-01B	Vial water preserved	A	N/A	3.0	Y	Absent	NYTCL-8260HLW(14)
L1305580-01C	Vial water preserved	A	N/A	3.0	Y	Absent	NYTCL-8260HLW(14)
L1305580-01D	Plastic 2oz unpreserved for TS	A	N/A	3.0	Y	Absent	TS(7)
L1305580-01E	Amber 120ml unpreserved	A	N/A	3.0	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305580-01F	Amber 250ml unpreserved	A	N/A	3.0	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305580-02A	Vial MeOH preserved	A	N/A	3.0	Y	Absent	NYTCL-8260HLW(14)
L1305580-02B	Vial water preserved	A	N/A	3.0	Y	Absent	NYTCL-8260HLW(14)
L1305580-02C	Vial water preserved	A	N/A	3.0	Y	Absent	NYTCL-8260HLW(14)
L1305580-02D	Plastic 2oz unpreserved for TS	A	N/A	3.0	Y	Absent	TS(7)
L1305580-02E	Amber 120ml unpreserved	A	N/A	3.0	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305580
Report Date: 04/17/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305580-02F	Amber 250ml unpreserved	A	N/A	3.0	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305580
Project Number:	Not Specified	**Report Date:**	04/17/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305580
Project Number:	Not Specified	**Report Date:**	04/17/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305580
Project Number:	Not Specified	**Report Date:**	04/17/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL — World Class Chemistry

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab: 4/2/13

ALPHA Job #: L1305580

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/9/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Detection limits to meet NYSDEC Part 375 Requirements (Unrestricted)
Find %Moisture of each aliquot and calculate average for use as %Moisture of associated composite sample

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs-See attached list	Hexavalent Chromium-Hold	Cyanide-Hold	Metals-See attached list-Hold	PCBs-Hold	SVOCs-See atached list-Hold							Sample Specific Comments	TOTAL # BOTTLES
05580.1	E005015	4/1	1720	S	SK	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		
2	E012015	4/1	1740	S	SK	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

Container Type	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/2 1210	Robert Haines	4/2/13 1210
Robert Haines	4/2/13 2335	[signature]	4/2/13 2335

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ)
(rev. 5-JAN-12)

ANALYTICAL REPORT

Lab Number:	L1305579
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/10/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305579
Report Date: 04/10/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305579-01	E018E019	GLENS FALLS NEW YORK	04/02/13 10:00

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305579
Project Number: Not Specified **Report Date:** 04/10/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305579
Project Number:	Not Specified	**Report Date:**	04/10/13

Case Narrative (continued)

Report Submission

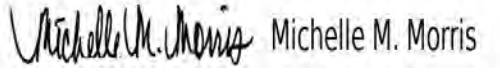
All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

At the client's request, the sample was not analyzed for PCBs.

Solids, Total

L1305579-01: The average result from the original samples is reported; the Duplicate was performed with original batch.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Michelle M. Morris

Title: Technical Director/Representative Date: 04/10/13

ORGANICS

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305579

Project Number: Not Specified **Report Date:** 04/10/13

SAMPLE RESULTS

Lab ID:	L1305579-01	Date Collected:	04/02/13 10:00
Client ID:	E018E019	Date Received:	04/02/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/03/13 07:50
Analytical Date:	04/09/13 21:50		
Analyst:	JB		
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	58.	1
Dimethyl phthalate	ND		ug/kg	220	56.	1
Benzo(a)anthracene	ND		ug/kg	130	43.	1
Benzo(a)pyrene	ND		ug/kg	180	54.	1
Benzo(b)fluoranthene	ND		ug/kg	130	44.	1
Benzo(k)fluoranthene	ND		ug/kg	130	42.	1
Chrysene	ND		ug/kg	130	43.	1
Fluorene	ND		ug/kg	220	63.	1
Phenanthrene	ND		ug/kg	130	43.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	43.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	180	49.	1
2-Chlorophenol	ND		ug/kg	220	66.	1
Pentachlorophenol	ND		ug/kg	180	47.	1
Phenol	ND		ug/kg	220	65.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	72.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	99		25-120
Phenol-d6	103		10-120
Nitrobenzene-d5	104		23-120
2-Fluorobiphenyl	104		30-120
2,4,6-Tribromophenol	129		0-136
4-Terphenyl-d14	116		18-120

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305579
Report Date: 04/10/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/08/13 22:14
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 04/03/13 07:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG599139-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	83	22.
Dimethyl phthalate	ND		ug/kg	83	21.
Benzo(a)anthracene	ND		ug/kg	50	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	50	17.
Benzo(k)fluoranthene	ND		ug/kg	50	16.
Chrysene	ND		ug/kg	50	16.
Fluorene	ND		ug/kg	83	24.
Phenanthrene	ND		ug/kg	50	16.
Dibenzo(a,h)anthracene	ND		ug/kg	50	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	83	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	83	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	47		30-120
2,4,6-Tribromophenol	48		0-136
4-Terphenyl-d14	51		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305579

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599139-2 WG599139-3								
Acenaphthene	61		58		31-137	5		50
1,2,4-Trichlorobenzene	61		49		38-107	22		50
Hexachlorobenzene	68		74		40-140	8		50
Bis(2-chloroethyl)ether	56		44		40-140	24		50
2-Chloronaphthalene	68		61		40-140	11		50
1,2-Dichlorobenzene	61		48		40-140	24		50
1,3-Dichlorobenzene	58		45		40-140	25		50
1,4-Dichlorobenzene	59		46		28-104	25		50
3,3'-Dichlorobenzidine	**35**	Q	47		40-140	29		50
2,4-Dinitrotoluene	76		85		28-89	11		50
2,6-Dinitrotoluene	73		78		40-140	7		50
Fluoranthene	70		74		40-140	6		50
4-Chlorophenyl phenyl ether	67		69		40-140	3		50
4-Bromophenyl phenyl ether	71		75		40-140	5		50
Bis(2-chloroisopropyl)ether	54		44		40-140	20		50
Bis(2-chloroethoxy)methane	61		53		40-117	14		50
Hexachlorobutadiene	63		50		40-140	23		50
Hexachlorocyclopentadiene	47		42		40-140	11		50
Hexachloroethane	58		44		40-140	27		50
Isophorone	60		54		40-140	11		50
Naphthalene	60		49		40-140	20		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305579
Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599139-2 WG599139-3								
Nitrobenzene	60		49		40-140	20		50
NitrosoDiPhenylAmine(NDPA)/DPA	67		72			7		50
n-Nitrosodi-n-propylamine	57		49		32-121	15		50
Bis(2-Ethylhexyl)phthalate	65		70		40-140	7		50
Butyl benzyl phthalate	70		76		40-140	8		50
Di-n-butylphthalate	69		75		40-140	8		50
Di-n-octylphthalate	69		76		40-140	10		50
Diethyl phthalate	65		71		40-140	9		50
Dimethyl phthalate	64		68		40-140	6		50
Benzo(a)anthracene	66		70		40-140	6		50
Benzo(a)pyrene	69		72		40-140	4		50
Benzo(b)fluoranthene	72		76		40-140	5		50
Benzo(k)fluoranthene	65		67		40-140	3		50
Chrysene	64		67		40-140	5		50
Acenaphthylene	69		66		40-140	4		50
Anthracene	66		70		40-140	6		50
Benzo(ghi)perylene	68		68		40-140	0		50
Fluorene	67		69		40-140	3		50
Phenanthrene	64		67		40-140	5		50
Dibenzo(a,h)anthracene	71		74		40-140	4		50
Indeno(1,2,3-cd)Pyrene	70		71		40-140	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305579

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599139-2 WG599139-3								
Pyrene	69		73		35-142	6		50
Biphenyl	62		57			8		50
4-Chloroaniline	**18**	Q	**29**	Q	40-140	47		50
2-Nitroaniline	75		81		47-134	8		50
3-Nitroaniline	35		50		26-129	35		50
4-Nitroaniline	70		78		41-125	11		50
Dibenzofuran	64		64		40-140	0		50
2-Methylnaphthalene	64		55		40-140	15		50
1,2,4,5-Tetrachlorobenzene	64		55		40-117	15		50
Acetophenone	66		57		14-144	15		50
2,4,6-Trichlorophenol	76		74		30-130	3		50
P-Chloro-M-Cresol	71		72		26-103	1		50
2-Chlorophenol	65		53		25-102	20		50
2,4-Dichlorophenol	74		65		30-130	13		50
2,4-Dimethylphenol	66		59		30-130	11		50
2-Nitrophenol	66		57		30-130	15		50
4-Nitrophenol	75		84		11-114	11		50
2,4-Dinitrophenol	52		68		4-130	27		50
4,6-Dinitro-o-cresol	71		83		10-130	16		50
Pentachlorophenol	66		76		17-109	14		50
Phenol	66		57		26-90	15		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305579

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599139-2 WG599139-3								
2-Methylphenol	66		56		30-130.	16		50
3-Methylphenol/4-Methylphenol	65		58		30-130	11		50
2,4,5-Trichlorophenol	79		80		30-130	1		50
Benzoic Acid	14		29			**70**	Q	50
Benzyl Alcohol	65		56		40-140	15		50
Carbazole	67		72		54-128	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		52		25-120
Phenol-d6	69		56		10-120
Nitrobenzene-d5	64		52		23-120
2-Fluorobiphenyl	72		64		30-120
2,4,6-Tribromophenol	80		83		0-136
4-Terphenyl-d14	77		80		18-120

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305579
Project Number: Not Specified
Report Date: 04/10/13

SAMPLE RESULTS

Lab ID: L1305579-01
Client ID: E018E019
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 74%

Date Collected: 04/02/13 10:00
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	3.5		mg/kg	0.52	0.16	2	04/05/13 14:02	04/09/13 18:17	EPA 3050B	1,6010C	MS
Barium, Total	91		mg/kg	0.52	0.16	2	04/05/13 14:02	04/09/13 18:17	EPA 3050B	1,6010C	MS
Beryllium, Total	0.75		mg/kg	0.26	0.02	2	04/05/13 14:02	04/09/13 18:17	EPA 3050B	1,6010C	MS
Cadmium, Total	ND		mg/kg	0.52	0.03	2	04/05/13 14:02	04/09/13 18:17	EPA 3050B	1,6010C	MS
Chromium, Total	22		mg/kg	0.52	0.10	2	04/05/13 14:02	04/09/13 18:17	EPA 3050B	1,6010C	MS
Copper, Total	10		mg/kg	0.52	0.26	2	04/05/13 14:02	04/09/13 18:17	EPA 3050B	1,6010C	MS
Lead, Total	16		mg/kg	2.6	0.16	2	04/05/13 14:02	04/09/13 18:17	EPA 3050B	1,6010C	MS
Mercury, Total	0.04	J	mg/kg	0.19	0.02	2	04/09/13 08:33	04/09/13 12:00	EPA 7471B	1,7471B	MC
Nickel, Total	18		mg/kg	1.3	0.21	2	04/05/13 14:02	04/09/13 18:17	EPA 3050B	1,6010C	MS
Selenium, Total	0.59	J	mg/kg	1.0	0.16	2	04/05/13 14:02	04/09/13 18:17	EPA 3050B	1,6010C	MS
Silver, Total	ND		mg/kg	0.52	0.10	2	04/05/13 14:02	04/09/13 18:17	EPA 3050B	1,6010C	MS
Zinc, Total	54		mg/kg	2.6	0.26	2	04/05/13 14:02	04/09/13 18:17	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305579

Project Number: Not Specified **Report Date:** 04/10/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG599875-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Barium, Total	ND		mg/kg	0.40	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Copper, Total	ND		mg/kg	0.40	0.20	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Lead, Total	ND		mg/kg	2.0	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Silver, Total	ND		mg/kg	0.40	0.08	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Zinc, Total	ND		mg/kg	2.0	0.20	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG600212-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/09/13 08:33	04/09/13 11:28	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305579

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG599875-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	96		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Chromium, Total	101		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	101		-		80-120	-		
Nickel, Total	99		-		82-117	-		
Selenium, Total	98		-		80-120	-		
Silver, Total	98		-		66-134	-		
Zinc, Total	103		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG600212-2 SRM Lot Number: 0518-10-02								
Mercury, Total	108		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305579
Report Date: 04/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599875-4 QC Sample: L1305558-01 Client ID: MS Sample												
Arsenic, Total	8.5	14.7	29	**139**	Q	-	-		75-125	-		35
Barium, Total	370	246	620	102		-	-		75-125	-		35
Beryllium, Total	1.8	6.14	9.2	120		-	-		75-125	-		35
Cadmium, Total	0.52J	6.27	68	108		-	-		75-125	-		35
Chromium, Total	36.	24.6	68	**130**	Q	-	-		75-125	-		35
Copper, Total	10.	30.7	50	**130**	Q	-	-		75-125	-		35
Lead, Total	14.	62.7	95	**129**	Q	-	-		75-125	-		35
Nickel, Total	24.	61.4	91	109		-	-		75-125	-		35
Selenium, Total	5.6	14.7	24	125		-	-		75-125	-		35
Silver, Total	0.37J	36.9	49	**133**	Q	-	-		75-125	-		35
Zinc, Total	130	61.4	210	**130**	Q	-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600212-4 QC Sample: L1305558-01 Client ID: MS Sample												
Mercury, Total	0.07J	0.254	0.31	122		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305579
Report Date: 04/10/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599875-3 QC Sample: L1305558-01 Client ID: DUP Sample						
Arsenic, Total	8.5	9.8	mg/kg	14		35
Barium, Total	370	410	mg/kg	10		35
Beryllium, Total	1.8	2.2	mg/kg	20		35
Cadmium, Total	0.52J	1.2J	mg/kg	NC		35
Chromium, Total	36.	50	mg/kg	33		35
Copper, Total	10.	14	mg/kg	33		35
Lead, Total	14.	19	mg/kg	30		35
Nickel, Total	24.	32	mg/kg	29		35
Selenium, Total	5.6	7.1	mg/kg	24		35
Silver, Total	0.37J	0.41J	mg/kg	NC		35
Zinc, Total	130	170	mg/kg	27		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600212-3 QC Sample: L1305558-01 Client ID: DUP Sample						
Mercury, Total	0.07J	0.04J	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305579
Report Date: 04/10/13

SAMPLE RESULTS

Lab ID: L1305579-01
Client ID: E018E019
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/02/13 10:00
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.3		%	0.100	NA	1	-	04/03/13 19:35	30,2540G	RD
Cyanide, Total	ND		mg/kg	1.3	0.30	2	04/03/13 10:08	04/04/13 15:46	1,9010C/9012A	JO

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305579

Project Number: Not Specified **Report Date:** 04/10/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG599327-1										
Cyanide, Total	ND		mg/kg	0.94	0.22	1	04/03/13 10:08	04/04/13 15:17	1,9010C/9012A	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305579

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG599327-4 WG599327-5								
Cyanide, Total	111		112		80-120	1		35

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305579
Report Date: 04/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599327-3 WG599327-2 QC Sample: L1305611-23 Client ID: MS Sample												
Cyanide, Total	ND	10	11	100		11	100		65-135	0		35

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305579
Project Number:	Not Specified	**Report Date:**	04/10/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305579
Project Number:	Not Specified	**Report Date:**	04/10/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305579
Project Number:	Not Specified	**Report Date:**	04/10/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF COUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
World Class Chemistry

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/2/13

ALPHA Job #: L1305579

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/9/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Extract/Digest Sample E018015 and Sample E019015.
Composite and analyze Extract/Digestate as Sample inidicated below.
Detection limits to meet NYSDEC Part 375 Requirements (0.5 x Unrestricted)
Use average of associated aliquot %Moisture for result calculations

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cyanide	Metals-See attached list (no Cr6+)	PCBs	SVOCs-See attached list									Sample Specific Comments	TOTAL # BOTTLES
05579.1	E018E019	4/2	1000	S	[illegible]	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐		

Container Type	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/2 1210	[signature]	4/2/13 1210
[signature]	4/2/13 2335	[signature]	4/2/13 2335

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ)
(rev. 5-JAN-12)

JOB: L1305577 REPORT STYLE: Data Usability Report
001: Cover & Signature Pages - OK
006: Narrative Page(s) - OK
010: Cover Page - OK
011: Volatiles Sample Results - OK
012: Volatiles Blank Report - OK
013: Volatiles LCS Report - OK
018: Cover Page - OK
020: Semivolatiles Blank Report - OK
021: Semivolatiles LCS Report - OK
100: Metals Sample Results - OK
101: Metals Blank Report - OK
102: Metals LCS Report - OK
104: Metals Matrix Spike Report - OK
105: Metals Duplicate Report - OK
118: Cover Page - OK
120: Wet Chemistry Sample Results - OK
125: Wet Chemistry Duplicate Report - OK
510: Container Report - OK
520: Glossary - OK
540: Reference Report - OK

No results found for sample L1305577-01 for product AG-TI
No results found for sample L1305577-01 for product AS-TI
No results found for sample L1305577-01 for product BA-TI
No results found for sample L1305577-01 for product BE-TI
No results found for sample L1305577-01 for product CD-TI
No results found for sample L1305577-01 for product CU-TI
No results found for sample L1305577-01 for product HG-T
No results found for sample L1305577-01 for product NYTCL-8270
No results found for sample L1305577-01 for product PB-TI
No results found for sample L1305577-01 for product SE-TI
No results found for sample L1305577-01 for product TCN-9010
No results found for sample L1305577-01 for product ZN-TI
No results found for sample L1305577-02 for product AG-TI
No results found for sample L1305577-02 for product AS-TI
No results found for sample L1305577-02 for product BA-TI
No results found for sample L1305577-02 for product BE-TI
No results found for sample L1305577-02 for product CD-TI
No results found for sample L1305577-02 for product CU-TI
No results found for sample L1305577-02 for product HG-T
No results found for sample L1305577-02 for product NYTCL-8270
No results found for sample L1305577-02 for product PB-TI
No results found for sample L1305577-02 for product SE-TI

No results found for sample L1305577-02 for product TCN-9010
No results found for sample L1305577-02 for product ZN-TI

ANALYTICAL REPORT

Lab Number:	L1305577
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/17/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305577
Report Date: 04/17/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305577-01	E018015	GLENS FALLS NEW YORK	04/02/13 09:30
L1305577-02	E019015	GLENS FALLS NEW YORK	04/02/13 10:00

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305577
Project Number: Not Specified **Report Date:** 04/17/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305577
Project Number:	Not Specified	**Report Date:**	04/17/13

Case Narrative (continued)

Report Submission

This partial report replaces the partial report issued on April 9, 2013. At the client's request, the samples were additionally analyzed for Total Chromium and Nickel. A final report will be issued as soon as the results of all requested analyses become available.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 04/17/13

ORGANICS

VOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305577

Project Number: Not Specified **Report Date:** 04/17/13

SAMPLE RESULTS

Lab ID:	L1305577-01	Date Collected:	04/02/13 09:30
Client ID:	E018015	Date Received:	04/02/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/03/13 16:53		
Analyst:	BN		
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.5	0.37	1
Carbon tetrachloride	ND		ug/kg	0.99	0.21	1
Chlorobenzene	ND		ug/kg	0.99	0.34	1
1,2-Dichloroethane	ND		ug/kg	0.99	0.14	1
Benzene	ND		ug/kg	0.99	0.12	1
Toluene	ND		ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	0.99	0.15	1
Chloromethane	ND		ug/kg	5.0	0.78	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	0.99	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	0.99	0.15	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	101		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305577

Project Number: Not Specified **Report Date:** 04/17/13

SAMPLE RESULTS

Lab ID:	L1305577-02	Date Collected:	04/02/13 10:00
Client ID:	E019015	Date Received:	04/02/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/03/13 17:21		
Analyst:	BN		
Percent Solids:	71%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.5	0.36	1
Carbon tetrachloride	ND		ug/kg	0.98	0.20	1
Chlorobenzene	ND		ug/kg	0.98	0.34	1
1,2-Dichloroethane	ND		ug/kg	0.98	0.14	1
Benzene	ND		ug/kg	0.98	0.12	1
Toluene	ND		ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	0.98	0.14	1
Chloromethane	ND		ug/kg	4.9	0.76	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	0.98	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	4.9	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	4.9	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	4.9	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	0.98	0.14	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	102		70-130

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305577
Report Date: 04/17/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/03/13 12:11
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG599355-3					
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.25	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Vinyl chloride	ND		ug/kg	2.0	0.14
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305577

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599355-1 WG599355-2								
Methylene chloride	110		109		70-130	1		30
1,1-Dichloroethane	110		107		70-130	3		30
Chloroform	106		102		70-130	4		30
Carbon tetrachloride	104		97		70-130	7		30
1,2-Dichloropropane	108		106		70-130	2		30
Dibromochloromethane	99		98		70-130	1		30
2-Chloroethylvinyl ether	108		106			2		30
1,1,2-Trichloroethane	106		108		70-130	2		30
Tetrachloroethene	101		95		70-130	6		30
Chlorobenzene	101		98		70-130	3		30
Trichlorofluoromethane	110		106		70-139	4		30
1,2-Dichloroethane	110		109		70-130	1		30
1,1,1-Trichloroethane	106		101		70-130	5		30
Bromodichloromethane	105		104		70-130	1		30
trans-1,3-Dichloropropene	107		106		70-130	1		30
cis-1,3-Dichloropropene	107		103		70-130	4		30
1,1-Dichloropropene	107		104		70-130	3		30
Bromoform	96		96		70-130	0		30
1,1,2,2-Tetrachloroethane	103		105		70-130	2		30
Benzene	107		103		70-130	4		30
Toluene	104		100		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305577

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599355-1 WG599355-2								
Ethylbenzene	104		100		70-130	4		30
Chloromethane	**143**	Q	**138**	Q	52-130	4		30
Bromomethane	122		117		57-147	4		30
Vinyl chloride	129		123		67-130	5		30
Chloroethane	118		115		50-151	3		30
1,1-Dichloroethene	111		105		65-135	6		30
trans-1,2-Dichloroethene	105		101		70-130	4		30
Trichloroethene	106		102		70-130	4		30
1,2-Dichlorobenzene	97		96		70-130	1		30
1,3-Dichlorobenzene	99		96		70-130	3		30
1,4-Dichlorobenzene	98		96		70-130	2		30
Methyl tert butyl ether	104		105		66-130	1		30
p/m-Xylene	103		99		70-130	4		30
o-Xylene	101		99		70-130	2		30
cis-1,2-Dichloroethene	102		100		70-130	2		30
Dibromomethane	108		107		70-130	1		30
Styrene	103		100		70-130	3		30
Dichlorodifluoromethane	136		129		30-146	5		30
Acetone	**143**	Q	135		54-140	6		30
Carbon disulfide	112		105		59-130	6		30
2-Butanone	128		127		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305577

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599355-1 WG599355-2								
Vinyl acetate	114		115		70-130	1		30
4-Methyl-2-pentanone	100		104		70-130	4		30
1,2,3-Trichloropropane	106		109		68-130	3		30
2-Hexanone	115		116		70-130	1		30
Bromochloromethane	104		101		70-130	3		30
2,2-Dichloropropane	112		105		70-130	6		30
1,2-Dibromoethane	101		101		70-130	0		30
1,3-Dichloropropane	105		103		69-130	2		30
1,1,1,2-Tetrachloroethane	99		99		70-130	0		30
Bromobenzene	96		94		70-130	2		30
n-Butylbenzene	108		103		70-130	5		30
sec-Butylbenzene	103		99		70-130	4		30
tert-Butylbenzene	99		95		70-130	4		30
o-Chlorotoluene	98		105		70-130	7		30
p-Chlorotoluene	106		101		70-130	5		30
1,2-Dibromo-3-chloropropane	101		104		68-130	3		30
Hexachlorobutadiene	104		100		67-130	4		30
Isopropylbenzene	100		96		70-130	4		30
p-Isopropyltoluene	101		98		70-130	3		30
Naphthalene	92		95		70-130	3		30
Acrylonitrile	112		114		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305577

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599355-1 WG599355-2								
Isopropyl Ether	113		110		66-130	3		30
tert-Butyl Alcohol	111		119		70-130	7		30
n-Propylbenzene	103		100		70-130	3		30
1,2,3-Trichlorobenzene	97		96		70-130	1		30
1,2,4-Trichlorobenzene	97		95		70-130	2		30
1,3,5-Trimethylbenzene	104		99		70-130	5		30
1,2,4-Trimethylbenzene	103		100		70-130	3		30
Methyl Acetate	113		120		70-130	6		30
Ethyl Acetate	107		118		70-130	10		30
Acrolein	115		122		70-130	6		30
Cyclohexane	115		108		70-130	6		30
1,4-Dioxane	96		103		65-136	7		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	108		105		70-130	3		30
1,4-Diethylbenzene	103		98		70-130	5		30
4-Ethyltoluene	102		98		70-130	4		30
1,2,4,5-Tetramethylbenzene	99		97		70-130	2		30
Tetrahydrofuran	108		117		66-130	8		30
Ethyl ether	102		102		67-130	0		30
trans-1,4-Dichloro-2-butene	120		123		70-130	2		30
Methyl cyclohexane	104		99		70-130	5		30
Ethyl-Tert-Butyl-Ether	108		106		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305577

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599355-1 WG599355-2								
Tertiary-Amyl Methyl Ether	103		102		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		107		70-130
Toluene-d8	103		103		70-130
4-Bromofluorobenzene	102		102		70-130
Dibromofluoromethane	100		100		70-130

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305577
Report Date: 04/17/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/08/13 22:14
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 04/03/13 07:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG599139-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	83	22.
Dimethyl phthalate	ND		ug/kg	83	21.
Benzo(a)anthracene	ND		ug/kg	50	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	50	17.
Benzo(k)fluoranthene	ND		ug/kg	50	16.
Chrysene	ND		ug/kg	50	16.
Fluorene	ND		ug/kg	83	24.
Phenanthrene	ND		ug/kg	50	16.
Dibenzo(a,h)anthracene	ND		ug/kg	50	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	83	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	83	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	47		30-120
2,4,6-Tribromophenol	48		0-136
4-Terphenyl-d14	51		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305577

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599139-2 WG599139-3								
Acenaphthene	61		58		31-137	5		50
1,2,4-Trichlorobenzene	61		49		38-107	22		50
Hexachlorobenzene	68		74		40-140	8		50
Bis(2-chloroethyl)ether	56		44		40-140	24		50
2-Chloronaphthalene	68		61		40-140	11		50
1,2-Dichlorobenzene	61		48		40-140	24		50
1,3-Dichlorobenzene	58		45		40-140	25		50
1,4-Dichlorobenzene	59		46		28-104	25		50
3,3'-Dichlorobenzidine	**35**	Q	47		40-140	29		50
2,4-Dinitrotoluene	76		85		28-89	11		50
2,6-Dinitrotoluene	73		78		40-140	7		50
Fluoranthene	70		74		40-140	6		50
4-Chlorophenyl phenyl ether	67		69		40-140	3		50
4-Bromophenyl phenyl ether	71		75		40-140	5		50
Bis(2-chloroisopropyl)ether	54		44		40-140	20		50
Bis(2-chloroethoxy)methane	61		53		40-117	14		50
Hexachlorobutadiene	63		50		40-140	23		50
Hexachlorocyclopentadiene	47		42		40-140	11		50
Hexachloroethane	58		44		40-140	27		50
Isophorone	60		54		40-140	11		50
Naphthalene	60		49		40-140	20		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305577

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599139-2 WG599139-3								
Nitrobenzene	60		49		40-140	20		50
NitrosoDiPhenylAmine(NDPA)/DPA	67		72			7		50
n-Nitrosodi-n-propylamine	57		49		32-121	15		50
Bis(2-Ethylhexyl)phthalate	65		70		40-140	7		50
Butyl benzyl phthalate	70		76		40-140	8		50
Di-n-butylphthalate	69		75		40-140	8		50
Di-n-octylphthalate	69		76		40-140	10		50
Diethyl phthalate	65		71		40-140	9		50
Dimethyl phthalate	64		68		40-140	6		50
Benzo(a)anthracene	66		70		40-140	6		50
Benzo(a)pyrene	69		72		40-140	4		50
Benzo(b)fluoranthene	72		76		40-140	5		50
Benzo(k)fluoranthene	65		67		40-140	3		50
Chrysene	64		67		40-140	5		50
Acenaphthylene	69		66		40-140	4		50
Anthracene	66		70		40-140	6		50
Benzo(ghi)perylene	68		68		40-140	0		50
Fluorene	67		69		40-140	3		50
Phenanthrene	64		67		40-140	5		50
Dibenzo(a,h)anthracene	71		74		40-140	4		50
Indeno(1,2,3-cd)Pyrene	70		71		40-140	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305577

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599139-2 WG599139-3								
Pyrene	69		73		35-142	6		50
Biphenyl	62		57			8		50
4-Chloroaniline	**18**	Q	**29**	Q	40-140	47		50
2-Nitroaniline	75		81		47-134	8		50
3-Nitroaniline	35		50		26-129	35		50
4-Nitroaniline	70		78		41-125	11		50
Dibenzofuran	64		64		40-140	0		50
2-Methylnaphthalene	64		55		40-140	15		50
1,2,4,5-Tetrachlorobenzene	64		55		40-117	15		50
Acetophenone	66		57		14-144	15		50
2,4,6-Trichlorophenol	76		74		30-130	3		50
P-Chloro-M-Cresol	71		72		26-103	1		50
2-Chlorophenol	65		53		25-102	20		50
2,4-Dichlorophenol	74		65		30-130	13		50
2,4-Dimethylphenol	66		59		30-130	11		50
2-Nitrophenol	66		57		30-130	15		50
4-Nitrophenol	75		84		11-114	11		50
2,4-Dinitrophenol	52		68		4-130	27		50
4,6-Dinitro-o-cresol	71		83		10-130	16		50
Pentachlorophenol	66		76		17-109	14		50
Phenol	66		57		26-90	15		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305577

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599139-2 WG599139-3								
2-Methylphenol	66		56		30-130.	16		50
3-Methylphenol/4-Methylphenol	65		58		30-130	11		50
2,4,5-Trichlorophenol	79		80		30-130	1		50
Benzoic Acid	14		29			**70**	Q	50
Benzyl Alcohol	65		56		40-140	15		50
Carbazole	67		72		54-128	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		52		25-120
Phenol-d6	69		56		10-120
Nitrobenzene-d5	64		52		23-120
2-Fluorobiphenyl	72		64		30-120
2,4,6-Tribromophenol	80		83		0-136
4-Terphenyl-d14	77		80		18-120

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305577
Project Number: Not Specified
Report Date: 04/17/13

SAMPLE RESULTS

Lab ID: L1305577-01
Client ID: E018015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 77%

Date Collected: 04/02/13 09:30
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	26		mg/kg	0.49	0.10	1	04/05/13 14:20	04/08/13 16:39	EPA 3050B	1,6010C	MS
Nickel, Total	20		mg/kg	1.2	0.20	1	04/05/13 14:20	04/08/13 16:39	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305577
Project Number: Not Specified
Report Date: 04/17/13

SAMPLE RESULTS

Lab ID: L1305577-02
Client ID: E019015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 71%

Date Collected: 04/02/13 10:00
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	16		mg/kg	0.55	0.11	1	04/05/13 14:20	04/08/13 16:41	EPA 3050B	1,6010C	MS
Nickel, Total	11		mg/kg	1.4	0.22	1	04/05/13 14:20	04/08/13 16:41	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305577

Project Number: Not Specified **Report Date:** 04/17/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG599875-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Barium, Total	ND		mg/kg	0.40	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Copper, Total	ND		mg/kg	0.40	0.20	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Lead, Total	ND		mg/kg	2.0	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Silver, Total	ND		mg/kg	0.40	0.08	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Zinc, Total	ND		mg/kg	2.0	0.20	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG600212-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/09/13 08:33	04/09/13 11:28	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305577

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG599875-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	96		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Chromium, Total	101		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	101		-		80-120	-		
Nickel, Total	99		-		82-117	-		
Selenium, Total	98		-		80-120	-		
Silver, Total	98		-		66-134	-		
Zinc, Total	103		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG600212-2 SRM Lot Number: 0518-10-02								
Mercury, Total	108		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305577
Report Date: 04/17/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599875-4 QC Sample: L1305558-01 Client ID: MS Sample												
Arsenic, Total	8.5	14.7	29	**139**	Q	-	-		75-125	-		35
Barium, Total	370	246	620	102		-	-		75-125	-		35
Beryllium, Total	1.8	6.14	9.2	120		-	-		75-125	-		35
Cadmium, Total	0.52J	6.27	68	108		-	-		75-125	-		35
Chromium, Total	36.	24.6	68	**130**	Q	-	-		75-125	-		35
Copper, Total	10.	30.7	50	**130**	Q	-	-		75-125	-		35
Lead, Total	14.	62.7	95	**129**	Q	-	-		75-125	-		35
Nickel, Total	24.	61.4	91	109		-	-		75-125	-		35
Selenium, Total	5.6	14.7	24	125		-	-		75-125	-		35
Silver, Total	0.37J	36.9	49	**133**	Q	-	-		75-125	-		35
Zinc, Total	130	61.4	210	**130**	Q	-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600212-4 QC Sample: - Client ID: -												
Mercury, Total	ND	0.254	0.31	122		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305577
Report Date: 04/17/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599875-3 QC Sample: L1305558-01 Client ID: DUP Sample						
Barium, Total	370	410	mg/kg	10		35
Chromium, Total	36.	50	mg/kg	33		35
Zinc, Total	130	170	mg/kg	27		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305577
Report Date: 04/17/13

SAMPLE RESULTS

Lab ID: L1305577-01
Client ID: E018015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/02/13 09:30
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.4		%	0.100	NA	1	-	04/03/13 19:35	30,2540G	RD

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305577
Report Date: 04/17/13

SAMPLE RESULTS

Lab ID: L1305577-02
Client ID: E019015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/02/13 10:00
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	71.2		%	0.100	NA	1	-	04/03/13 19:35	30,2540G	RD

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305577
Report Date: 04/17/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599356-1 QC Sample: L1305527-01 Client ID: DUP Sample						
Solids, Total	86.3	85.8	%	1		20

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305577
Report Date: 04/17/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 04/03/2013 02:16

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305577-01A	Vial MeOH preserved	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1305577-01B	Vial water preserved	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1305577-01C	Vial water preserved	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1305577-01D	Plastic 2oz unpreserved for TS	A	N/A	2.6	Y	Absent	TS(7)
L1305577-01E	Amber 120ml unpreserved	A	N/A	2.6	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305577-01F	Amber 250ml unpreserved	A	N/A	2.6	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305577-02A	Vial MeOH preserved	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1305577-02B	Vial water preserved	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1305577-02C	Vial water preserved	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1305577-02D	Plastic 2oz unpreserved for TS	A	N/A	2.6	Y	Absent	TS(7)
L1305577-02E	Amber 120ml unpreserved	A	N/A	2.6	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305577
Report Date: 04/17/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305577-02F	Amber 250ml unpreserved	A	N/A	2.6	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305577
Project Number:	Not Specified	**Report Date:**	04/17/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305577
Project Number:	Not Specified	**Report Date:**	04/17/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305577
Project Number:	Not Specified	**Report Date:**	04/17/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
World Class Chemistry

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab: 4/2/13

ALPHA Job #: L1305577

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/9/13 Time:

Report Information / Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Detection limits to meet NYSDEC Part 375 Requirements (Unrestricted)
Find %Moisture of each aliquot and calculate average for use as %Moisture of associated composite sample

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs-See attached list	Hexavalent Chromium-Hold	Cyanide-Hold	Metals-See attached list-Hold	PCBs-Hold	SVOCs-See atached list-Hold							Sample Specific Comments	TOTAL # BOTTLES
05577. 1	E018015	4/2	930	S	[initials]	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		
2	E019015	4/2	1000	S	[initials]	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		
Container Type						-	-	-	-	-	-	-	-	-	-	-	-		
Preservative						-	-	-	-	-	-	-	-	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/2 1210	Robert Haines	4/2/13 1210
Robert Haines	4/2/13 2335	[signature]	4/2/13 2335

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ)
(rev. 5-JAN-12)

ANALYTICAL REPORT

Lab Number:	L1305572
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/10/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305572
Report Date: 04/10/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305572-01	E010E011	GLENS FALLS NEW YORK	04/02/13 09:00

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305572
Project Number: Not Specified **Report Date:** 04/10/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305572
Project Number: Not Specified **Report Date:** 04/10/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

At the client's request, the sample was not analyzed for PCBs.

Solids, Total

L1305572-01: The average result from the original samples is reported; the Duplicate was performed with original batch.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 04/10/13

ORGANICS

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305572

Project Number: Not Specified **Report Date:** 04/10/13

SAMPLE RESULTS

Lab ID:	L1305572-01	Date Collected:	04/02/13 09:00
Client ID:	E010E011	Date Received:	04/02/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/03/13 07:50
Analytical Date:	04/09/13 00:33		
Analyst:	JB		
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	58.	1
Dimethyl phthalate	ND		ug/kg	220	57.	1
Benzo(a)anthracene	ND		ug/kg	130	44.	1
Benzo(a)pyrene	ND		ug/kg	180	54.	1
Benzo(b)fluoranthene	ND		ug/kg	130	45.	1
Benzo(k)fluoranthene	ND		ug/kg	130	42.	1
Chrysene	ND		ug/kg	130	44.	1
Fluorene	ND		ug/kg	220	64.	1
Phenanthrene	ND		ug/kg	130	44.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	43.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	180	50.	1
2-Chlorophenol	ND		ug/kg	220	67.	1
Pentachlorophenol	ND		ug/kg	180	48.	1
Phenol	ND		ug/kg	220	66.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	73.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	97		25-120
Phenol-d6	101		10-120
Nitrobenzene-d5	101		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	106		0-136
4-Terphenyl-d14	120		18-120

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305572
Report Date: 04/10/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/08/13 22:14
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 04/03/13 07:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG599139-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	83	22.
Dimethyl phthalate	ND		ug/kg	83	21.
Benzo(a)anthracene	ND		ug/kg	50	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	50	17.
Benzo(k)fluoranthene	ND		ug/kg	50	16.
Chrysene	ND		ug/kg	50	16.
Fluorene	ND		ug/kg	83	24.
Phenanthrene	ND		ug/kg	50	16.
Dibenzo(a,h)anthracene	ND		ug/kg	50	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	83	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	83	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	47		30-120
2,4,6-Tribromophenol	48		0-136
4-Terphenyl-d14	51		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305572

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599139-2 WG599139-3								
Acenaphthene	61		58		31-137	5		50
1,2,4-Trichlorobenzene	61		49		38-107	22		50
Hexachlorobenzene	68		74		40-140	8		50
Bis(2-chloroethyl)ether	56		44		40-140	24		50
2-Chloronaphthalene	68		61		40-140	11		50
1,2-Dichlorobenzene	61		48		40-140	24		50
1,3-Dichlorobenzene	58		45		40-140	25		50
1,4-Dichlorobenzene	59		46		28-104	25		50
3,3'-Dichlorobenzidine	**35**	Q	47		40-140	29		50
2,4-Dinitrotoluene	76		85		28-89	11		50
2,6-Dinitrotoluene	73		78		40-140	7		50
Fluoranthene	70		74		40-140	6		50
4-Chlorophenyl phenyl ether	67		69		40-140	3		50
4-Bromophenyl phenyl ether	71		75		40-140	5		50
Bis(2-chloroisopropyl)ether	54		44		40-140	20		50
Bis(2-chloroethoxy)methane	61		53		40-117	14		50
Hexachlorobutadiene	63		50		40-140	23		50
Hexachlorocyclopentadiene	47		42		40-140	11		50
Hexachloroethane	58		44		40-140	27		50
Isophorone	60		54		40-140	11		50
Naphthalene	60		49		40-140	20		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305572

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599139-2 WG599139-3								
Nitrobenzene	60		49		40-140	20		50
NitrosoDiPhenylAmine(NDPA)/DPA	67		72			7		50
n-Nitrosodi-n-propylamine	57		49		32-121	15		50
Bis(2-Ethylhexyl)phthalate	65		70		40-140	7		50
Butyl benzyl phthalate	70		76		40-140	8		50
Di-n-butylphthalate	69		75		40-140	8		50
Di-n-octylphthalate	69		76		40-140	10		50
Diethyl phthalate	65		71		40-140	9		50
Dimethyl phthalate	64		68		40-140	6		50
Benzo(a)anthracene	66		70		40-140	6		50
Benzo(a)pyrene	69		72		40-140	4		50
Benzo(b)fluoranthene	72		76		40-140	5		50
Benzo(k)fluoranthene	65		67		40-140	3		50
Chrysene	64		67		40-140	5		50
Acenaphthylene	69		66		40-140	4		50
Anthracene	66		70		40-140	6		50
Benzo(ghi)perylene	68		68		40-140	0		50
Fluorene	67		69		40-140	3		50
Phenanthrene	64		67		40-140	5		50
Dibenzo(a,h)anthracene	71		74		40-140	4		50
Indeno(1,2,3-cd)Pyrene	70		71		40-140	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305572

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599139-2 WG599139-3								
Pyrene	69		73		35-142	6		50
Biphenyl	62		57			8		50
4-Chloroaniline	**18**	Q	**29**	Q	40-140	47		50
2-Nitroaniline	75		81		47-134	8		50
3-Nitroaniline	35		50		26-129	35		50
4-Nitroaniline	70		78		41-125	11		50
Dibenzofuran	64		64		40-140	0		50
2-Methylnaphthalene	64		55		40-140	15		50
1,2,4,5-Tetrachlorobenzene	64		55		40-117	15		50
Acetophenone	66		57		14-144	15		50
2,4,6-Trichlorophenol	76		74		30-130	3		50
P-Chloro-M-Cresol	71		72		26-103	1		50
2-Chlorophenol	65		53		25-102	20		50
2,4-Dichlorophenol	74		65		30-130	13		50
2,4-Dimethylphenol	66		59		30-130	11		50
2-Nitrophenol	66		57		30-130	15		50
4-Nitrophenol	75		84		11-114	11		50
2,4-Dinitrophenol	52		68		4-130	27		50
4,6-Dinitro-o-cresol	71		83		10-130	16		50
Pentachlorophenol	66		76		17-109	14		50
Phenol	66		57		26-90	15		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305572

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599139-2 WG599139-3								
2-Methylphenol	66		56		30-130.	16		50
3-Methylphenol/4-Methylphenol	65		58		30-130	11		50
2,4,5-Trichlorophenol	79		80		30-130	1		50
Benzoic Acid	14		29			**70**	Q	50
Benzyl Alcohol	65		56		40-140	15		50
Carbazole	67		72		54-128	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		52		25-120
Phenol-d6	69		56		10-120
Nitrobenzene-d5	64		52		23-120
2-Fluorobiphenyl	72		64		30-120
2,4,6-Tribromophenol	80		83		0-136
4-Terphenyl-d14	77		80		18-120

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305572
Project Number: Not Specified
Report Date: 04/10/13

SAMPLE RESULTS

Lab ID: L1305572-01
Client ID: E010E011
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 74%

Date Collected: 04/02/13 09:00
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	1.2		mg/kg	0.52	0.15	2	04/05/13 14:02	04/09/13 18:15	EPA 3050B	1,6010C	MS
Barium, Total	30		mg/kg	0.52	0.15	2	04/05/13 14:02	04/09/13 18:15	EPA 3050B	1,6010C	MS
Beryllium, Total	0.44		mg/kg	0.26	0.02	2	04/05/13 14:02	04/09/13 18:15	EPA 3050B	1,6010C	MS
Cadmium, Total	0.06	J	mg/kg	0.52	0.03	2	04/05/13 14:02	04/09/13 18:15	EPA 3050B	1,6010C	MS
Chromium, Total	11		mg/kg	0.52	0.10	2	04/05/13 14:02	04/09/13 18:15	EPA 3050B	1,6010C	MS
Copper, Total	5.5		mg/kg	0.52	0.26	2	04/05/13 14:02	04/09/13 18:15	EPA 3050B	1,6010C	MS
Lead, Total	4.4		mg/kg	2.6	0.15	2	04/05/13 14:02	04/09/13 18:15	EPA 3050B	1,6010C	MS
Mercury, Total	ND		mg/kg	0.20	0.02	2	04/09/13 08:33	04/09/13 11:55	EPA 7471B	1,7471B	MC
Nickel, Total	6.6		mg/kg	1.3	0.21	2	04/05/13 14:02	04/09/13 18:15	EPA 3050B	1,6010C	MS
Selenium, Total	0.15	J	mg/kg	1.0	0.15	2	04/05/13 14:02	04/09/13 18:15	EPA 3050B	1,6010C	MS
Silver, Total	ND		mg/kg	0.52	0.10	2	04/05/13 14:02	04/09/13 18:15	EPA 3050B	1,6010C	MS
Zinc, Total	34		mg/kg	2.6	0.26	2	04/05/13 14:02	04/09/13 18:15	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305572

Project Number: Not Specified **Report Date:** 04/10/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG599875-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Barium, Total	ND		mg/kg	0.40	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Copper, Total	ND		mg/kg	0.40	0.20	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Lead, Total	ND		mg/kg	2.0	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Silver, Total	ND		mg/kg	0.40	0.08	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Zinc, Total	ND		mg/kg	2.0	0.20	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG600212-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/09/13 08:33	04/09/13 11:28	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305572

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG599875-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	96		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Chromium, Total	101		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	101		-		80-120	-		
Nickel, Total	99		-		82-117	-		
Selenium, Total	98		-		80-120	-		
Silver, Total	98		-		66-134	-		
Zinc, Total	103		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG600212-2 SRM Lot Number: 0518-10-02								
Mercury, Total	108		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305572
Report Date: 04/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599875-4 QC Sample: L1305558-01 Client ID: MS Sample												
Arsenic, Total	8.5	14.7	29	**139**	Q	-	-		75-125	-		35
Barium, Total	370	246	620	102		-	-		75-125	-		35
Beryllium, Total	1.8	6.14	9.2	120		-	-		75-125	-		35
Cadmium, Total	0.52J	6.27	68	108		-	-		75-125	-		35
Chromium, Total	36.	24.6	68	**130**	Q	-	-		75-125	-		35
Copper, Total	10.	30.7	50	**130**	Q	-	-		75-125	-		35
Lead, Total	14.	62.7	95	**129**	Q	-	-		75-125	-		35
Nickel, Total	24.	61.4	91	109		-	-		75-125	-		35
Selenium, Total	5.6	14.7	24	125		-	-		75-125	-		35
Silver, Total	0.37J	36.9	49	**133**	Q	-	-		75-125	-		35
Zinc, Total	130	61.4	210	**130**	Q	-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600212-4 QC Sample: L1305558-01 Client ID: MS Sample												
Mercury, Total	0.07J	0.254	0.31	122		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305572
Report Date: 04/10/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599875-3 QC Sample: L1305558-01 Client ID: DUP Sample						
Arsenic, Total	8.5	9.8	mg/kg	14		35
Barium, Total	370	410	mg/kg	10		35
Beryllium, Total	1.8	2.2	mg/kg	20		35
Cadmium, Total	0.52J	1.2J	mg/kg	NC		35
Chromium, Total	36.	50	mg/kg	33		35
Copper, Total	10.	14	mg/kg	33		35
Lead, Total	14.	19	mg/kg	30		35
Nickel, Total	24.	32	mg/kg	29		35
Selenium, Total	5.6	7.1	mg/kg	24		35
Silver, Total	0.37J	0.41J	mg/kg	NC		35
Zinc, Total	130	170	mg/kg	27		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600212-3 QC Sample: L1305558-01 Client ID: DUP Sample						
Mercury, Total	0.07J	0.04J	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305572
Report Date: 04/10/13

SAMPLE RESULTS

Lab ID: L1305572-01
Client ID: E010E011
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/02/13 09:00
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.1		%	0.100	NA	1	-	04/03/13 19:35	30,2540G	RD
Cyanide, Total	ND		mg/kg	1.3	0.30	2	04/03/13 10:08	04/04/13 15:44	1,9010C/9012A	JO

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305572
Project Number: Not Specified
Report Date: 04/10/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG599327-1										
Cyanide, Total	ND		mg/kg	0.94	0.22	1	04/03/13 10:08	04/04/13 15:17	1,9010C/9012A	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305572

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG599327-4 WG599327-5								
Cyanide, Total	111		112		80-120	1		35

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305572
Report Date: 04/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599327-3 WG599327-2 QC Sample: L1305611-23 Client ID: MS Sample												
Cyanide, Total	ND	10	11	100		11	100		65-135	0		35

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305572
Project Number:	Not Specified	**Report Date:**	04/10/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305572
Project Number:	Not Specified	**Report Date:**	04/10/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305572
Project Number:	Not Specified	**Report Date:**	04/10/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL — World Class Chemistry

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/2/13 | ALPHA Job #: L1305572

Client Information

Client: AMO Environmental Decisions
Address: 4327 Pt Pleasant Pk (PO Box 410)
Danboro, PA 18916
Phone: 215-230-8282
Fax: 215-230-8283
Email: pmalmquist@amoed.com
☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: BASF Glens Falls New York
Project Location: Glens Falls New York
Project #:
Project Manager: P. Malmquist
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)
Due Date: 4/9/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:
Extract/Digest Sample E010015 and Sample E011015.
Composite and analyze Extract/Digestate as Sample inidicated below.
Detection limits to meet NYSDEC Part 375 Requirements (0.5 x Unrestricted)
Use average of associated aliquot %Moisture for result calculations

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cyanide	Metals-See attached list (no Cr6+)	PCBs	SVOCs-See attached list	Sample Specific Comments	TOTAL # BOTTLES
05572.1	E010 E011	4/2	900	S	SK	☒	☒	☒	☒		

	Container Type	Preservative
	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/2 1210	Robert Hanes	4/2/13 1210
Robert Hanes	4/2/13 2335	[signature]	4/2/13 2335

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 5-JAN-12)

JOB: L1305569 REPORT STYLE: Data Usability Report
001: Cover & Signature Pages - OK
006: Narrative Page(s) - OK
010: Cover Page - OK
011: Volatiles Sample Results - OK
012: Volatiles Blank Report - OK
013: Volatiles LCS Report - OK
018: Cover Page - OK
019: Semivolatiles Sample Results - OK
020: Semivolatiles Blank Report - OK
021: Semivolatiles LCS Report - OK
100: Metals Sample Results - OK
101: Metals Blank Report - OK
102: Metals LCS Report - OK
104: Metals Matrix Spike Report - OK
105: Metals Duplicate Report - OK
118: Cover Page - OK
120: Wet Chemistry Sample Results - OK
121: Wet Chemistry Blank Report - OK
122: Wet Chemistry LCS Report - OK
124: Wet Chemistry Matrix Spike Report - OK
125: Wet Chemistry Duplicate Report - OK
510: Container Report - OK
520: Glossary - OK
540: Reference Report - OK

No results found for sample L1305569-01 for product AG-TI
No results found for sample L1305569-01 for product AS-TI
No results found for sample L1305569-01 for product BA-TI
No results found for sample L1305569-01 for product BE-TI
No results found for sample L1305569-01 for product CD-TI
No results found for sample L1305569-01 for product CU-TI
No results found for sample L1305569-01 for product HG-T
No results found for sample L1305569-01 for product NI-TI
No results found for sample L1305569-01 for product NYTCL-8270
No results found for sample L1305569-01 for product PB-TI
No results found for sample L1305569-01 for product SE-TI
No results found for sample L1305569-01 for product TCN-9010
No results found for sample L1305569-01 for product ZN-TI
No results found for sample L1305569-02 for product AG-TI
No results found for sample L1305569-02 for product AS-TI
No results found for sample L1305569-02 for product BA-TI
No results found for sample L1305569-02 for product BE-TI
No results found for sample L1305569-02 for product CD-TI

No results found for sample L1305569-02 for product CU-TI
No results found for sample L1305569-02 for product HG-T
No results found for sample L1305569-02 for product NI-TI
No results found for sample L1305569-02 for product NYTCL-8270
No results found for sample L1305569-02 for product PB-TI
No results found for sample L1305569-02 for product SE-TI
No results found for sample L1305569-02 for product TCN-9010
No results found for sample L1305569-02 for product ZN-TI

ANALYTICAL REPORT

Lab Number:	L1305569
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/17/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305569
Report Date: 04/17/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305569-01	E010015	GLENS FALLS NEW YORK	04/02/13 09:00
L1305569-02	E011015	GLENS FALLS NEW YORK	04/02/13 08:45
L1305569-03	FB130402	GLENS FALLS NEW YORK	04/02/13 10:30
L1305569-04	TB130402	GLENS FALLS NEW YORK	04/02/13 00:00

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305569
Project Number: Not Specified **Report Date:** 04/17/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305569
Project Number:	Not Specified	**Report Date:**	04/17/13

Case Narrative (continued)

Report Submission

This partial report replaces the partial report issued on April 9, 2013. At the client's request, the samples were additionally analyzed for Total Chromium. A final report will be issued as soon as the results of all requested analyses become available.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 04/17/13

ORGANICS

VOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305569

Project Number: Not Specified **Report Date:** 04/17/13

SAMPLE RESULTS

Lab ID:	L1305569-01	Date Collected:	04/02/13 09:00
Client ID:	E010015	Date Received:	04/02/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/03/13 15:57		
Analyst:	BN		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.4	0.34	1
Carbon tetrachloride	ND		ug/kg	0.92	0.19	1
Chlorobenzene	ND		ug/kg	0.92	0.32	1
1,2-Dichloroethane	ND		ug/kg	0.92	0.14	1
Benzene	ND		ug/kg	0.92	0.11	1
Toluene	ND		ug/kg	1.4	0.10	1
Ethylbenzene	ND		ug/kg	0.92	0.14	1
Chloromethane	ND		ug/kg	4.6	0.72	1
Vinyl chloride	ND		ug/kg	1.8	0.13	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.92	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	4.6	0.22	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	0.14	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	101		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305569

Project Number: Not Specified **Report Date:** 04/17/13

SAMPLE RESULTS

Lab ID:	L1305569-02	Date Collected:	04/02/13 08:45
Client ID:	E011015	Date Received:	04/02/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/03/13 16:25		
Analyst:	BN		
Percent Solids:	61%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	2.5	0.61	1
Carbon tetrachloride	ND		ug/kg	1.6	0.34	1
Chlorobenzene	ND		ug/kg	1.6	0.57	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.24	1
Benzene	ND		ug/kg	1.6	0.19	1
Toluene	ND		ug/kg	2.5	0.18	1
Ethylbenzene	ND		ug/kg	1.6	0.24	1
Chloromethane	ND		ug/kg	8.2	1.3	1
Vinyl chloride	ND		ug/kg	3.3	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	2.5	0.35	1
Trichloroethene	ND		ug/kg	1.6	0.25	1
1,2-Dichlorobenzene	ND		ug/kg	8.2	0.30	1
1,3-Dichlorobenzene	ND		ug/kg	8.2	0.30	1
1,4-Dichlorobenzene	ND		ug/kg	8.2	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.24	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	101		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305569

Project Number: Not Specified **Report Date:** 04/17/13

SAMPLE RESULTS

Lab ID:	L1305569-03	Date Collected:	04/02/13 10:30
Client ID:	FB130402	Date Received:	04/02/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	04/05/13 09:34		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	97		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305569

Project Number: Not Specified **Report Date:** 04/17/13

SAMPLE RESULTS

Lab ID:	L1305569-04	Date Collected:	04/02/13 00:00
Client ID:	TB130402	Date Received:	04/02/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	04/05/13 09:59		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	96		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305569

Project Number: Not Specified **Report Date:** 04/17/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/03/13 12:11
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG599355-3					
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.25	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Vinyl chloride	ND		ug/kg	2.0	0.14
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	99		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305569

Project Number: Not Specified **Report Date:** 04/17/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/05/13 07:00
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG599829-3					
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.16
Chlorobenzene	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.16
Benzene	ND		ug/l	0.50	0.19
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305569

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599355-1 WG599355-2								
Methylene chloride	110		109		70-130	1		30
1,1-Dichloroethane	110		107		70-130	3		30
Chloroform	106		102		70-130	4		30
Carbon tetrachloride	104		97		70-130	7		30
1,2-Dichloropropane	108		106		70-130	2		30
Dibromochloromethane	99		98		70-130	1		30
2-Chloroethylvinyl ether	108		106			2		30
1,1,2-Trichloroethane	106		108		70-130	2		30
Tetrachloroethene	101		95		70-130	6		30
Chlorobenzene	101		98		70-130	3		30
Trichlorofluoromethane	110		106		70-139	4		30
1,2-Dichloroethane	110		109		70-130	1		30
1,1,1-Trichloroethane	106		101		70-130	5		30
Bromodichloromethane	105		104		70-130	1		30
trans-1,3-Dichloropropene	107		106		70-130	1		30
cis-1,3-Dichloropropene	107		103		70-130	4		30
1,1-Dichloropropene	107		104		70-130	3		30
Bromoform	96		96		70-130	0		30
1,1,2,2-Tetrachloroethane	103		105		70-130	2		30
Benzene	107		103		70-130	4		30
Toluene	104		100		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305569

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599355-1 WG599355-2								
Ethylbenzene	104		100		70-130	4		30
Chloromethane	**143**	Q	**138**	Q	52-130	4		30
Bromomethane	122		117		57-147	4		30
Vinyl chloride	129		123		67-130	5		30
Chloroethane	118		115		50-151	3		30
1,1-Dichloroethene	111		105		65-135	6		30
trans-1,2-Dichloroethene	105		101		70-130	4		30
Trichloroethene	106		102		70-130	4		30
1,2-Dichlorobenzene	97		96		70-130	1		30
1,3-Dichlorobenzene	99		96		70-130	3		30
1,4-Dichlorobenzene	98		96		70-130	2		30
Methyl tert butyl ether	104		105		66-130	1		30
p/m-Xylene	103		99		70-130	4		30
o-Xylene	101		99		70-130	2		30
cis-1,2-Dichloroethene	102		100		70-130	2		30
Dibromomethane	108		107		70-130	1		30
Styrene	103		100		70-130	3		30
Dichlorodifluoromethane	136		129		30-146	5		30
Acetone	**143**	Q	135		54-140	6		30
Carbon disulfide	112		105		59-130	6		30
2-Butanone	128		127		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305569

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599355-1 WG599355-2								
Vinyl acetate	114		115		70-130	1		30
4-Methyl-2-pentanone	100		104		70-130	4		30
1,2,3-Trichloropropane	106		109		68-130	3		30
2-Hexanone	115		116		70-130	1		30
Bromochloromethane	104		101		70-130	3		30
2,2-Dichloropropane	112		105		70-130	6		30
1,2-Dibromoethane	101		101		70-130	0		30
1,3-Dichloropropane	105		103		69-130	2		30
1,1,1,2-Tetrachloroethane	99		99		70-130	0		30
Bromobenzene	96		94		70-130	2		30
n-Butylbenzene	108		103		70-130	5		30
sec-Butylbenzene	103		99		70-130	4		30
tert-Butylbenzene	99		95		70-130	4		30
o-Chlorotoluene	98		105		70-130	7		30
p-Chlorotoluene	106		101		70-130	5		30
1,2-Dibromo-3-chloropropane	101		104		68-130	3		30
Hexachlorobutadiene	104		100		67-130	4		30
Isopropylbenzene	100		96		70-130	4		30
p-Isopropyltoluene	101		98		70-130	3		30
Naphthalene	92		95		70-130	3		30
Acrylonitrile	112		114		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305569

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599355-1 WG599355-2								
Isopropyl Ether	113		110		66-130	3		30
tert-Butyl Alcohol	111		119		70-130	7		30
n-Propylbenzene	103		100		70-130	3		30
1,2,3-Trichlorobenzene	97		96		70-130	1		30
1,2,4-Trichlorobenzene	97		95		70-130	2		30
1,3,5-Trimethylbenzene	104		99		70-130	5		30
1,2,4-Trimethylbenzene	103		100		70-130	3		30
Methyl Acetate	113		120		70-130	6		30
Ethyl Acetate	107		118		70-130	10		30
Acrolein	115		122		70-130	6		30
Cyclohexane	115		108		70-130	6		30
1,4-Dioxane	96		103		65-136	7		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	108		105		70-130	3		30
1,4-Diethylbenzene	103		98		70-130	5		30
4-Ethyltoluene	102		98		70-130	4		30
1,2,4,5-Tetramethylbenzene	99		97		70-130	2		30
Tetrahydrofuran	108		117		66-130	8		30
Ethyl ether	102		102		67-130	0		30
trans-1,4-Dichloro-2-butene	120		123		70-130	2		30
Methyl cyclohexane	104		99		70-130	5		30
Ethyl-Tert-Butyl-Ether	108		106		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305569

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599355-1 WG599355-2								
Tertiary-Amyl Methyl Ether	103		102		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		107		70-130
Toluene-d8	103		103		70-130
4-Bromofluorobenzene	102		102		70-130
Dibromofluoromethane	100		100		70-130

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG599829-1 WG599829-2								
Methylene chloride	84		85		70-130	1		20
1,1-Dichloroethane	92		93		70-130	1		20
Chloroform	92		92		70-130	0		20
Carbon tetrachloride	92		92		63-132	0		20
1,2-Dichloropropane	91		92		70-130	1		20
Dibromochloromethane	98		101		63-130	3		20
1,1,2-Trichloroethane	100		102		70-130	2		20
Tetrachloroethene	102		101		70-130	1		20
Chlorobenzene	99		101		75-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305569

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG599829-1 WG599829-2								
Trichlorofluoromethane	93		93		62-150	0		20
1,2-Dichloroethane	90		92		70-130	2		20
1,1,1-Trichloroethane	92		92		67-130	0		20
Bromodichloromethane	90		91		67-130	1		20
trans-1,3-Dichloropropene	99		102		70-130	3		20
cis-1,3-Dichloropropene	91		92		70-130	1		20
1,1-Dichloropropene	93		94		70-130	1		20
Bromoform	100		100		54-136	0		20
1,1,2,2-Tetrachloroethane	104		104		67-130	0		20
Benzene	91		91		70-130	0		20
Toluene	100		101		70-130	1		20
Ethylbenzene	101		101		70-130	0		20
Chloromethane	74		75		64-130	1		20
Bromomethane	57		65		39-139	13		20
Vinyl chloride	92		91		55-140	1		20
Chloroethane	106		106		55-138	0		20
1,1-Dichloroethene	92		92		61-145	0		20
trans-1,2-Dichloroethene	91		91		70-130	0		20
Trichloroethene	91		91		70-130	0		20
1,2-Dichlorobenzene	103		104		70-130	1		20
1,3-Dichlorobenzene	104		104		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305569

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG599829-1 WG599829-2								
1,4-Dichlorobenzene	104		102		70-130	2		20
Methyl tert butyl ether	88		89		63-130	1		20
p/m-Xylene	100		102		70-130	2		20
o-Xylene	100		102		70-130	2		20
cis-1,2-Dichloroethene	90		91		70-130	1		20
Dibromomethane	90		91		70-130	1		20
1,2,3-Trichloropropane	107		108		64-130	1		20
Acrylonitrile	90		88		70-130	2		20
Styrene	101		102		70-130	1		20
Dichlorodifluoromethane	91		90		36-147	1		20
Acetone	88		83		58-148	6		20
Carbon disulfide	89		89		51-130	0		20
2-Butanone	77		74		63-138	4		20
Vinyl acetate	92		92		70-130	0		20
4-Methyl-2-pentanone	87		91		59-130	4		20
2-Hexanone	95		97		57-130	2		20
Bromochloromethane	91		92		70-130	1		20
2,2-Dichloropropane	96		95		63-133	1		20
1,2-Dibromoethane	99		99		70-130	0		20
1,3-Dichloropropane	99		102		70-130	3		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305569

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG599829-1 WG599829-2								
Bromobenzene	103		104		70-130	1		20
n-Butylbenzene	109		107		53-136	2		20
sec-Butylbenzene	107		107		70-130	0		20
tert-Butylbenzene	107		106		70-130	1		20
o-Chlorotoluene	106		99		70-130	7		20
p-Chlorotoluene	106		107		70-130	1		20
1,2-Dibromo-3-chloropropane	101		103		41-144	2		20
Hexachlorobutadiene	105		102		63-130	3		20
Isopropylbenzene	108		108		70-130	0		20
p-Isopropyltoluene	108		106		70-130	2		20
Naphthalene	98		99		70-130	1		20
n-Propylbenzene	107		107		69-130	0		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20
1,2,4-Trichlorobenzene	100		103		70-130	3		20
1,3,5-Trimethylbenzene	107		108		64-130	1		20
1,2,4-Trimethylbenzene	107		108		70-130	1		20
1,4-Dioxane	90		94		56-162	4		20
1,4-Diethylbenzene	107		105		70-130	2		20
4-Ethyltoluene	107		106		70-130	1		20
1,2,4,5-Tetramethylbenzene	105		105		70-130	0		20
Ethyl ether	91		92		59-134	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305569

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG599829-1 WG599829-2								
trans-1,4-Dichloro-2-butene	97		96		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		101		70-130
Toluene-d8	107		107		70-130
4-Bromofluorobenzene	103		103		70-130
Dibromofluoromethane	97		97		70-130

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305569

Project Number: Not Specified **Report Date:** 04/17/13

SAMPLE RESULTS

Lab ID:	L1305569-03	Date Collected:	04/02/13 10:30
Client ID:	FB130402	Date Received:	04/02/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	04/05/13 00:32
Analytical Date:	04/05/13 15:52		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Benzo(a)anthracene	ND		ug/l	2.0	0.82	1
Benzo(a)pyrene	ND		ug/l	2.0	0.48	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.48	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.48	1
Chrysene	ND		ug/l	2.0	0.56	1
Fluorene	ND		ug/l	2.0	0.49	1
Phenanthrene	ND		ug/l	2.0	0.49	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.48	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
Pentachlorophenol	ND		ug/l	10	1.2	1
Phenol	ND		ug/l	5.0	0.26	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		21-120
Phenol-d6	15		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	91		41-149

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305569
Report Date: 04/17/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/08/13 22:14
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 04/03/13 07:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG599139-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	83	22.
Dimethyl phthalate	ND		ug/kg	83	21.
Benzo(a)anthracene	ND		ug/kg	50	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	50	17.
Benzo(k)fluoranthene	ND		ug/kg	50	16.
Chrysene	ND		ug/kg	50	16.
Fluorene	ND		ug/kg	83	24.
Phenanthrene	ND		ug/kg	50	16.
Dibenzo(a,h)anthracene	ND		ug/kg	50	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	83	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	83	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	47		30-120
2,4,6-Tribromophenol	48		0-136
4-Terphenyl-d14	51		18-120

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305569
Report Date: 04/17/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/05/13 13:07
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 04/05/13 00:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG599688-1					
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Dimethyl phthalate	ND		ug/l	5.0	0.45
Benzo(a)anthracene	ND		ug/l	2.0	0.82
Benzo(a)pyrene	ND		ug/l	2.0	0.48
Benzo(b)fluoranthene	ND		ug/l	2.0	0.48
Benzo(k)fluoranthene	ND		ug/l	2.0	0.48
Chrysene	ND		ug/l	2.0	0.56
Fluorene	ND		ug/l	2.0	0.49
Phenanthrene	ND		ug/l	2.0	0.49
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.48
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48
2-Chlorophenol	ND		ug/l	2.0	0.34
Pentachlorophenol	ND		ug/l	10	1.2
Phenol	ND		ug/l	5.0	0.26
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	16		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	55		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	75		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305569

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599139-2 WG599139-3								
Acenaphthene	61		58		31-137	5		50
1,2,4-Trichlorobenzene	61		49		38-107	22		50
Hexachlorobenzene	68		74		40-140	8		50
Bis(2-chloroethyl)ether	56		44		40-140	24		50
2-Chloronaphthalene	68		61		40-140	11		50
1,2-Dichlorobenzene	61		48		40-140	24		50
1,3-Dichlorobenzene	58		45		40-140	25		50
1,4-Dichlorobenzene	59		46		28-104	25		50
3,3'-Dichlorobenzidine	**35**	Q	47		40-140	29		50
2,4-Dinitrotoluene	76		85		28-89	11		50
2,6-Dinitrotoluene	73		78		40-140	7		50
Fluoranthene	70		74		40-140	6		50
4-Chlorophenyl phenyl ether	67		69		40-140	3		50
4-Bromophenyl phenyl ether	71		75		40-140	5		50
Bis(2-chloroisopropyl)ether	54		44		40-140	20		50
Bis(2-chloroethoxy)methane	61		53		40-117	14		50
Hexachlorobutadiene	63		50		40-140	23		50
Hexachlorocyclopentadiene	47		42		40-140	11		50
Hexachloroethane	58		44		40-140	27		50
Isophorone	60		54		40-140	11		50
Naphthalene	60		49		40-140	20		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305569
Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599139-2 WG599139-3								
Nitrobenzene	60		49		40-140	20		50
NitrosoDiPhenylAmine(NDPA)/DPA	67		72			7		50
n-Nitrosodi-n-propylamine	57		49		32-121	15		50
Bis(2-Ethylhexyl)phthalate	65		70		40-140	7		50
Butyl benzyl phthalate	70		76		40-140	8		50
Di-n-butylphthalate	69		75		40-140	8		50
Di-n-octylphthalate	69		76		40-140	10		50
Diethyl phthalate	65		71		40-140	9		50
Dimethyl phthalate	64		68		40-140	6		50
Benzo(a)anthracene	66		70		40-140	6		50
Benzo(a)pyrene	69		72		40-140	4		50
Benzo(b)fluoranthene	72		76		40-140	5		50
Benzo(k)fluoranthene	65		67		40-140	3		50
Chrysene	64		67		40-140	5		50
Acenaphthylene	69		66		40-140	4		50
Anthracene	66		70		40-140	6		50
Benzo(ghi)perylene	68		68		40-140	0		50
Fluorene	67		69		40-140	3		50
Phenanthrene	64		67		40-140	5		50
Dibenzo(a,h)anthracene	71		74		40-140	4		50
Indeno(1,2,3-cd)Pyrene	70		71		40-140	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305569

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599139-2 WG599139-3								
Pyrene	69		73		35-142	6		50
Biphenyl	62		57			8		50
4-Chloroaniline	**18**	Q	**29**	Q	40-140	47		50
2-Nitroaniline	75		81		47-134	8		50
3-Nitroaniline	35		50		26-129	35		50
4-Nitroaniline	70		78		41-125	11		50
Dibenzofuran	64		64		40-140	0		50
2-Methylnaphthalene	64		55		40-140	15		50
1,2,4,5-Tetrachlorobenzene	64		55		40-117	15		50
Acetophenone	66		57		14-144	15		50
2,4,6-Trichlorophenol	76		74		30-130	3		50
P-Chloro-M-Cresol	71		72		26-103	1		50
2-Chlorophenol	65		53		25-102	20		50
2,4-Dichlorophenol	74		65		30-130	13		50
2,4-Dimethylphenol	66		59		30-130	11		50
2-Nitrophenol	66		57		30-130	15		50
4-Nitrophenol	75		84		11-114	11		50
2,4-Dinitrophenol	52		68		4-130	27		50
4,6-Dinitro-o-cresol	71		83		10-130	16		50
Pentachlorophenol	66		76		17-109	14		50
Phenol	66		57		26-90	15		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305569

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599139-2 WG599139-3								
2-Methylphenol	66		56		30-130.	16		50
3-Methylphenol/4-Methylphenol	65		58		30-130	11		50
2,4,5-Trichlorophenol	79		80		30-130	1		50
Benzoic Acid	14		29			**70**	Q	50
Benzyl Alcohol	65		56		40-140	15		50
Carbazole	67		72		54-128	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		52		25-120
Phenol-d6	69		56		10-120
Nitrobenzene-d5	64		52		23-120
2-Fluorobiphenyl	72		64		30-120
2,4,6-Tribromophenol	80		83		0-136
4-Terphenyl-d14	77		80		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305569

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG599688-2 WG599688-3								
Acenaphthene	55		56		37-111	2		30
1,2,4-Trichlorobenzene	48		52		39-98	8		30
Hexachlorobenzene	82		81		40-140	1		30
Bis(2-chloroethyl)ether	51		56		40-140	9		30
2-Chloronaphthalene	64		62		40-140	3		30
1,2-Dichlorobenzene	49		53		40-140	8		30
1,3-Dichlorobenzene	44		50		40-140	13		30
1,4-Dichlorobenzene	46		55		36-97	18		30
3,3'-Dichlorobenzidine	59		65		40-140	10		30
2,4-Dinitrotoluene	92		89		24-96	3		30
2,6-Dinitrotoluene	105		91		40-140	14		30
Fluoranthene	81		81		40-140	0		30
4-Chlorophenyl phenyl ether	67		67		40-140	0		30
4-Bromophenyl phenyl ether	78		75		40-140	4		30
Bis(2-chloroisopropyl)ether	46		50		40-140	8		30
Bis(2-chloroethoxy)methane	59		62		40-140	5		30
Hexachlorobutadiene	49		55		40-140	12		30
Hexachlorocyclopentadiene	47		50		40-140	6		30
Hexachloroethane	52		54		40-140	4		30
Isophorone	65		67		40-140	3		30
Naphthalene	51		48		40-140	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305569
Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG599688-2 WG599688-3								
Nitrobenzene	52		55		40-140	6		30
NitrosoDiPhenylAmine(NDPA)/DPA	78		76		40-140	3		30
n-Nitrosodi-n-propylamine	62		67		29-132	8		30
Bis(2-Ethylhexyl)phthalate	82		83		40-140	1		30
Butyl benzyl phthalate	92		92		40-140	0		30
Di-n-butylphthalate	89		89		40-140	0		30
Di-n-octylphthalate	80		81		40-140	1		30
Diethyl phthalate	82		81		40-140	1		30
Dimethyl phthalate	76		74		40-140	3		30
Benzo(a)anthracene	75		77		40-140	3		30
Benzo(a)pyrene	76		73		40-140	4		30
Benzo(b)fluoranthene	68		75		40-140	10		30
Benzo(k)fluoranthene	73		69		40-140	6		30
Chrysene	67		67		40-140	0		30
Acenaphthylene	74		72		45-123	3		30
Anthracene	77		77		40-140	0		30
Benzo(ghi)perylene	68		71		40-140	4		30
Fluorene	69		68		40-140	1		30
Phenanthrene	66		69		40-140	4		30
Dibenzo(a,h)anthracene	71		73		40-140	3		30
Indeno(1,2,3-cd)Pyrene	74		75		40-140	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305569
Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG599688-2 WG599688-3								
Pyrene	79		78		26-127	1		30
Biphenyl	52		54			4		30
4-Chloroaniline	40		44		40-140	10		30
2-Nitroaniline	93		88		52-143	6		30
3-Nitroaniline	60		64		25-145	6		30
4-Nitroaniline	85		82		51-143	4		30
Dibenzofuran	60		61		40-140	2		30
2-Methylnaphthalene	56		57		40-140	2		30
1,2,4,5-Tetrachlorobenzene	50		52		2-134	4		30
Acetophenone	62		64		39-129	3		30
2,4,6-Trichlorophenol	79		74		30-130	7		30
P-Chloro-M-Cresol	80		75		23-97	6		30
2-Chlorophenol	55		60		27-123	9		30
2,4-Dichlorophenol	64		63		30-130	2		30
2,4-Dimethylphenol	73		74		30-130	1		30
2-Nitrophenol	66		70		30-130	6		30
4-Nitrophenol	53		49		10-80	8		30
2,4-Dinitrophenol	76		68		20-130	11		30
4,6-Dinitro-o-cresol	93		91		20-164	2		30
Pentachlorophenol	67		67		9-103	0		30
Phenol	26		26		12-110	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305569

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG599688-2 WG599688-3								
2-Methylphenol	51		58		30-130	13		30
3-Methylphenol/4-Methylphenol	48		50		30-130	4		30
2,4,5-Trichlorophenol	82		79		30-130	4		30
Benzoic Acid	0		0			NC		30
Benzyl Alcohol	39		44			12		30
Carbazole	76		76		55-144	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	36		39		21-120
Phenol-d6	25		27		10-120
Nitrobenzene-d5	63		66		23-120
2-Fluorobiphenyl	63		62		15-120
2,4,6-Tribromophenol	84		83		10-120
4-Terphenyl-d14	81		80		41-149

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305569
Project Number: Not Specified
Report Date: 04/17/13

SAMPLE RESULTS

Lab ID: L1305569-01
Client ID: E010015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 87%

Date Collected: 04/02/13 09:00
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	10		mg/kg	0.43	0.09	1	04/05/13 14:20	04/08/13 16:33	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305569
Project Number: Not Specified
Report Date: 04/17/13

SAMPLE RESULTS

Lab ID: L1305569-02
Client ID: E011015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 61%

Date Collected: 04/02/13 08:45
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	11		mg/kg	0.63	0.13	1	04/05/13 14:20	04/08/13 16:36	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305569
Project Number: Not Specified
Report Date: 04/17/13

SAMPLE RESULTS

Lab ID: L1305569-03
Client ID: FB130402
Sample Location: GLENS FALLS NEW YORK
Matrix: Water

Date Collected: 04/02/13 10:30
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	ND		mg/l	0.00050	0.0002	1	04/03/13 10:07	04/03/13 14:20	EPA 3005A	1,6020A	AK
Barium, Total	ND		mg/l	0.00050	0.0001	1	04/03/13 10:07	04/03/13 14:20	EPA 3005A	1,6020A	AK
Beryllium, Total	ND		mg/l	0.00050	0.0001	1	04/03/13 10:07	04/03/13 14:20	EPA 3005A	1,6020A	AK
Cadmium, Total	ND		mg/l	0.00050	0.0001	1	04/03/13 10:07	04/03/13 14:20	EPA 3005A	1,6020A	AK
Chromium, Total	0.00034	J	mg/l	0.00100	0.0002	1	04/03/13 10:07	04/03/13 14:20	EPA 3005A	1,6020A	AK
Copper, Total	ND		mg/l	0.00100	0.0001	1	04/03/13 10:07	04/03/13 14:20	EPA 3005A	1,6020A	AK
Lead, Total	ND		mg/l	0.00100	0.0002	1	04/03/13 10:07	04/03/13 14:20	EPA 3005A	1,6020A	AK
Mercury, Total	ND		mg/l	0.00020	0.0001	1	04/03/13 17:28	04/04/13 16:31	EPA 7470A	1,7470A	KL
Nickel, Total	ND		mg/l	0.00050	0.0001	1	04/03/13 10:07	04/03/13 14:20	EPA 3005A	1,6020A	AK
Selenium, Total	ND		mg/l	0.00500	0.0003	1	04/03/13 10:07	04/05/13 16:50	EPA 3005A	1,6020A	AK
Silver, Total	0.00011	J	mg/l	0.00050	0.0001	1	04/03/13 10:07	04/03/13 14:20	EPA 3005A	1,6020A	AK
Zinc, Total	ND		mg/l	0.01000	0.0012	1	04/03/13 10:07	04/03/13 14:20	EPA 3005A	1,6020A	AK

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305569

Project Number: Not Specified **Report Date:** 04/17/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03 Batch: WG599173-1										
Arsenic, Total	ND		mg/l	0.00050	0.0002	1	04/03/13 10:07	04/03/13 13:36	1,6020A	AK
Barium, Total	ND		mg/l	0.00050	0.0001	1	04/03/13 10:07	04/03/13 13:36	1,6020A	AK
Beryllium, Total	ND		mg/l	0.00050	0.0001	1	04/03/13 10:07	04/03/13 13:36	1,6020A	AK
Cadmium, Total	ND		mg/l	0.00050	0.0001	1	04/03/13 10:07	04/03/13 13:36	1,6020A	AK
Chromium, Total	0.00025	J	mg/l	0.00100	0.0002	1	04/03/13 10:07	04/03/13 13:36	1,6020A	AK
Copper, Total	ND		mg/l	0.00100	0.0001	1	04/03/13 10:07	04/03/13 13:36	1,6020A	AK
Lead, Total	ND		mg/l	0.00100	0.0002	1	04/03/13 10:07	04/03/13 13:36	1,6020A	AK
Nickel, Total	ND		mg/l	0.00050	0.0001	1	04/03/13 10:07	04/03/13 13:36	1,6020A	AK
Selenium, Total	ND		mg/l	0.00500	0.0003	1	04/03/13 10:07	04/05/13 16:19	1,6020A	AK
Silver, Total	ND		mg/l	0.00050	0.0001	1	04/03/13 10:07	04/03/13 13:36	1,6020A	AK
Zinc, Total	ND		mg/l	0.01000	0.0012	1	04/03/13 10:07	04/03/13 13:36	1,6020A	AK

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03 Batch: WG599320-1										
Mercury, Total	ND		mg/l	0.00020	0.0001	1	04/03/13 17:28	04/04/13 16:18	1,7470A	KL

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG599875-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Barium, Total	ND		mg/kg	0.40	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Copper, Total	ND		mg/kg	0.40	0.20	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305569

Project Number: Not Specified **Report Date:** 04/17/13

Method Blank Analysis
Batch Quality Control

Lead, Total	ND	mg/kg	2.0	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Nickel, Total	ND	mg/kg	1.0	0.16	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Selenium, Total	ND	mg/kg	0.80	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Silver, Total	ND	mg/kg	0.40	0.08	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Zinc, Total	ND	mg/kg	2.0	0.20	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG600212-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/09/13 08:33	04/09/13 11:28	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305569

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03 Batch: WG599173-2								
Arsenic, Total	107		-		80-120	-		
Barium, Total	92		-		80-120	-		
Beryllium, Total	98		-		80-120	-		
Cadmium, Total	104		-		80-120	-		
Chromium, Total	95		-		80-120	-		
Copper, Total	103		-		80-120	-		
Lead, Total	99		-		80-120	-		
Nickel, Total	101		-		80-120	-		
Selenium, Total	119		-		80-120	-		
Silver, Total	97		-		80-120	-		
Zinc, Total	107		-		80-120	-		
Total Metals - Westborough Lab Associated sample(s): 03 Batch: WG599320-2								
Mercury, Total	96		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305569

Report Date: 04/17/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG599875-2 SRM Lot Number: 0518-10-02					
Arsenic, Total	100	-	81-119	-	
Barium, Total	96	-	83-118	-	
Beryllium, Total	98	-	83-117	-	
Cadmium, Total	94	-	82-117	-	
Chromium, Total	101	-	80-119	-	
Copper, Total	101	-	83-117	-	
Lead, Total	101	-	80-120	-	
Nickel, Total	99	-	82-117	-	
Selenium, Total	98	-	80-120	-	
Silver, Total	98	-	66-134	-	
Zinc, Total	103	-	82-119	-	
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG600212-2 SRM Lot Number: 0518-10-02					
Mercury, Total	108	-	67-133	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305569
Report Date: 04/17/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03 QC Batch ID: WG599173-4 QC Sample: L1305609-01 Client ID: MS Sample												
Arsenic, Total	ND	0.12	0.1305	109		-	-		80-120	-		20
Barium, Total	ND	2	1.848	92		-	-		80-120	-		20
Beryllium, Total	ND	0.05	0.05040	101		-	-		80-120	-		20
Cadmium, Total	ND	0.051	0.5266	103		-	-		80-120	-		20
Chromium, Total	0.00095J	0.2	0.1874	94		-	-		80-120	-		20
Copper, Total	ND	0.25	0.2533	101		-	-		80-120	-		20
Lead, Total	ND	0.51	0.5009	98		-	-		80-120	-		20
Nickel, Total	ND	0.5	0.4945	99		-	-		80-120	-		20
Selenium, Total	ND	0.12	0.136	113		-	-		80-120	-		20
Silver, Total	ND	0.05	0.04802	96		-	-		80-120	-		20
Zinc, Total	ND	0.5	0.5247	105		-	-		80-120	-		20
Total Metals - Westborough Lab Associated sample(s): 03 QC Batch ID: WG599320-4 QC Sample: L1305474-04 Client ID: MS Sample												
Mercury, Total	ND	0.001	0.00118	118		-	-		70-130	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305569
Report Date: 04/17/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599875-4 QC Sample: L1305558-01 Client ID: MS Sample										
Arsenic, Total	8.5	14.7	29	**139**	Q	-	-	75-125	-	35
Barium, Total	370	246	620	102		-	-	75-125	-	35
Beryllium, Total	1.8	6.14	9.2	120		-	-	75-125	-	35
Cadmium, Total	0.52J	6.27	68	108		-	-	75-125	-	35
Chromium, Total	36.	24.6	68	**130**	Q	-	-	75-125	-	35
Copper, Total	10.	30.7	50	**130**	Q	-	-	75-125	-	35
Lead, Total	14.	62.7	95	**129**	Q	-	-	75-125	-	35
Nickel, Total	24.	61.4	91	109		-	-	75-125	-	35
Selenium, Total	5.6	14.7	24	125		-	-	75-125	-	35
Silver, Total	0.37J	36.9	49	**133**	Q	-	-	75-125	-	35
Zinc, Total	130	61.4	210	**130**	Q	-	-	75-125	-	35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600212-4 QC Sample: L1305558-01 Client ID: MS Sample										
Mercury, Total	0.07J	0.254	0.31	122		-	-	70-130	-	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305569
Report Date: 04/17/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03 QC Batch ID: WG599173-3 QC Sample: L1305609-01 Client ID: DUP Sample						
Arsenic, Total	ND	ND	mg/l	NC		20
Barium, Total	ND	ND	mg/l	NC		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Chromium, Total	0.00095J	0.00027J	mg/l	NC		20
Copper, Total	ND	ND	mg/l	NC		20
Lead, Total	ND	ND	mg/l	NC		20
Nickel, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Zinc, Total	ND	ND	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 03 QC Batch ID: WG599173-3 QC Sample: L1305609-01 Client ID: DUP Sample						
Selenium, Total	ND	ND	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 03 QC Batch ID: WG599320-3 QC Sample: L1305474-04 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599875-3 QC Sample: L1305558-01 Client ID: DUP Sample						
Barium, Total	370	410	mg/kg	10		35
Chromium, Total	36.	50	mg/kg	33		35
Zinc, Total	130	170	mg/kg	27		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305569
Report Date: 04/17/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600212-3 QC Sample: L1305558-01 Client ID: DUP Sample					
Mercury, Total	0.07J	0.04J	mg/kg	NC	35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305569
Report Date: 04/17/13

SAMPLE RESULTS

Lab ID: L1305569-01
Client ID: E010015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/02/13 09:00
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.3		%	0.100	NA	1	-	04/03/13 19:35	30,2540G	RD

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305569
Report Date: 04/17/13

SAMPLE RESULTS

Lab ID: L1305569-02
Client ID: E011015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/02/13 08:45
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	60.8		%	0.100	NA	1	-	04/03/13 19:35	30,2540G	RD

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305569
Report Date: 04/17/13

SAMPLE RESULTS

Lab ID: L1305569-03
Client ID: FB130402
Sample Location: GLENS FALLS NEW YORK
Matrix: Water

Date Collected: 04/02/13 10:30
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/04/13 10:15	04/04/13 15:03	1,9010C/9012A	JO

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305569

Project Number: Not Specified **Report Date:** 04/17/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 03 Batch: WG599545-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/04/13 10:15	04/04/13 14:49	1,9010C/9012A	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305569

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03 Batch: WG599545-4 WG599545-5								
Cyanide, Total	99		107		80-120	8		20

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305569
Report Date: 04/17/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03 QC Batch ID: WG599545-3 WG599545-2 QC Sample: L1305728-03 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.198	99		0.209	104		80-120	5		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305569
Report Date: 04/17/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599356-1 QC Sample: L1305527-01 Client ID: DUP Sample						
Solids, Total	86.3	85.8	%	1		20

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305569
Report Date: 04/17/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 04/03/2013 02:15

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305569-01A	Vial MeOH preserved	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1305569-01B	Vial water preserved	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1305569-01C	Vial water preserved	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1305569-01D	Plastic 2oz unpreserved for TS	A	N/A	2.6	Y	Absent	TS(7)
L1305569-01E	Amber 120ml unpreserved	A	N/A	2.6	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305569-01F	Amber 250ml unpreserved	A	N/A	2.6	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305569-02A	Vial MeOH preserved	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1305569-02B	Vial water preserved	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1305569-02C	Vial water preserved	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1305569-02D	Plastic 2oz unpreserved for TS	A	N/A	2.6	Y	Absent	TS(7)
L1305569-02E	Amber 120ml unpreserved	A	N/A	2.6	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305569
Report Date: 04/17/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305569-02F	Amber 250ml unpreserved	A	N/A	2.6	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305569-03A	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1305569-03B	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1305569-03C	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1305569-03D	Amber 1000ml unpreserved	A	7	2.6	Y	Absent	NYTCL-8270(7)
L1305569-03E	Amber 1000ml unpreserved	A	7	2.6	Y	Absent	NYTCL-8270(7)
L1305569-03F	Amber 1000ml unpreserved	A	7	2.6	Y	Absent	NYTCL-8260(7)
L1305569-03G	Amber 1000ml unpreserved	A	7	2.6	Y	Absent	NYTCL-8260(7)
L1305569-03I	Plastic 250ml NaOH preserved	A	>12	2.6	Y	Absent	TCN-9010(14)
L1305569-03J	Plastic 500ml HNO3 preserved	A	<2	2.6	Y	Absent	BA-6020T(180),SE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),AS-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28)
L1305569-04A	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1305569-04B	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305569
Project Number:	Not Specified	**Report Date:**	04/17/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305569
Project Number:	Not Specified	**Report Date:**	04/17/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305569
Report Date: 04/17/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL — World Class Chemistry

Date Rec'd in Lab: 4/2/13

ALPHA Job #: L1305569

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/9/13 Time:

Report Information — Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Detection limits to meet NYSDEC Part 375 Requirements (Unrestricted)
Find %Moisture of each aliquot and calculate average for use as %Moisture of associated composite sample

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs-See attached list	Hexavalent Chromium-Hold	Cyanide-Hold	Metals-See attached list-Hold	PCBs-Hold	SVOCs-See atached list-Hold	Sample Specific Comments	TOTAL # BOTTLES
05569. 1	E010015	4/2	900	S		☒	☒	☒	☒	☒	☒		
2	E011015	4/2	845	S		☒	☒	☒	☒	☒	☒		
3	FB130402	4/2	1030	Aq		☒	☒	☒	☒	☒	☒		
4	TB130402	~~4/2~~ 3/20	–	Aq		☒	☒	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐		
				Container Type		-	-	-	-	-	-		
				Preservative		-	-	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
	4/2 1210		4/2/13 1210
	4/2/13 2335		4/2/13 2335

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ)
(rev. 5-JAN-12)

ANALYTICAL REPORT

Lab Number:	L1305568
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/10/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305568
Report Date: 04/10/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305568-01	E017E009	GLENS FALLS NEW YORK	04/02/13 09:50

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305568
Project Number: Not Specified **Report Date:** 04/10/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305568
Project Number: Not Specified **Report Date:** 04/10/13

Case Narrative (continued)

Report Submission

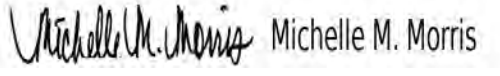
All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

At the client's request, the sample was not analyzed for PCBs.

Solids, Total

L1305568-01: The average result from the original samples is reported; the Duplicate was performed with original batch.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Michelle M. Morris

Title: Technical Director/Representative Date: 04/10/13

ORGANICS

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305568

Project Number: Not Specified **Report Date:** 04/10/13

SAMPLE RESULTS

Lab ID:	L1305568-01	Date Collected:	04/02/13 09:50
Client ID:	E017E009	Date Received:	04/02/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/03/13 07:50
Analytical Date:	04/09/13 00:05		
Analyst:	JB		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	49.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1
Benzo(a)anthracene	680		ug/kg	110	37.	1
Benzo(a)pyrene	640		ug/kg	150	46.	1
Benzo(b)fluoranthene	790		ug/kg	110	38.	1
Benzo(k)fluoranthene	270		ug/kg	110	36.	1
Chrysene	730		ug/kg	110	37.	1
Fluorene	ND		ug/kg	190	54.	1
Phenanthrene	150		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	100	J	ug/kg	110	36.	1
Indeno(1,2,3-cd)pyrene	410		ug/kg	150	42.	1
2-Chlorophenol	ND		ug/kg	190	57.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	56.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	62.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	118		25-120
Phenol-d6	**128**	Q	10-120
Nitrobenzene-d5	119		23-120
2-Fluorobiphenyl	113		30-120
2,4,6-Tribromophenol	123		0-136
4-Terphenyl-d14	**129**	Q	18-120

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305568
Report Date: 04/10/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/08/13 22:14
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 04/03/13 07:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG599139-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	83	22.
Dimethyl phthalate	ND		ug/kg	83	21.
Benzo(a)anthracene	ND		ug/kg	50	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	50	17.
Benzo(k)fluoranthene	ND		ug/kg	50	16.
Chrysene	ND		ug/kg	50	16.
Fluorene	ND		ug/kg	83	24.
Phenanthrene	ND		ug/kg	50	16.
Dibenzo(a,h)anthracene	ND		ug/kg	50	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	83	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	83	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	47		30-120
2,4,6-Tribromophenol	48		0-136
4-Terphenyl-d14	51		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305568

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599139-2 WG599139-3								
Acenaphthene	61		58		31-137	5		50
1,2,4-Trichlorobenzene	61		49		38-107	22		50
Hexachlorobenzene	68		74		40-140	8		50
Bis(2-chloroethyl)ether	56		44		40-140	24		50
2-Chloronaphthalene	68		61		40-140	11		50
1,2-Dichlorobenzene	61		48		40-140	24		50
1,3-Dichlorobenzene	58		45		40-140	25		50
1,4-Dichlorobenzene	59		46		28-104	25		50
3,3'-Dichlorobenzidine	**35**	Q	47		40-140	29		50
2,4-Dinitrotoluene	76		85		28-89	11		50
2,6-Dinitrotoluene	73		78		40-140	7		50
Fluoranthene	70		74		40-140	6		50
4-Chlorophenyl phenyl ether	67		69		40-140	3		50
4-Bromophenyl phenyl ether	71		75		40-140	5		50
Bis(2-chloroisopropyl)ether	54		44		40-140	20		50
Bis(2-chloroethoxy)methane	61		53		40-117	14		50
Hexachlorobutadiene	63		50		40-140	23		50
Hexachlorocyclopentadiene	47		42		40-140	11		50
Hexachloroethane	58		44		40-140	27		50
Isophorone	60		54		40-140	11		50
Naphthalene	60		49		40-140	20		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305568

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599139-2 WG599139-3								
Nitrobenzene	60		49		40-140	20		50
NitrosoDiPhenylAmine(NDPA)/DPA	67		72			7		50
n-Nitrosodi-n-propylamine	57		49		32-121	15		50
Bis(2-Ethylhexyl)phthalate	65		70		40-140	7		50
Butyl benzyl phthalate	70		76		40-140	8		50
Di-n-butylphthalate	69		75		40-140	8		50
Di-n-octylphthalate	69		76		40-140	10		50
Diethyl phthalate	65		71		40-140	9		50
Dimethyl phthalate	64		68		40-140	6		50
Benzo(a)anthracene	66		70		40-140	6		50
Benzo(a)pyrene	69		72		40-140	4		50
Benzo(b)fluoranthene	72		76		40-140	5		50
Benzo(k)fluoranthene	65		67		40-140	3		50
Chrysene	64		67		40-140	5		50
Acenaphthylene	69		66		40-140	4		50
Anthracene	66		70		40-140	6		50
Benzo(ghi)perylene	68		68		40-140	0		50
Fluorene	67		69		40-140	3		50
Phenanthrene	64		67		40-140	5		50
Dibenzo(a,h)anthracene	71		74		40-140	4		50
Indeno(1,2,3-cd)Pyrene	70		71		40-140	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305568
Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599139-2 WG599139-3								
Pyrene	69		73		35-142	6		50
Biphenyl	62		57			8		50
4-Chloroaniline	**18**	Q	**29**	Q	40-140	47		50
2-Nitroaniline	75		81		47-134	8		50
3-Nitroaniline	35		50		26-129	35		50
4-Nitroaniline	70		78		41-125	11		50
Dibenzofuran	64		64		40-140	0		50
2-Methylnaphthalene	64		55		40-140	15		50
1,2,4,5-Tetrachlorobenzene	64		55		40-117	15		50
Acetophenone	66		57		14-144	15		50
2,4,6-Trichlorophenol	76		74		30-130	3		50
P-Chloro-M-Cresol	71		72		26-103	1		50
2-Chlorophenol	65		53		25-102	20		50
2,4-Dichlorophenol	74		65		30-130	13		50
2,4-Dimethylphenol	66		59		30-130	11		50
2-Nitrophenol	66		57		30-130	15		50
4-Nitrophenol	75		84		11-114	11		50
2,4-Dinitrophenol	52		68		4-130	27		50
4,6-Dinitro-o-cresol	71		83		10-130	16		50
Pentachlorophenol	66		76		17-109	14		50
Phenol	66		57		26-90	15		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305568

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599139-2 WG599139-3								
2-Methylphenol	66		56		30-130.	16		50
3-Methylphenol/4-Methylphenol	65		58		30-130	11		50
2,4,5-Trichlorophenol	79		80		30-130	1		50
Benzoic Acid	14		29			**70**	Q	50
Benzyl Alcohol	65		56		40-140	15		50
Carbazole	67		72		54-128	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		52		25-120
Phenol-d6	69		56		10-120
Nitrobenzene-d5	64		52		23-120
2-Fluorobiphenyl	72		64		30-120
2,4,6-Tribromophenol	80		83		0-136
4-Terphenyl-d14	77		80		18-120

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305568
Project Number: Not Specified
Report Date: 04/10/13

SAMPLE RESULTS

Lab ID: L1305568-01
Client ID: E017E009
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 88%

Date Collected: 04/02/13 09:50
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.1		mg/kg	0.44	0.13	2	04/05/13 14:02	04/09/13 18:12	EPA 3050B	1,6010C	MS
Barium, Total	63		mg/kg	0.44	0.13	2	04/05/13 14:02	04/09/13 18:12	EPA 3050B	1,6010C	MS
Beryllium, Total	0.57		mg/kg	0.22	0.02	2	04/05/13 14:02	04/09/13 18:12	EPA 3050B	1,6010C	MS
Cadmium, Total	1.2		mg/kg	0.44	0.03	2	04/05/13 14:02	04/09/13 18:12	EPA 3050B	1,6010C	MS
Chromium, Total	23		mg/kg	0.44	0.09	2	04/05/13 14:02	04/09/13 18:12	EPA 3050B	1,6010C	MS
Copper, Total	12		mg/kg	0.44	0.22	2	04/05/13 14:02	04/09/13 18:12	EPA 3050B	1,6010C	MS
Lead, Total	20		mg/kg	2.2	0.13	2	04/05/13 14:02	04/09/13 18:12	EPA 3050B	1,6010C	MS
Mercury, Total	0.12	J	mg/kg	0.18	0.02	2	04/09/13 08:33	04/09/13 11:50	EPA 7471B	1,7471B	MC
Nickel, Total	13		mg/kg	1.1	0.18	2	04/05/13 14:02	04/09/13 18:12	EPA 3050B	1,6010C	MS
Selenium, Total	0.37	J	mg/kg	0.88	0.13	2	04/05/13 14:02	04/09/13 18:12	EPA 3050B	1,6010C	MS
Silver, Total	ND		mg/kg	0.44	0.09	2	04/05/13 14:02	04/09/13 18:12	EPA 3050B	1,6010C	MS
Zinc, Total	44		mg/kg	2.2	0.22	2	04/05/13 14:02	04/09/13 18:12	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305568

Project Number: Not Specified **Report Date:** 04/10/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG599875-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Barium, Total	ND		mg/kg	0.40	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Copper, Total	ND		mg/kg	0.40	0.20	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Lead, Total	ND		mg/kg	2.0	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Silver, Total	ND		mg/kg	0.40	0.08	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Zinc, Total	ND		mg/kg	2.0	0.20	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG600212-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/09/13 08:33	04/09/13 11:28	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305568

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG599875-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	96		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Chromium, Total	101		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	101		-		80-120	-		
Nickel, Total	99		-		82-117	-		
Selenium, Total	98		-		80-120	-		
Silver, Total	98		-		66-134	-		
Zinc, Total	103		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG600212-2 SRM Lot Number: 0518-10-02								
Mercury, Total	108		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305568
Report Date: 04/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599875-4 QC Sample: L1305558-01 Client ID: MS Sample												
Arsenic, Total	8.5	14.7	29	**139**	Q	-	-		75-125	-		35
Barium, Total	370	246	620	102		-	-		75-125	-		35
Beryllium, Total	1.8	6.14	9.2	120		-	-		75-125	-		35
Cadmium, Total	0.52J	6.27	68	108		-	-		75-125	-		35
Chromium, Total	36.	24.6	68	**130**	Q	-	-		75-125	-		35
Copper, Total	10.	30.7	50	**130**	Q	-	-		75-125	-		35
Lead, Total	14.	62.7	95	**129**	Q	-	-		75-125	-		35
Nickel, Total	24.	61.4	91	109		-	-		75-125	-		35
Selenium, Total	5.6	14.7	24	125		-	-		75-125	-		35
Silver, Total	0.37J	36.9	49	**133**	Q	-	-		75-125	-		35
Zinc, Total	130	61.4	210	**130**	Q	-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600212-4 QC Sample: L1305558-01 Client ID: MS Sample												
Mercury, Total	0.07J	0.254	0.31	122		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305568
Report Date: 04/10/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599875-3 QC Sample: L1305558-01 Client ID: DUP Sample						
Arsenic, Total	8.5	9.8	mg/kg	14		35
Barium, Total	370	410	mg/kg	10		35
Beryllium, Total	1.8	2.2	mg/kg	20		35
Cadmium, Total	0.52J	1.2J	mg/kg	NC		35
Chromium, Total	36.	50	mg/kg	33		35
Copper, Total	10.	14	mg/kg	33		35
Lead, Total	14.	19	mg/kg	30		35
Nickel, Total	24.	32	mg/kg	29		35
Selenium, Total	5.6	7.1	mg/kg	24		35
Silver, Total	0.37J	0.41J	mg/kg	NC		35
Zinc, Total	130	170	mg/kg	27		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600212-3 QC Sample: L1305558-01 Client ID: DUP Sample						
Mercury, Total	0.07J	0.04J	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305568
Report Date: 04/10/13

SAMPLE RESULTS

Lab ID: L1305568-01
Client ID: E017E009
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/02/13 09:50
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.5		%	0.100	NA	1	-	04/03/13 19:35	30,2540G	RD
Cyanide, Total	ND		mg/kg	1.1	0.25	2	04/03/13 10:08	04/04/13 15:40	1,9010C/9012A	JO

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305568

Project Number: Not Specified **Report Date:** 04/10/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG599327-1										
Cyanide, Total	ND		mg/kg	0.94	0.22	1	04/03/13 10:08	04/04/13 15:17	1,9010C/9012A	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305568

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG599327-4 WG599327-5								
Cyanide, Total	111		112		80-120	1		35

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305568
Report Date: 04/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599327-3 WG599327-2 QC Sample: L1305611-23 Client ID: MS Sample												
Cyanide, Total	ND	10	11	100		11	100		65-135	0		35

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305568
Project Number:	Not Specified	**Report Date:**	04/10/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305568
Project Number:	Not Specified	**Report Date:**	04/10/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF COUNTY

PAGE 1 OF 1

ALPHA ANALYTICAL World Class Chemistry

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/2/13
ALPHA Job #: L1305568

Project Information

Project Name: BASF Glens Falls New York
Project Location: Glens Falls New York
Project #:
Project Manager: P. Malmquist
ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions
Address: 4327 Pt Pleasant Pk (PO Box 410)
Danboro, PA 18916
Phone: 215-230-8282
Fax: 215-230-8283
Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/9/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:
Extract/Digest Sample E017... and Sample E009...
Composite and analyze Extract/Digestate as Sample inidicated below.
Detection limits to meet NYSDEC Part 375 Requirements (0.5 x Unrestricted)
Use average of associated aliquot %Moisture for result calculations

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cyanide	Metals-See attached list (no Cr6+)	PCBs	SVOCs-See attached list	Sample Specific Comments	TOTAL # BOTTLES
05568.1	E017 E009	4/2	950	S	[illegible]	☒	☒	☒	☒		

Container Type: -
Preservative: -

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/2 1210	Robert Haines	4/2/13 1210
Robert Haines	4/2/13 2335	[signature]	4/2/13 2335

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 5-JAN-12)

JOB: L1305566 REPORT STYLE: Data Usability Report
001: Cover & Signature Pages - OK
006: Narrative Page(s) - OK
010: Cover Page - OK
011: Volatiles Sample Results - OK
012: Volatiles Blank Report - OK
013: Volatiles LCS Report - OK
018: Cover Page - OK
019: Semivolatiles Sample Results - OK
020: Semivolatiles Blank Report - OK
021: Semivolatiles LCS Report - OK
100: Metals Sample Results - OK
101: Metals Blank Report - OK
102: Metals LCS Report - OK
104: Metals Matrix Spike Report - OK
105: Metals Duplicate Report - OK
118: Cover Page - OK
120: Wet Chemistry Sample Results - OK
125: Wet Chemistry Duplicate Report - OK
510: Container Report - OK
520: Glossary - OK
540: Reference Report - OK

No results found for sample L1305566-01 for product AG-TI
No results found for sample L1305566-01 for product AS-TI
No results found for sample L1305566-01 for product BA-TI
No results found for sample L1305566-01 for product BE-TI
No results found for sample L1305566-01 for product CD-TI
No results found for sample L1305566-01 for product CU-TI
No results found for sample L1305566-01 for product NI-TI
No results found for sample L1305566-01 for product PB-TI
No results found for sample L1305566-01 for product SE-TI
No results found for sample L1305566-01 for product TCN-9010
No results found for sample L1305566-01 for product ZN-TI
No results found for sample L1305566-02 for product AG-TI
No results found for sample L1305566-02 for product AS-TI
No results found for sample L1305566-02 for product BA-TI
No results found for sample L1305566-02 for product BE-TI
No results found for sample L1305566-02 for product CD-TI
No results found for sample L1305566-02 for product CU-TI
No results found for sample L1305566-02 for product NI-TI
No results found for sample L1305566-02 for product PB-TI
No results found for sample L1305566-02 for product SE-TI
No results found for sample L1305566-02 for product TCN-9010

No results found for sample L1305566-02 for product ZN-TI

ANALYTICAL REPORT

Lab Number:	L1305566
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/17/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305566
Report Date: 04/17/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305566-01	E017015	GLENS FALLS NEW YORK	04/02/13 09:50
L1305566-02	E009015	GLENS FALLS NEW YORK	04/02/13 09:20

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305566
Project Number: Not Specified **Report Date:** 04/17/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305566
Project Number:	Not Specified	**Report Date:**	04/17/13

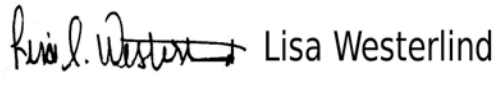
Case Narrative (continued)

Report Submission

This partial report replaces the partial report issued on April 9, 2013. At the client's request, the samples were additionally analyzed for Total Chromium, Total Mercury and Semivolatile Organics. A final report will be issued as soon as the results of all requested analyses become available.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Lisa Westerlind

Title: Technical Director/Representative Date: 04/17/13

ORGANICS

VOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305566

Project Number: Not Specified **Report Date:** 04/17/13

SAMPLE RESULTS

Lab ID:	L1305566-01	Date Collected:	04/02/13 09:50
Client ID:	E017015	Date Received:	04/02/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/03/13 15:01		
Analyst:	BN		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.4	0.36	1
Carbon tetrachloride	ND		ug/kg	0.96	0.20	1
Chlorobenzene	ND		ug/kg	0.96	0.33	1
1,2-Dichloroethane	ND		ug/kg	0.96	0.14	1
Benzene	ND		ug/kg	0.96	0.11	1
Toluene	ND		ug/kg	1.4	0.11	1
Ethylbenzene	ND		ug/kg	0.96	0.14	1
Chloromethane	ND		ug/kg	4.8	0.75	1
Vinyl chloride	ND		ug/kg	1.9	0.14	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.96	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	4.8	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	4.8	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	4.8	0.23	1
cis-1,2-Dichloroethene	ND		ug/kg	0.96	0.14	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	100		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305566

Project Number: Not Specified **Report Date:** 04/17/13

SAMPLE RESULTS

Lab ID:	L1305566-02	Date Collected:	04/02/13 09:20
Client ID:	E009015	Date Received:	04/02/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/03/13 15:29		
Analyst:	BN		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.5	0.36	1
Carbon tetrachloride	ND		ug/kg	0.98	0.20	1
Chlorobenzene	ND		ug/kg	0.98	0.34	1
1,2-Dichloroethane	ND		ug/kg	0.98	0.14	1
Benzene	ND		ug/kg	0.98	0.12	1
Toluene	ND		ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	0.98	0.14	1
Chloromethane	ND		ug/kg	4.9	0.77	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	0.98	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	4.9	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	4.9	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	4.9	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	0.98	0.15	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	101		70-130

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305566
Report Date: 04/17/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/03/13 12:11
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG599355-3					
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.25	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Vinyl chloride	ND		ug/kg	2.0	0.14
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305566

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599355-1 WG599355-2								
Methylene chloride	110		109		70-130	1		30
1,1-Dichloroethane	110		107		70-130	3		30
Chloroform	106		102		70-130	4		30
Carbon tetrachloride	104		97		70-130	7		30
1,2-Dichloropropane	108		106		70-130	2		30
Dibromochloromethane	99		98		70-130	1		30
2-Chloroethylvinyl ether	108		106			2		30
1,1,2-Trichloroethane	106		108		70-130	2		30
Tetrachloroethene	101		95		70-130	6		30
Chlorobenzene	101		98		70-130	3		30
Trichlorofluoromethane	110		106		70-139	4		30
1,2-Dichloroethane	110		109		70-130	1		30
1,1,1-Trichloroethane	106		101		70-130	5		30
Bromodichloromethane	105		104		70-130	1		30
trans-1,3-Dichloropropene	107		106		70-130	1		30
cis-1,3-Dichloropropene	107		103		70-130	4		30
1,1-Dichloropropene	107		104		70-130	3		30
Bromoform	96		96		70-130	0		30
1,1,2,2-Tetrachloroethane	103		105		70-130	2		30
Benzene	107		103		70-130	4		30
Toluene	104		100		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305566

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599355-1 WG599355-2								
Ethylbenzene	104		100		70-130	4		30
Chloromethane	**143**	Q	**138**	Q	52-130	4		30
Bromomethane	122		117		57-147	4		30
Vinyl chloride	129		123		67-130	5		30
Chloroethane	118		115		50-151	3		30
1,1-Dichloroethene	111		105		65-135	6		30
trans-1,2-Dichloroethene	105		101		70-130	4		30
Trichloroethene	106		102		70-130	4		30
1,2-Dichlorobenzene	97		96		70-130	1		30
1,3-Dichlorobenzene	99		96		70-130	3		30
1,4-Dichlorobenzene	98		96		70-130	2		30
Methyl tert butyl ether	104		105		66-130	1		30
p/m-Xylene	103		99		70-130	4		30
o-Xylene	101		99		70-130	2		30
cis-1,2-Dichloroethene	102		100		70-130	2		30
Dibromomethane	108		107		70-130	1		30
Styrene	103		100		70-130	3		30
Dichlorodifluoromethane	136		129		30-146	5		30
Acetone	**143**	Q	135		54-140	6		30
Carbon disulfide	112		105		59-130	6		30
2-Butanone	128		127		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305566

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599355-1 WG599355-2								
Vinyl acetate	114		115		70-130	1		30
4-Methyl-2-pentanone	100		104		70-130	4		30
1,2,3-Trichloropropane	106		109		68-130	3		30
2-Hexanone	115		116		70-130	1		30
Bromochloromethane	104		101		70-130	3		30
2,2-Dichloropropane	112		105		70-130	6		30
1,2-Dibromoethane	101		101		70-130	0		30
1,3-Dichloropropane	105		103		69-130	2		30
1,1,1,2-Tetrachloroethane	99		99		70-130	0		30
Bromobenzene	96		94		70-130	2		30
n-Butylbenzene	108		103		70-130	5		30
sec-Butylbenzene	103		99		70-130	4		30
tert-Butylbenzene	99		95		70-130	4		30
o-Chlorotoluene	98		105		70-130	7		30
p-Chlorotoluene	106		101		70-130	5		30
1,2-Dibromo-3-chloropropane	101		104		68-130	3		30
Hexachlorobutadiene	104		100		67-130	4		30
Isopropylbenzene	100		96		70-130	4		30
p-Isopropyltoluene	101		98		70-130	3		30
Naphthalene	92		95		70-130	3		30
Acrylonitrile	112		114		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305566

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599355-1 WG599355-2								
Isopropyl Ether	113		110		66-130	3		30
tert-Butyl Alcohol	111		119		70-130	7		30
n-Propylbenzene	103		100		70-130	3		30
1,2,3-Trichlorobenzene	97		96		70-130	1		30
1,2,4-Trichlorobenzene	97		95		70-130	2		30
1,3,5-Trimethylbenzene	104		99		70-130	5		30
1,2,4-Trimethylbenzene	103		100		70-130	3		30
Methyl Acetate	113		120		70-130	6		30
Ethyl Acetate	107		118		70-130	10		30
Acrolein	115		122		70-130	6		30
Cyclohexane	115		108		70-130	6		30
1,4-Dioxane	96		103		65-136	7		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	108		105		70-130	3		30
1,4-Diethylbenzene	103		98		70-130	5		30
4-Ethyltoluene	102		98		70-130	4		30
1,2,4,5-Tetramethylbenzene	99		97		70-130	2		30
Tetrahydrofuran	108		117		66-130	8		30
Ethyl ether	102		102		67-130	0		30
trans-1,4-Dichloro-2-butene	120		123		70-130	2		30
Methyl cyclohexane	104		99		70-130	5		30
Ethyl-Tert-Butyl-Ether	108		106		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305566

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599355-1 WG599355-2								
Tertiary-Amyl Methyl Ether	103		102		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		107		70-130
Toluene-d8	103		103		70-130
4-Bromofluorobenzene	102		102		70-130
Dibromofluoromethane	100		100		70-130

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305566

Project Number: Not Specified **Report Date:** 04/17/13

SAMPLE RESULTS

Lab ID:	L1305566-01	Date Collected:	04/02/13 09:50
Client ID:	E017015	Date Received:	04/02/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/03/13 07:50
Analytical Date:	04/17/13 09:32		
Analyst:	JB		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	57	J	ug/kg	59	19.	1
Benzo(a)pyrene	42	J	ug/kg	79	24.	1
Benzo(b)fluoranthene	58	J	ug/kg	59	20.	1
Chrysene	58	J	ug/kg	59	19.	1
Indeno(1,2,3-cd)pyrene	61	J	ug/kg	79	22.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	52		0-136
4-Terphenyl-d14	60		18-120

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305566

Project Number: Not Specified **Report Date:** 04/17/13

SAMPLE RESULTS

Lab ID:	L1305566-02	Date Collected:	04/02/13 09:20
Client ID:	E009015	Date Received:	04/02/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/03/13 07:50
Analytical Date:	04/17/13 10:00		
Analyst:	JB		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	630		ug/kg	54	18.	1
Benzo(a)pyrene	560		ug/kg	72	22.	1
Benzo(b)fluoranthene	620		ug/kg	54	18.	1
Chrysene	630		ug/kg	54	18.	1
Indeno(1,2,3-cd)pyrene	400		ug/kg	72	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	85		0-136
4-Terphenyl-d14	72		18-120

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305566
Report Date: 04/17/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/08/13 22:14
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 04/03/13 07:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG599139-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	83	22.
Dimethyl phthalate	ND		ug/kg	83	21.
Benzo(a)anthracene	ND		ug/kg	50	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	50	17.
Benzo(k)fluoranthene	ND		ug/kg	50	16.
Chrysene	ND		ug/kg	50	16.
Fluorene	ND		ug/kg	83	24.
Phenanthrene	ND		ug/kg	50	16.
Dibenzo(a,h)anthracene	ND		ug/kg	50	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	83	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	83	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	47		30-120
2,4,6-Tribromophenol	48		0-136
4-Terphenyl-d14	51		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305566

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599139-2 WG599139-3								
Acenaphthene	61		58		31-137	5		50
1,2,4-Trichlorobenzene	61		49		38-107	22		50
Hexachlorobenzene	68		74		40-140	8		50
Bis(2-chloroethyl)ether	56		44		40-140	24		50
2-Chloronaphthalene	68		61		40-140	11		50
1,2-Dichlorobenzene	61		48		40-140	24		50
1,3-Dichlorobenzene	58		45		40-140	25		50
1,4-Dichlorobenzene	59		46		28-104	25		50
3,3'-Dichlorobenzidine	**35**	Q	47		40-140	29		50
2,4-Dinitrotoluene	76		85		28-89	11		50
2,6-Dinitrotoluene	73		78		40-140	7		50
Fluoranthene	70		74		40-140	6		50
4-Chlorophenyl phenyl ether	67		69		40-140	3		50
4-Bromophenyl phenyl ether	71		75		40-140	5		50
Bis(2-chloroisopropyl)ether	54		44		40-140	20		50
Bis(2-chloroethoxy)methane	61		53		40-117	14		50
Hexachlorobutadiene	63		50		40-140	23		50
Hexachlorocyclopentadiene	47		42		40-140	11		50
Hexachloroethane	58		44		40-140	27		50
Isophorone	60		54		40-140	11		50
Naphthalene	60		49		40-140	20		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305566

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599139-2 WG599139-3								
Nitrobenzene	60		49		40-140	20		50
NitrosoDiPhenylAmine(NDPA)/DPA	67		72			7		50
n-Nitrosodi-n-propylamine	57		49		32-121	15		50
Bis(2-Ethylhexyl)phthalate	65		70		40-140	7		50
Butyl benzyl phthalate	70		76		40-140	8		50
Di-n-butylphthalate	69		75		40-140	8		50
Di-n-octylphthalate	69		76		40-140	10		50
Diethyl phthalate	65		71		40-140	9		50
Dimethyl phthalate	64		68		40-140	6		50
Benzo(a)anthracene	66		70		40-140	6		50
Benzo(a)pyrene	69		72		40-140	4		50
Benzo(b)fluoranthene	72		76		40-140	5		50
Benzo(k)fluoranthene	65		67		40-140	3		50
Chrysene	64		67		40-140	5		50
Acenaphthylene	69		66		40-140	4		50
Anthracene	66		70		40-140	6		50
Benzo(ghi)perylene	68		68		40-140	0		50
Fluorene	67		69		40-140	3		50
Phenanthrene	64		67		40-140	5		50
Dibenzo(a,h)anthracene	71		74		40-140	4		50
Indeno(1,2,3-cd)Pyrene	70		71		40-140	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305566
Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599139-2 WG599139-3								
Pyrene	69		73		35-142	6		50
Biphenyl	62		57			8		50
4-Chloroaniline	**18**	Q	**29**	Q	40-140	47		50
2-Nitroaniline	75		81		47-134	8		50
3-Nitroaniline	35		50		26-129	35		50
4-Nitroaniline	70		78		41-125	11		50
Dibenzofuran	64		64		40-140	0		50
2-Methylnaphthalene	64		55		40-140	15		50
1,2,4,5-Tetrachlorobenzene	64		55		40-117	15		50
Acetophenone	66		57		14-144	15		50
2,4,6-Trichlorophenol	76		74		30-130	3		50
P-Chloro-M-Cresol	71		72		26-103	1		50
2-Chlorophenol	65		53		25-102	20		50
2,4-Dichlorophenol	74		65		30-130	13		50
2,4-Dimethylphenol	66		59		30-130	11		50
2-Nitrophenol	66		57		30-130	15		50
4-Nitrophenol	75		84		11-114	11		50
2,4-Dinitrophenol	52		68		4-130	27		50
4,6-Dinitro-o-cresol	71		83		10-130	16		50
Pentachlorophenol	66		76		17-109	14		50
Phenol	66		57		26-90	15		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305566

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599139-2 WG599139-3								
2-Methylphenol	66		56		30-130.	16		50
3-Methylphenol/4-Methylphenol	65		58		30-130	11		50
2,4,5-Trichlorophenol	79		80		30-130	1		50
Benzoic Acid	14		29			**70**	Q	50
Benzyl Alcohol	65		56		40-140	15		50
Carbazole	67		72		54-128	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		52		25-120
Phenol-d6	69		56		10-120
Nitrobenzene-d5	64		52		23-120
2-Fluorobiphenyl	72		64		30-120
2,4,6-Tribromophenol	80		83		0-136
4-Terphenyl-d14	77		80		18-120

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305566
Project Number: Not Specified
Report Date: 04/17/13

SAMPLE RESULTS

Lab ID: L1305566-01
Client ID: E017015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 84%

Date Collected: 04/02/13 09:50
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	31		mg/kg	0.46	0.09	1	04/05/13 14:20	04/08/13 16:28	EPA 3050B	1,6010C	MS
Mercury, Total	0.15		mg/kg	0.09	0.02	1	04/09/13 08:33	04/09/13 11:46	EPA 7471B	1,7471B	MC

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305566
Project Number: Not Specified
Report Date: 04/17/13

SAMPLE RESULTS

Lab ID: L1305566-02
Client ID: E009015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 91%

Date Collected: 04/02/13 09:20
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	14		mg/kg	0.42	0.08	1	04/05/13 14:20	04/08/13 16:31	EPA 3050B	1,6010C	MS
Mercury, Total	0.09		mg/kg	0.09	0.02	1	04/09/13 08:33	04/09/13 11:48	EPA 7471B	1,7471B	MC

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305566

Project Number: Not Specified **Report Date:** 04/17/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG599875-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Barium, Total	ND		mg/kg	0.40	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Copper, Total	ND		mg/kg	0.40	0.20	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Lead, Total	ND		mg/kg	2.0	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Silver, Total	ND		mg/kg	0.40	0.08	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Zinc, Total	ND		mg/kg	2.0	0.20	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG600212-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/09/13 08:33	04/09/13 11:28	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305566

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG599875-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	96		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Chromium, Total	101		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	101		-		80-120	-		
Nickel, Total	99		-		82-117	-		
Selenium, Total	98		-		80-120	-		
Silver, Total	98		-		66-134	-		
Zinc, Total	103		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG600212-2 SRM Lot Number: 0518-10-02								
Mercury, Total	108		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305566
Report Date: 04/17/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599875-4 QC Sample: L1305558-01 Client ID: MS Sample												
Arsenic, Total	8.5	14.7	29	**139**	Q	-	-		75-125	-		35
Barium, Total	370	246	620	102		-	-		75-125	-		35
Beryllium, Total	1.8	6.14	9.2	120		-	-		75-125	-		35
Cadmium, Total	0.52J	6.27	68	108		-	-		75-125	-		35
Chromium, Total	36.	24.6	68	**130**	Q	-	-		75-125	-		35
Copper, Total	10.	30.7	50	**130**	Q	-	-		75-125	-		35
Lead, Total	14.	62.7	95	**129**	Q	-	-		75-125	-		35
Nickel, Total	24.	61.4	91	109		-	-		75-125	-		35
Selenium, Total	5.6	14.7	24	125		-	-		75-125	-		35
Silver, Total	0.37J	36.9	49	**133**	Q	-	-		75-125	-		35
Zinc, Total	130	61.4	210	**130**	Q	-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600212-4 QC Sample: L1305558-01 Client ID: MS Sample												
Mercury, Total	0.07J	0.254	0.31	122		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305566
Report Date: 04/17/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599875-3 QC Sample: L1305558-01 Client ID: DUP Sample						
Barium, Total	370	410	mg/kg	10		35
Chromium, Total	36.	50	mg/kg	33		35
Zinc, Total	130	170	mg/kg	27		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600212-3 QC Sample: L1305558-01 Client ID: DUP Sample						
Mercury, Total	0.07J	0.04J	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305566
Report Date: 04/17/13

SAMPLE RESULTS

Lab ID: L1305566-01
Client ID: E017015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/02/13 09:50
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.7		%	0.100	NA	1	-	04/03/13 19:35	30,2540G	RD

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305566
Report Date: 04/17/13

SAMPLE RESULTS

Lab ID: L1305566-02
Client ID: E009015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/02/13 09:20
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.2		%	0.100	NA	1	-	04/03/13 19:35	30,2540G	RD

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305566
Report Date: 04/17/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599356-1 QC Sample: L1305527-01 Client ID: DUP Sample						
Solids, Total	86.3	85.8	%	1		20

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305566
Report Date: 04/17/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 04/03/2013 01:54

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305566-01A	Vial MeOH preserved	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1305566-01B	Vial water preserved	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1305566-01C	Vial water preserved	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1305566-01D	Plastic 2oz unpreserved for TS	A	N/A	2.6	Y	Absent	TS(7)
L1305566-01E	Amber 120ml unpreserved	A	N/A	2.6	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305566-01F	Amber 250ml unpreserved	A	N/A	2.6	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305566-02A	Vial MeOH preserved	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1305566-02B	Vial water preserved	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1305566-02C	Vial water preserved	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1305566-02D	Plastic 2oz unpreserved for TS	A	N/A	2.6	Y	Absent	TS(7)
L1305566-02E	Amber 120ml unpreserved	A	N/A	2.6	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305566
Report Date: 04/17/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305566-02F	Amber 250ml unpreserved	A	N/A	2.6	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305566
Project Number:	Not Specified	**Report Date:**	04/17/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305566
Project Number:	Not Specified	**Report Date:**	04/17/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
World Class Chemistry

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab: 4/2/13

ALPHA Job #: L1305566

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/9/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Detection limits to meet NYSDEC Part 375 Requirements (Unrestricted)
Find %Moisture of each aliquot and calculate average for use as %Moisture of associated composite sample

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs-See attached list	Hexavalent Chromium-Hold	Cyanide-Hold	Metals-See attached list-Hold	PCBs-Hold	SVOCs-See atached list-Hold							Sample Specific Comments	TOTAL # BOTTLES
05566-1	E017015	4/2	950	S	[illegible]	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		
2	E069015	4/2	920	S	[illegible]	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
Container Type						-	-	-	-	-	-	-	-	-	-	-	-		
Preservative						-	-	-	-	-	-	-	-	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/2 1210	Robert Harris	4/2/13 1210
Robert Harris	4/2/13 2335	[signature]	4/2/13 2335

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ)
(rev. 5-JAN-12)

ANALYTICAL REPORT

Lab Number:	L1305562
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/10/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305562
Report Date: 04/10/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305562-01	E020E021	GLENS FALLS NEW YORK	04/02/13 08:30

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305562
Project Number: Not Specified **Report Date:** 04/10/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305562
Project Number:	Not Specified	**Report Date:**	04/10/13

Case Narrative (continued)

Report Submission

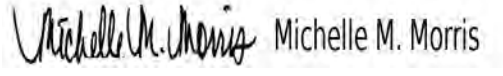
All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

At the client's request, the sample was not analyzed for PCBs.

Solids, Total

L1305562-01: The average result from the original samples is reported; the Duplicate was performed with original batch.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Michelle M. Morris

Title: Technical Director/Representative Date: 04/10/13

ORGANICS

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305562

Project Number: Not Specified **Report Date:** 04/10/13

SAMPLE RESULTS

Lab ID:	L1305562-01	Date Collected:	04/02/13 08:30
Client ID:	E020E021	Date Received:	04/02/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/03/13 07:50
Analytical Date:	04/08/13 23:37		
Analyst:	JB		
Percent Solids:	71%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	ND		ug/kg	230	60.	1
Dimethyl phthalate	ND		ug/kg	230	59.	1
Benzo(a)anthracene	ND		ug/kg	140	45.	1
Benzo(a)pyrene	ND		ug/kg	180	56.	1
Benzo(b)fluoranthene	ND		ug/kg	140	47.	1
Benzo(k)fluoranthene	ND		ug/kg	140	44.	1
Chrysene	ND		ug/kg	140	45.	1
Fluorene	ND		ug/kg	230	66.	1
Phenanthrene	ND		ug/kg	140	45.	1
Dibenzo(a,h)anthracene	ND		ug/kg	140	45.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	180	51.	1
2-Chlorophenol	ND		ug/kg	230	70.	1
Pentachlorophenol	ND		ug/kg	180	49.	1
Phenol	ND		ug/kg	230	68.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	330	76.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	99		25-120
Phenol-d6	103		10-120
Nitrobenzene-d5	103		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	96		0-136
4-Terphenyl-d14	102		18-120

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305562
Report Date: 04/10/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/08/13 22:14
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 04/03/13 07:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG599139-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	83	22.
Dimethyl phthalate	ND		ug/kg	83	21.
Benzo(a)anthracene	ND		ug/kg	50	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	50	17.
Benzo(k)fluoranthene	ND		ug/kg	50	16.
Chrysene	ND		ug/kg	50	16.
Fluorene	ND		ug/kg	83	24.
Phenanthrene	ND		ug/kg	50	16.
Dibenzo(a,h)anthracene	ND		ug/kg	50	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	83	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	83	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	47		30-120
2,4,6-Tribromophenol	48		0-136
4-Terphenyl-d14	51		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305562

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599139-2 WG599139-3								
Acenaphthene	61		58		31-137	5		50
1,2,4-Trichlorobenzene	61		49		38-107	22		50
Hexachlorobenzene	68		74		40-140	8		50
Bis(2-chloroethyl)ether	56		44		40-140	24		50
2-Chloronaphthalene	68		61		40-140	11		50
1,2-Dichlorobenzene	61		48		40-140	24		50
1,3-Dichlorobenzene	58		45		40-140	25		50
1,4-Dichlorobenzene	59		46		28-104	25		50
3,3'-Dichlorobenzidine	**35**	Q	47		40-140	29		50
2,4-Dinitrotoluene	76		85		28-89	11		50
2,6-Dinitrotoluene	73		78		40-140	7		50
Fluoranthene	70		74		40-140	6		50
4-Chlorophenyl phenyl ether	67		69		40-140	3		50
4-Bromophenyl phenyl ether	71		75		40-140	5		50
Bis(2-chloroisopropyl)ether	54		44		40-140	20		50
Bis(2-chloroethoxy)methane	61		53		40-117	14		50
Hexachlorobutadiene	63		50		40-140	23		50
Hexachlorocyclopentadiene	47		42		40-140	11		50
Hexachloroethane	58		44		40-140	27		50
Isophorone	60		54		40-140	11		50
Naphthalene	60		49		40-140	20		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305562

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599139-2 WG599139-3								
Nitrobenzene	60		49		40-140	20		50
NitrosoDiPhenylAmine(NDPA)/DPA	67		72			7		50
n-Nitrosodi-n-propylamine	57		49		32-121	15		50
Bis(2-Ethylhexyl)phthalate	65		70		40-140	7		50
Butyl benzyl phthalate	70		76		40-140	8		50
Di-n-butylphthalate	69		75		40-140	8		50
Di-n-octylphthalate	69		76		40-140	10		50
Diethyl phthalate	65		71		40-140	9		50
Dimethyl phthalate	64		68		40-140	6		50
Benzo(a)anthracene	66		70		40-140	6		50
Benzo(a)pyrene	69		72		40-140	4		50
Benzo(b)fluoranthene	72		76		40-140	5		50
Benzo(k)fluoranthene	65		67		40-140	3		50
Chrysene	64		67		40-140	5		50
Acenaphthylene	69		66		40-140	4		50
Anthracene	66		70		40-140	6		50
Benzo(ghi)perylene	68		68		40-140	0		50
Fluorene	67		69		40-140	3		50
Phenanthrene	64		67		40-140	5		50
Dibenzo(a,h)anthracene	71		74		40-140	4		50
Indeno(1,2,3-cd)Pyrene	70		71		40-140	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305562
Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599139-2 WG599139-3								
Pyrene	69		73		35-142	6		50
Biphenyl	62		57			8		50
4-Chloroaniline	**18**	Q	**29**	Q	40-140	47		50
2-Nitroaniline	75		81		47-134	8		50
3-Nitroaniline	35		50		26-129	35		50
4-Nitroaniline	70		78		41-125	11		50
Dibenzofuran	64		64		40-140	0		50
2-Methylnaphthalene	64		55		40-140	15		50
1,2,4,5-Tetrachlorobenzene	64		55		40-117	15		50
Acetophenone	66		57		14-144	15		50
2,4,6-Trichlorophenol	76		74		30-130	3		50
P-Chloro-M-Cresol	71		72		26-103	1		50
2-Chlorophenol	65		53		25-102	20		50
2,4-Dichlorophenol	74		65		30-130	13		50
2,4-Dimethylphenol	66		59		30-130	11		50
2-Nitrophenol	66		57		30-130	15		50
4-Nitrophenol	75		84		11-114	11		50
2,4-Dinitrophenol	52		68		4-130	27		50
4,6-Dinitro-o-cresol	71		83		10-130	16		50
Pentachlorophenol	66		76		17-109	14		50
Phenol	66		57		26-90	15		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305562

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG599139-2 WG599139-3								
2-Methylphenol	66		56		30-130.	16		50
3-Methylphenol/4-Methylphenol	65		58		30-130	11		50
2,4,5-Trichlorophenol	79		80		30-130	1		50
Benzoic Acid	14		29			**70**	Q	50
Benzyl Alcohol	65		56		40-140	15		50
Carbazole	67		72		54-128	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		52		25-120
Phenol-d6	69		56		10-120
Nitrobenzene-d5	64		52		23-120
2-Fluorobiphenyl	72		64		30-120
2,4,6-Tribromophenol	80		83		0-136
4-Terphenyl-d14	77		80		18-120

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305562
Project Number: Not Specified
Report Date: 04/10/13

SAMPLE RESULTS

Lab ID: L1305562-01
Client ID: E020E021
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 71%

Date Collected: 04/02/13 08:30
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	5.1		mg/kg	0.55	0.17	2	04/05/13 14:02	04/09/13 18:10	EPA 3050B	1,6010C	MS
Barium, Total	180		mg/kg	0.55	0.17	2	04/05/13 14:02	04/09/13 18:10	EPA 3050B	1,6010C	MS
Beryllium, Total	0.99		mg/kg	0.28	0.02	2	04/05/13 14:02	04/09/13 18:10	EPA 3050B	1,6010C	MS
Cadmium, Total	ND		mg/kg	0.55	0.03	2	04/05/13 14:02	04/09/13 18:10	EPA 3050B	1,6010C	MS
Chromium, Total	21		mg/kg	0.55	0.11	2	04/05/13 14:02	04/09/13 18:10	EPA 3050B	1,6010C	MS
Copper, Total	6.8		mg/kg	0.55	0.28	2	04/05/13 14:02	04/09/13 18:10	EPA 3050B	1,6010C	MS
Lead, Total	8.1		mg/kg	2.8	0.17	2	04/05/13 14:02	04/09/13 18:10	EPA 3050B	1,6010C	MS
Mercury, Total	0.03	J	mg/kg	0.20	0.02	2	04/09/13 08:33	04/09/13 11:44	EPA 7471B	1,7471B	MC
Nickel, Total	14		mg/kg	1.4	0.22	2	04/05/13 14:02	04/09/13 18:10	EPA 3050B	1,6010C	MS
Selenium, Total	1.8		mg/kg	1.1	0.17	2	04/05/13 14:02	04/09/13 18:10	EPA 3050B	1,6010C	MS
Silver, Total	ND		mg/kg	0.55	0.11	2	04/05/13 14:02	04/09/13 18:10	EPA 3050B	1,6010C	MS
Zinc, Total	77		mg/kg	2.8	0.28	2	04/05/13 14:02	04/09/13 18:10	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305562

Project Number: Not Specified **Report Date:** 04/10/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG599875-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Barium, Total	ND		mg/kg	0.40	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Copper, Total	ND		mg/kg	0.40	0.20	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Lead, Total	ND		mg/kg	2.0	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Silver, Total	ND		mg/kg	0.40	0.08	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Zinc, Total	ND		mg/kg	2.0	0.20	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG600212-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/09/13 08:33	04/09/13 11:28	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305562

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG599875-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	96		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Chromium, Total	101		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	101		-		80-120	-		
Nickel, Total	99		-		82-117	-		
Selenium, Total	98		-		80-120	-		
Silver, Total	98		-		66-134	-		
Zinc, Total	103		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG600212-2 SRM Lot Number: 0518-10-02								
Mercury, Total	108		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305562
Report Date: 04/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599875-4 QC Sample: L1305558-01 Client ID: MS Sample												
Arsenic, Total	8.5	14.7	29	**139**	Q	-	-		75-125	-		35
Barium, Total	370	246	620	102		-	-		75-125	-		35
Beryllium, Total	1.8	6.14	9.2	120		-	-		75-125	-		35
Cadmium, Total	0.52J	6.27	68	108		-	-		75-125	-		35
Chromium, Total	36.	24.6	68	**130**	Q	-	-		75-125	-		35
Copper, Total	10.	30.7	50	**130**	Q	-	-		75-125	-		35
Lead, Total	14.	62.7	95	**129**	Q	-	-		75-125	-		35
Nickel, Total	24.	61.4	91	109		-	-		75-125	-		35
Selenium, Total	5.6	14.7	24	125		-	-		75-125	-		35
Silver, Total	0.37J	36.9	49	**133**	Q	-	-		75-125	-		35
Zinc, Total	130	61.4	210	**130**	Q	-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600212-4 QC Sample: L1305558-01 Client ID: MS Sample												
Mercury, Total	0.07J	0.254	0.31	122		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305562
Report Date: 04/10/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599875-3 QC Sample: L1305558-01 Client ID: DUP Sample						
Arsenic, Total	8.5	9.8	mg/kg	14		35
Barium, Total	370	410	mg/kg	10		35
Beryllium, Total	1.8	2.2	mg/kg	20		35
Cadmium, Total	0.52J	1.2J	mg/kg	NC		35
Chromium, Total	36.	50	mg/kg	33		35
Copper, Total	10.	14	mg/kg	33		35
Lead, Total	14.	19	mg/kg	30		35
Nickel, Total	24.	32	mg/kg	29		35
Selenium, Total	5.6	7.1	mg/kg	24		35
Silver, Total	0.37J	0.41J	mg/kg	NC		35
Zinc, Total	130	170	mg/kg	27		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG600212-3 QC Sample: L1305558-01 Client ID: DUP Sample						
Mercury, Total	0.07J	0.04J	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305562
Report Date: 04/10/13

SAMPLE RESULTS

Lab ID: L1305562-01
Client ID: E020E021
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Date Collected: 04/02/13 08:30
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	70.5		%	0.100	NA	1	-	04/03/13 19:35	30,2540G	RD
Cyanide, Total	ND		mg/kg	1.4	0.32	2	04/03/13 10:08	04/04/13 15:38	1,9010C/9012A	JO

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305562

Project Number: Not Specified **Report Date:** 04/10/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG599327-1										
Cyanide, Total	ND		mg/kg	0.94	0.22	1	04/03/13 10:08	04/04/13 15:17	1,9010C/9012A	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305562

Report Date: 04/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG599327-4 WG599327-5								
Cyanide, Total	111		112		80-120	1		35

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305562
Report Date: 04/10/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599327-3 WG599327-2 QC Sample: L1305611-23 Client ID: MS Sample												
Cyanide, Total	ND	10	11	100		11	100		65-135	0		35

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305562
Project Number:	Not Specified	**Report Date:**	04/10/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305562
Project Number:	Not Specified	**Report Date:**	04/10/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305562
Project Number:	Not Specified	**Report Date:**	04/10/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF COUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL World Class Chemistry

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/2/13

ALPHA Job #: L1305562

Project Information

Project Name: BASF Glens Falls New York
Project Location: Glens Falls New York
Project #:
Project Manager: P. Malmquist
ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions
Address: 4327 Pt Pleasant Pk (PO Box 410)
Danboro, PA 18916
Phone: 215-230-8282
Fax: 215-230-8283
Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/9/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Extract/Digest Sample E020815 and Sample E021015.
Composite and analyze Extract/Digestate as Sample inidicated below.
Detection limits to meet NYSDEC Part 375 Requirements (0.5 x Unrestricted)
Use average of associated aliquot %Moisture for result calculations

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cyanide	Metals-See attached list (no Cr6+)	PCBs	SVOCs-See attached list									Sample Specific Comments	TOTAL # BOTTLES
05562.1	E020E021	4/2	830	S	RM	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐		
Container Type						-	-	-	-	-	-	-	-	-	-	-	-		
Preservative						-	-	-	-	-	-	-	-	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
Robert Haine	4/2/13 1210	Robert Haine	4/2/13 1210
	4/2/13 2335		4/2/13 2335

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 5-JAN-12)

JOB: L1305558 REPORT STYLE: Data Usability Report
001: Cover & Signature Pages - OK
006: Narrative Page(s) - OK
010: Cover Page - OK
011: Volatiles Sample Results - OK
012: Volatiles Blank Report - OK
013: Volatiles LCS Report - OK
018: Cover Page - OK
020: Semivolatiles Blank Report - OK
021: Semivolatiles LCS Report - OK
100: Metals Sample Results - OK
101: Metals Blank Report - OK
102: Metals LCS Report - OK
104: Metals Matrix Spike Report - OK
105: Metals Duplicate Report - OK
118: Cover Page - OK
120: Wet Chemistry Sample Results - OK
125: Wet Chemistry Duplicate Report - OK
510: Container Report - OK
520: Glossary - OK
540: Reference Report - OK

No results found for sample L1305558-01 for product AG-TI
No results found for sample L1305558-01 for product AS-TI
No results found for sample L1305558-01 for product BE-TI
No results found for sample L1305558-01 for product CD-TI
No results found for sample L1305558-01 for product CU-TI
No results found for sample L1305558-01 for product HG-T
No results found for sample L1305558-01 for product NI-TI
No results found for sample L1305558-01 for product NYTCL-8270
No results found for sample L1305558-01 for product PB-TI
No results found for sample L1305558-01 for product SE-TI
No results found for sample L1305558-01 for product TCN-9010
No results found for sample L1305558-02 for product AG-TI
No results found for sample L1305558-02 for product AS-TI
No results found for sample L1305558-02 for product BE-TI
No results found for sample L1305558-02 for product CD-TI
No results found for sample L1305558-02 for product CU-TI
No results found for sample L1305558-02 for product HG-T
No results found for sample L1305558-02 for product NI-TI
No results found for sample L1305558-02 for product NYTCL-8270
No results found for sample L1305558-02 for product PB-TI
No results found for sample L1305558-02 for product SE-TI
No results found for sample L1305558-02 for product TCN-9010

ANALYTICAL REPORT

Lab Number:	L1305558
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/17/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305558
Report Date: 04/17/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305558-01	E020015	GLENS FALLS NEW YORK	04/02/13 08:30
L1305558-02	E021015	GLENS FALLS NEW YORK	04/02/13 08:20

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305558
Project Number: Not Specified **Report Date:** 04/17/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305558
Project Number:	Not Specified	**Report Date:**	04/17/13

Case Narrative (continued)

Report Submission

The report replaces the report issued earlier today and includes the Metals analysis for L1305558-02.

This partial report replaces the partial report issued on April 9, 2013. At the client's request, the samples were additionally analyzed for Total Barium, Chromium and Zinc. A final report will be issued as soon as the results of all requested analyses become available.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Metals

The WG599875-4 MS recoveries, performed on L1305558-01, are above the acceptance criteria for Chromium (130%) and Zinc (130%). A post digestion spike was performed with acceptable recoveries for Chromium (83%) and Zinc (78%).

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Lisa Westerlind

Title: Technical Director/Representative Date: 04/17/13

ORGANICS

VOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305558

Project Number: Not Specified **Report Date:** 04/17/13

SAMPLE RESULTS

Lab ID:	L1305558-01	Date Collected:	04/02/13 08:30
Client ID:	E020015	Date Received:	04/02/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/05/13 18:58		
Analyst:	PP		
Percent Solids:	61%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	2.0	0.50	1
Carbon tetrachloride	ND		ug/kg	1.3	0.28	1
Chlorobenzene	ND		ug/kg	1.3	0.47	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.20	1
Benzene	ND		ug/kg	1.3	0.16	1
Toluene	0.71	J	ug/kg	2.0	0.15	1
Ethylbenzene	ND		ug/kg	1.3	0.20	1
Chloromethane	ND		ug/kg	6.7	1.0	1
Vinyl chloride	ND		ug/kg	2.7	0.19	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.28	1
Trichloroethene	ND		ug/kg	1.3	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	6.7	0.24	1
1,3-Dichlorobenzene	ND		ug/kg	6.7	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	6.7	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.20	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	102		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305558

Project Number: Not Specified **Report Date:** 04/17/13

SAMPLE RESULTS

Lab ID:	L1305558-02	Date Collected:	04/02/13 08:20
Client ID:	E021015	Date Received:	04/02/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/05/13 19:26		
Analyst:	PP		
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.5	0.37	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	0.26	J	ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.0	0.79	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	104		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305558

Project Number: Not Specified **Report Date:** 04/17/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/05/13 09:37
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG600020-3					
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.45	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Vinyl chloride	ND		ug/kg	2.0	0.14
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305558

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600020-1 WG600020-2								
Methylene chloride	95		96		70-130	1		30
1,1-Dichloroethane	89		91		70-130	2		30
Chloroform	84		86		70-130	2		30
Carbon tetrachloride	82		85		70-130	4		30
1,2-Dichloropropane	89		91		70-130	2		30
Dibromochloromethane	89		91		70-130	2		30
2-Chloroethylvinyl ether	89		91			2		30
1,1,2-Trichloroethane	90		94		70-130	4		30
Tetrachloroethene	93		95		70-130	2		30
Chlorobenzene	91		92		70-130	1		30
Trichlorofluoromethane	70		74		70-139	6		30
1,2-Dichloroethane	77		78		70-130	1		30
1,1,1-Trichloroethane	81		84		70-130	4		30
Bromodichloromethane	82		83		70-130	1		30
trans-1,3-Dichloropropene	89		91		70-130	2		30
cis-1,3-Dichloropropene	87		88		70-130	1		30
1,1-Dichloropropene	86		88		70-130	2		30
Bromoform	86		89		70-130	3		30
1,1,2,2-Tetrachloroethane	91		94		70-130	3		30
Benzene	88		90		70-130	2		30
Toluene	90		93		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305558

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600020-1 WG600020-2								
Ethylbenzene	87		89		70-130	2		30
Chloromethane	117		118		52-130	1		30
Bromomethane	94		91		57-147	3		30
Vinyl chloride	104		109		67-130	5		30
Chloroethane	72		64		50-151	12		30
1,1-Dichloroethene	92		95		65-135	3		30
trans-1,2-Dichloroethene	91		93		70-130	2		30
Trichloroethene	86		88		70-130	2		30
1,2-Dichlorobenzene	92		93		70-130	1		30
1,3-Dichlorobenzene	94		93		70-130	1		30
1,4-Dichlorobenzene	93		94		70-130	1		30
Methyl tert butyl ether	86		88		66-130	2		30
p/m-Xylene	90		92		70-130	2		30
o-Xylene	90		90		70-130	0		30
cis-1,2-Dichloroethene	88		90		70-130	2		30
Dibromomethane	83		84		70-130	1		30
Styrene	88		88		70-130	0		30
Dichlorodifluoromethane	94		98		30-146	4		30
Acetone	107		137		54-140	25		30
Carbon disulfide	93		97		59-130	4		30
2-Butanone	97		111		70-130	13		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305558

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600020-1 WG600020-2								
Vinyl acetate	82		85		70-130	4		30
4-Methyl-2-pentanone	86		89		70-130	3		30
1,2,3-Trichloropropane	85		90		68-130	6		30
2-Hexanone	85		96		70-130	12		30
Bromochloromethane	93		94		70-130	1		30
2,2-Dichloropropane	83		85		70-130	2		30
1,2-Dibromoethane	90		92		70-130	2		30
1,3-Dichloropropane	91		92		69-130	1		30
1,1,1,2-Tetrachloroethane	89		90		70-130	1		30
Bromobenzene	92		94		70-130	2		30
n-Butylbenzene	89		92		70-130	3		30
sec-Butylbenzene	88		92		70-130	4		30
tert-Butylbenzene	90		93		70-130	3		30
o-Chlorotoluene	89		91		70-130	2		30
p-Chlorotoluene	90		92		70-130	2		30
1,2-Dibromo-3-chloropropane	76		81		68-130	6		30
Hexachlorobutadiene	96		98		67-130	2		30
Isopropylbenzene	88		92		70-130	4		30
p-Isopropyltoluene	90		92		70-130	2		30
Naphthalene	94		96		70-130	2		30
Acrylonitrile	94		99		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305558

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600020-1 WG600020-2								
Isopropyl Ether	89		91		66-130	2		30
tert-Butyl Alcohol	85		92		70-130	8		30
n-Propylbenzene	89		92		70-130	3		30
1,2,3-Trichlorobenzene	98		99		70-130	1		30
1,2,4-Trichlorobenzene	98		100		70-130	2		30
1,3,5-Trimethylbenzene	91		93		70-130	2		30
1,2,4-Trimethylbenzene	91		93		70-130	2		30
Methyl Acetate	88		94		70-130	7		30
Ethyl Acetate	85		88		70-130	3		30
Acrolein	80		83		70-130	4		30
Cyclohexane	85		89		70-130	5		30
1,4-Dioxane	102		110		65-136	8		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	83		87		70-130	5		30
1,4-Diethylbenzene	92		94		70-130	2		30
4-Ethyltoluene	92		94		70-130	2		30
1,2,4,5-Tetramethylbenzene	91		93		70-130	2		30
Tetrahydrofuran	91		96		66-130	5		30
Ethyl ether	76		78		67-130	3		30
trans-1,4-Dichloro-2-butene	82		86		70-130	5		30
Methyl cyclohexane	79		84		70-130	6		30
Ethyl-Tert-Butyl-Ether	87		88		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305558

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG600020-1 WG600020-2								
Tertiary-Amyl Methyl Ether	85		86		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	86		87		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	95		98		70-130
Dibromofluoromethane	98		98		70-130

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305558
Report Date: 04/17/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/08/13 22:14
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 04/03/13 07:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG599139-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	83	22.
Dimethyl phthalate	ND		ug/kg	83	21.
Benzo(a)anthracene	ND		ug/kg	50	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	50	17.
Benzo(k)fluoranthene	ND		ug/kg	50	16.
Chrysene	ND		ug/kg	50	16.
Fluorene	ND		ug/kg	83	24.
Phenanthrene	ND		ug/kg	50	16.
Dibenzo(a,h)anthracene	ND		ug/kg	50	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	83	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	83	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	47		30-120
2,4,6-Tribromophenol	48		0-136
4-Terphenyl-d14	51		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305558

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599139-2 WG599139-3								
Acenaphthene	61		58		31-137	5		50
1,2,4-Trichlorobenzene	61		49		38-107	22		50
Hexachlorobenzene	68		74		40-140	8		50
Bis(2-chloroethyl)ether	56		44		40-140	24		50
2-Chloronaphthalene	68		61		40-140	11		50
1,2-Dichlorobenzene	61		48		40-140	24		50
1,3-Dichlorobenzene	58		45		40-140	25		50
1,4-Dichlorobenzene	59		46		28-104	25		50
3,3'-Dichlorobenzidine	**35**	Q	47		40-140	29		50
2,4-Dinitrotoluene	76		85		28-89	11		50
2,6-Dinitrotoluene	73		78		40-140	7		50
Fluoranthene	70		74		40-140	6		50
4-Chlorophenyl phenyl ether	67		69		40-140	3		50
4-Bromophenyl phenyl ether	71		75		40-140	5		50
Bis(2-chloroisopropyl)ether	54		44		40-140	20		50
Bis(2-chloroethoxy)methane	61		53		40-117	14		50
Hexachlorobutadiene	63		50		40-140	23		50
Hexachlorocyclopentadiene	47		42		40-140	11		50
Hexachloroethane	58		44		40-140	27		50
Isophorone	60		54		40-140	11		50
Naphthalene	60		49		40-140	20		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305558

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599139-2 WG599139-3								
Nitrobenzene	60		49		40-140	20		50
NitrosoDiPhenylAmine(NDPA)/DPA	67		72			7		50
n-Nitrosodi-n-propylamine	57		49		32-121	15		50
Bis(2-Ethylhexyl)phthalate	65		70		40-140	7		50
Butyl benzyl phthalate	70		76		40-140	8		50
Di-n-butylphthalate	69		75		40-140	8		50
Di-n-octylphthalate	69		76		40-140	10		50
Diethyl phthalate	65		71		40-140	9		50
Dimethyl phthalate	64		68		40-140	6		50
Benzo(a)anthracene	66		70		40-140	6		50
Benzo(a)pyrene	69		72		40-140	4		50
Benzo(b)fluoranthene	72		76		40-140	5		50
Benzo(k)fluoranthene	65		67		40-140	3		50
Chrysene	64		67		40-140	5		50
Acenaphthylene	69		66		40-140	4		50
Anthracene	66		70		40-140	6		50
Benzo(ghi)perylene	68		68		40-140	0		50
Fluorene	67		69		40-140	3		50
Phenanthrene	64		67		40-140	5		50
Dibenzo(a,h)anthracene	71		74		40-140	4		50
Indeno(1,2,3-cd)Pyrene	70		71		40-140	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305558
Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599139-2 WG599139-3								
Pyrene	69		73		35-142	6		50
Biphenyl	62		57			8		50
4-Chloroaniline	**18**	Q	**29**	Q	40-140	47		50
2-Nitroaniline	75		81		47-134	8		50
3-Nitroaniline	35		50		26-129	35		50
4-Nitroaniline	70		78		41-125	11		50
Dibenzofuran	64		64		40-140	0		50
2-Methylnaphthalene	64		55		40-140	15		50
1,2,4,5-Tetrachlorobenzene	64		55		40-117	15		50
Acetophenone	66		57		14-144	15		50
2,4,6-Trichlorophenol	76		74		30-130	3		50
P-Chloro-M-Cresol	71		72		26-103	1		50
2-Chlorophenol	65		53		25-102	20		50
2,4-Dichlorophenol	74		65		30-130	13		50
2,4-Dimethylphenol	66		59		30-130	11		50
2-Nitrophenol	66		57		30-130	15		50
4-Nitrophenol	75		84		11-114	11		50
2,4-Dinitrophenol	52		68		4-130	27		50
4,6-Dinitro-o-cresol	71		83		10-130	16		50
Pentachlorophenol	66		76		17-109	14		50
Phenol	66		57		26-90	15		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305558

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG599139-2 WG599139-3								
2-Methylphenol	66		56		30-130.	16		50
3-Methylphenol/4-Methylphenol	65		58		30-130	11		50
2,4,5-Trichlorophenol	79		80		30-130	1		50
Benzoic Acid	14		29			**70**	Q	50
Benzyl Alcohol	65		56		40-140	15		50
Carbazole	67		72		54-128	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		52		25-120
Phenol-d6	69		56		10-120
Nitrobenzene-d5	64		52		23-120
2-Fluorobiphenyl	72		64		30-120
2,4,6-Tribromophenol	80		83		0-136
4-Terphenyl-d14	77		80		18-120

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305558
Project Number: Not Specified
Report Date: 04/17/13

SAMPLE RESULTS

Lab ID: L1305558-01
Client ID: E020015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 61%

Date Collected: 04/02/13 08:30
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Barium, Total	370		mg/kg	1.3	0.39	2	04/05/13 14:20	04/08/13 15:54	EPA 3050B	1,6010C	MS
Chromium, Total	36		mg/kg	1.3	0.26	2	04/05/13 14:20	04/08/13 15:54	EPA 3050B	1,6010C	MS
Zinc, Total	130		mg/kg	6.4	0.64	2	04/05/13 14:20	04/08/13 15:54	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305558
Project Number: Not Specified
Report Date: 04/17/13

SAMPLE RESULTS

Lab ID: L1305558-02
Client ID: E021015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 80%

Date Collected: 04/02/13 08:20
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Barium, Total	39		mg/kg	0.48	0.14	1	04/05/13 14:20	04/08/13 16:20	EPA 3050B	1,6010C	MS
Chromium, Total	10		mg/kg	0.48	0.10	1	04/05/13 14:20	04/08/13 16:20	EPA 3050B	1,6010C	MS
Zinc, Total	36		mg/kg	2.4	0.24	1	04/05/13 14:20	04/08/13 16:20	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305558

Project Number: Not Specified **Report Date:** 04/17/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG599875-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Barium, Total	ND		mg/kg	0.40	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Copper, Total	ND		mg/kg	0.40	0.20	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Lead, Total	ND		mg/kg	2.0	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Silver, Total	ND		mg/kg	0.40	0.08	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS
Zinc, Total	ND		mg/kg	2.0	0.20	1	04/05/13 14:20	04/08/13 15:40	1,6010C	MS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG600212-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/09/13 08:33	04/09/13 11:28	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305558

Report Date: 04/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG599875-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	96		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Chromium, Total	101		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	101		-		80-120	-		
Nickel, Total	99		-		82-117	-		
Selenium, Total	98		-		80-120	-		
Silver, Total	98		-		66-134	-		
Zinc, Total	103		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG600212-2 SRM Lot Number: 0518-10-02								
Mercury, Total	108		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305558
Report Date: 04/17/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599875-4 QC Sample: L1305558-01 Client ID: E020015												
Arsenic, Total	8.5	14.7	29	**139**	Q	-	-		75-125	-		35
Barium, Total	370	246	620	102		-	-		75-125	-		35
Beryllium, Total	1.8	6.14	9.2	120		-	-		75-125	-		35
Cadmium, Total	0.52J	6.27	68	108		-	-		75-125	-		35
Chromium, Total	36.	24.6	68	**130**	Q	-	-		75-125	-		35
Copper, Total	10.	30.7	50	**130**	Q	-	-		75-125	-		35
Lead, Total	14.	62.7	95	**129**	Q	-	-		75-125	-		35
Nickel, Total	24.	61.4	91	109		-	-		75-125	-		35
Selenium, Total	5.6	14.7	24	125		-	-		75-125	-		35
Silver, Total	0.37J	36.9	49	**133**	Q	-	-		75-125	-		35
Zinc, Total	130	61.4	210	**130**	Q	-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG600212-4 QC Sample: - Client ID: -												
Mercury, Total	ND	0.254	0.31	122		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305558
Report Date: 04/17/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599875-3 QC Sample: L1305558-01 Client ID: E020015						
Barium, Total	370	410	mg/kg	10		35
Chromium, Total	36.	50	mg/kg	33		35
Zinc, Total	130	170	mg/kg	27		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305558
Report Date: 04/17/13

SAMPLE RESULTS

Lab ID: L1305558-01
Client ID: E020015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/02/13 08:30
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	61.1		%	0.100	NA	1	-	04/03/13 19:35	30,2540G	RD

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305558
Report Date: 04/17/13

SAMPLE RESULTS

Lab ID: L1305558-02
Client ID: E021015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/02/13 08:20
Date Received: 04/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.9		%	0.100	NA	1	-	04/03/13 19:35	30,2540G	RD

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305558
Report Date: 04/17/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599356-1 QC Sample: L1305527-01 Client ID: DUP Sample						
Solids, Total	86.3	85.8	%	1		20

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305558
Report Date: 04/17/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 04/03/2013 02:13

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305558-01A	Vial MeOH preserved	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1305558-01B	Vial water preserved	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1305558-01C	Vial water preserved	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1305558-01D	Plastic 2oz unpreserved for TS	A	N/A	2.6	Y	Absent	TS(7)
L1305558-01E	Amber 120ml unpreserved	A	N/A	2.6	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305558-01F	Amber 250ml unpreserved	A	N/A	2.6	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305558-02A	Vial MeOH preserved	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1305558-02B	Vial water preserved	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1305558-02C	Vial water preserved	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1305558-02D	Plastic 2oz unpreserved for TS	A	N/A	2.6	Y	Absent	TS(7)
L1305558-02E	Amber 120ml unpreserved	A	N/A	2.6	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305558
Report Date: 04/17/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305558-02F	Amber 250ml unpreserved	A	N/A	2.6	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305558
Project Number:	Not Specified	**Report Date:**	04/17/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305558
Project Number:	Not Specified	**Report Date:**	04/17/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305558
Project Number:	Not Specified	**Report Date:**	04/17/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
World Class Chemistry

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab: 4/2/13

ALPHA Job #: L1305558

Client Information

Client: AMO Environmental Decisions
Address: 4327 Pt Pleasant Pk (PO Box 410)
Danboro, PA 18916
Phone: 215-230-8282
Fax: 215-230-8283
Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: BASF Glens Falls New York
Project Location: Glens Falls New York
Project #:
Project Manager: P. Malmquist
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/9/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info
PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:
Detection limits to meet NYSDEC Part 375 Requirements (Unrestricted)
Find %Moisture of each aliquot and calculate average for use as %Moisture of associated composite sample

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs-See attached list	Hexavalent Chromium-Hold	Cyanide-Hold	Metals-See attached list-Hold	PCBs-Hold	SVOCs-See atached list-Hold							Sample Specific Comments
05558.1	E020015	4/2	830	S	[illegible]	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐	
2	E021015	4/2	820	S	[illegible]	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐	

Container Type	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/2 1210	Robert Haines	4/2/13 1210
Robert Haines	4/2/13 2335	[signature]	4/2/13 2335

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 5-JAN-12)

ANALYTICAL REPORT

Lab Number:	L1305475
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/09/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305475
Report Date: 04/09/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305475-01	E023E022	GLENS FALLS NEW YORK	04/01/13 12:30

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305475
Project Number: Not Specified **Report Date:** 04/09/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305475
Project Number:	Not Specified	**Report Date:**	04/09/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

At the client's request, the sample was not analyzed for PCBs.

Solids, Total

L1305475-01: The average results from the original samples is reported; the Duplicate was performed with original batch.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 04/09/13

ORGANICS

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305475

Project Number: Not Specified **Report Date:** 04/09/13

SAMPLE RESULTS

Lab ID:	L1305475-01	Date Collected:	04/01/13 12:30
Client ID:	E023E022	Date Received:	04/01/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/02/13 14:15
Analytical Date:	04/03/13 11:20		
Analyst:	RC		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	52.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	ND		ug/kg	120	39.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	40.	1
Benzo(k)fluoranthene	ND		ug/kg	120	38.	1
Chrysene	ND		ug/kg	120	39.	1
Fluorene	ND		ug/kg	200	57.	1
Phenanthrene	ND		ug/kg	120	39.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	44.	1
2-Chlorophenol	ND		ug/kg	200	60.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	59.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	65.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	118		0-136
4-Terphenyl-d14	98		18-120

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305475
Report Date: 04/09/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/03/13 08:41
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 04/02/13 14:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG598994-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	50	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	50	17.
Benzo(k)fluoranthene	ND		ug/kg	50	16.
Chrysene	ND		ug/kg	50	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	50	16.
Dibenzo(a,h)anthracene	ND		ug/kg	50	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		25-120
Phenol-d6	31		10-120
Nitrobenzene-d5	29		23-120
2-Fluorobiphenyl	33		30-120
2,4,6-Tribromophenol	36		0-136
4-Terphenyl-d14	36		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305475

Report Date: 04/09/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG598994-2 WG598994-3								
Bis(2-Ethylhexyl)phthalate	48		46		40-140	4		50
Dimethyl phthalate	48		45		40-140	6		50
Benzo(a)anthracene	50		47		40-140	6		50
Benzo(a)pyrene	51		49		40-140	4		50
Benzo(b)fluoranthene	53		50		40-140	6		50
Benzo(k)fluoranthene	51		48		40-140	6		50
Chrysene	50		48		40-140	4		50
Fluorene	46		44		40-140	4		50
Phenanthrene	48		48		40-140	0		50
Dibenzo(a,h)anthracene	51		49		40-140	4		50
Indeno(1,2,3-cd)Pyrene	49		47		40-140	4		50
2-Chlorophenol	38		37		25-102	3		50
Pentachlorophenol	52		47		17-109	10		50
Phenol	30		29		26-90	3		50
3-Methylphenol/4-Methylphenol	36		36		30-130	0		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305475

Report Date: 04/09/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG598994-2 WG598994-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	38		38		25-120
Phenol-d6	36		35		10-120
Nitrobenzene-d5	32		31		23-120
2-Fluorobiphenyl	41		38		30-120
2,4,6-Tribromophenol	58		55		0-136
4-Terphenyl-d14	54		52		18-120

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305475
Project Number: Not Specified
Report Date: 04/09/13

SAMPLE RESULTS

Lab ID: L1305475-01
Client ID: E023E022
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 82%

Date Collected: 04/01/13 12:30
Date Received: 04/01/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	1.5		mg/kg	0.47	0.14	2	04/04/13 12:19	04/08/13 17:24	EPA 3050B	1,6010C	MS
Barium, Total	27		mg/kg	0.47	0.14	2	04/04/13 12:19	04/08/13 17:24	EPA 3050B	1,6010C	MS
Beryllium, Total	0.36		mg/kg	0.23	0.02	2	04/04/13 12:19	04/08/13 17:24	EPA 3050B	1,6010C	MS
Cadmium, Total	0.15	J	mg/kg	0.47	0.03	2	04/04/13 12:19	04/08/13 17:24	EPA 3050B	1,6010C	MS
Chromium, Total	7.9		mg/kg	0.47	0.09	2	04/04/13 12:19	04/08/13 17:24	EPA 3050B	1,6010C	MS
Copper, Total	6.1		mg/kg	0.47	0.23	2	04/04/13 12:19	04/08/13 17:24	EPA 3050B	1,6010C	MS
Lead, Total	5.9		mg/kg	2.3	0.14	2	04/04/13 12:19	04/08/13 17:24	EPA 3050B	1,6010C	MS
Mercury, Total	0.03	J	mg/kg	0.10	0.02	2	04/07/13 12:46	04/08/13 11:32	EPA 7471B	1,7471B	MC
Nickel, Total	5.3		mg/kg	1.2	0.19	2	04/04/13 12:19	04/08/13 17:24	EPA 3050B	1,6010C	MS
Selenium, Total	0.43	J	mg/kg	0.93	0.14	2	04/04/13 12:19	04/08/13 17:24	EPA 3050B	1,6010C	MS
Silver, Total	ND		mg/kg	0.47	0.09	2	04/04/13 12:19	04/08/13 17:24	EPA 3050B	1,6010C	MS
Zinc, Total	33		mg/kg	2.3	0.23	2	04/04/13 12:19	04/08/13 17:24	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305475

Project Number: Not Specified **Report Date:** 04/09/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG599508-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Barium, Total	ND		mg/kg	0.40	0.12	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Copper, Total	ND		mg/kg	0.40	0.20	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Lead, Total	ND		mg/kg	2.0	0.12	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Selenium, Total	0.14	J	mg/kg	0.80	0.12	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Silver, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Zinc, Total	ND		mg/kg	2.0	0.20	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG599779-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/07/13 12:46	04/08/13 09:42	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305475

Report Date: 04/09/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG599508-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	88		-		83-118	-		
Beryllium, Total	92		-		83-117	-		
Cadmium, Total	89		-		82-117	-		
Chromium, Total	92		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	95		-		80-120	-		
Nickel, Total	94		-		82-117	-		
Selenium, Total	106		-		80-120	-		
Silver, Total	100		-		66-134	-		
Zinc, Total	103		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG599779-2 SRM Lot Number: 0518-10-02								
Mercury, Total	124		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305475
Report Date: 04/09/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599508-4 QC Sample: L1305464-01 Client ID: MS Sample												
Arsenic, Total	1.0	11.9	13	101		-	-		75-125	-		35
Barium, Total	32.	198	220	95		-	-		75-125	-		35
Beryllium, Total	0.45	4.95	5.0	92		-	-		75-125	-		35
Cadmium, Total	0.23J	5.05	44	87		-	-		75-125	-		35
Chromium, Total	7.9	19.8	26	91		-	-		75-125	-		35
Copper, Total	3.1	24.7	28	101		-	-		75-125	-		35
Lead, Total	2.2J	50.5	51	101		-	-		75-125	-		35
Nickel, Total	8.5	49.5	53	90		-	-		75-125	-		35
Selenium, Total	0.31J	11.9	12	101		-	-		75-125	-		35
Silver, Total	ND	29.7	31	104		-	-		75-125	-		35
Zinc, Total	35.	49.5	77	85		-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599779-4 QC Sample: L1305464-01 Client ID: MS Sample												
Mercury, Total	0.02J	0.188	0.21	112		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305475
Report Date: 04/09/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599508-3 QC Sample: L1305464-01 Client ID: DUP Sample						
Arsenic, Total	1.0	1.0	mg/kg	0		35
Barium, Total	32.	29	mg/kg	10		35
Beryllium, Total	0.45	0.34	mg/kg	28		35
Cadmium, Total	0.23J	0.16J	mg/kg	NC		35
Chromium, Total	7.9	7.7	mg/kg	3		35
Copper, Total	3.1	3.1	mg/kg	0		35
Lead, Total	2.2J	2.0J	mg/kg	NC		35
Nickel, Total	8.5	7.7	mg/kg	10		35
Selenium, Total	0.31J	ND	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Zinc, Total	35.	28	mg/kg	22		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599779-3 QC Sample: L1305464-01 Client ID: DUP Sample						
Mercury, Total	0.02J	ND	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305475
Report Date: 04/09/13

SAMPLE RESULTS

Lab ID: L1305475-01
Client ID: E023E022
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/01/13 12:30
Date Received: 04/01/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.1		%	0.100	NA	1	-	04/02/13 19:22	30,2540G	RD
Cyanide, Total	ND		mg/kg	1.2	0.28	2	04/03/13 10:08	04/04/13 15:31	1,9010C/9012A	JO

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305475

Project Number: Not Specified **Report Date:** 04/09/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG599325-1										
Cyanide, Total	ND		mg/kg	0.94	0.22	1	04/03/13 10:08	04/04/13 15:16	1,9010C/9012A	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305475

Report Date: 04/09/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG599325-4 WG599325-5								
Cyanide, Total	111		113		80-120	2		35

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305475
Report Date: 04/09/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599325-3 WG599325-2 QC Sample: L1305611-20 Client ID: MS Sample												
Cyanide, Total	ND	10	11	100		12	110		65-135	9		35

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305475
Project Number:	Not Specified	**Report Date:**	04/09/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305475
Project Number:	Not Specified	**Report Date:**	04/09/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305475
Project Number:	Not Specified	**Report Date:**	04/09/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL World Class Chemistry

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/1/13
ALPHA Job #: L1305475

Client Information

Client: AMO Environmental Decisions
Address: 4327 Pt Pleasant Pk (PO Box 410)
Danboro, PA 18916
Phone: 215-230-8282
Fax: 215-230-8283
Email: pmalmquist@amoed.com
☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: BASF Glens Falls New York
Project Location: Glens Falls New York
Project #:
Project Manager: P. Malmquist
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)
Due Date: 4/8/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:
Extract/Digest Sample E023015 and Sample E022015.
Composite and analyze Extract/Digestate as Sample inidicated below.
Detection limits to meet NYSDEC Part 375 Requirements (0.5 x Unrestricted)
Use average of associated aliquot %Moisture for result calculations

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cyanide	Metals-See attached list (no Cr6+)	PCBs	SVOCs-See atached list	Sample Specific Comments	TOTAL # BOTTLES
05475.1	E023 E022	4/1	1230	S	[illegible]	☒	☒	☒	☒		
						☐	☐	☐	☐		
						☐	☐	☐	☐		
						☐	☐	☐	☐		
						☐	☐	☐	☐		
						☐	☐	☐	☐		
						☐	☐	☐	☐		
						☐	☐	☐	☐		
						☐	☐	☐	☐		
						☐	☐	☐	☐		

Container Type	- - - - - - - - - - - -
Preservative	- - - - - - - - - - - -

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/1 1500	Robert Hatim	4/1/13 1600
Robert Hatim	4/1/13 2100	Kyle Cunningham	4/1/13 2100
Kyle Cunningham	4/1/13 2340	[signature]	4/1/13 2340

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 5-JAN-12)

BASF Corporation
Glens Falls, New York

Supplemental Chain of Custody

Fraction	Parameter	CAS	UNRESTRCT	RES	REST_RES	COMM	IND	ECO_PROT	GW_PROT	Alpha-RL	Alpha-MDL
Inorganic-Cyanide	Cyanide, total	57-12-5	27.000000	27.000000	27.000000	27.000000	10000.000000	999999.999000	40.000000	1.000000	0.234000
Metal	Arsenic	7440-38-2	13.000000	16.000000	16.000000	16.000000	16.000000	13.000000	16.000000	0.400000	0.136900
Metal	Barium	7440-39-3	350.000000	350.000000	400.000000	400.000000	10000.000000	433.000000	820.000000	0.400000	0.109000
Metal	Beryllium	7440-41-7	7.200000	14.000000	72.000000	590.000000	2700.000000	10.000000	47.000000	0.200000	0.014000
Metal	Cadmium	7440-43-9	2.500000	2.500000	4.300000	9.300000	60.000000	4.000000	7.500000	0.400000	0.025000
Metal	Copper	7440-50-8	50.000000	270.000000	270.000000	270.000000	10000.000000	50.000000	1720.000000	0.400000	0.185000
Metal	Lead	7439-92-1	63.000000	400.000000	400.000000	1000.000000	3900.000000	63.000000	450.000000	2.000000	0.112000
Metal	Nickel	7440-02-0	30.000000	140.000000	310.000000	310.000000	10000.000000	30.000000	130.000000	1.000000	0.157800
Metal	Selenium	7782-49-2	3.900000	36.000000	180.000000	1500.000000	6800.000000	3.900000	4.000000	0.800000	0.131000
Metal	Silver	7440-22-4	2.000000	36.000000	180.000000	1500.000000	6800.000000	2.000000	8.300000	0.400000	0.080000
Metal	Zinc	7440-66-6	109.000000	2200.000000	10000.000000	10000.000000	10000.000000	109.000000	2480.000000	2.000000	0.216000
Metal	Chromium	7440-47-3	1.000000	22.000000	110.000000	400.000000	800.000000	1.000000	19.000000	0.400000	0.018000
Metal	Chromium, Hexavalent	18540-29-9	1.000000	22.000000	110.000000	400.000000	800.000000	1.000000	19.000000	0.800000	0.160000
Metal	Mercury	7439-97-6	0.180000	0.810000	0.810000	2.800000	5.700000	0.180000	0.730000	0.080000	0.017000
PCBs	PCBs (Total)	1336-36-3	0.100000	1.000000	1.000000	1.000000	25.000000	1.000000	3.200000	0.033300	0.010045
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	0.167000	0.039000
SVOC	Dimethyl phthalate	131-11-3	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	0.167000	0.026000
SVOC-PAH	Benzo(a)anthracene	56-55-3	1.000000	1.000000	1.000000	5.600000	11.000000	999999.999000	1.000000	0.100000	0.030000
SVOC-PAH	Benzo(a)pyrene	50-32-8	1.000000	1.000000	1.000000	1.000000	1.100000	2.600000	22.000000	0.133000	0.026000
SVOC-PAH	Benzo(b) fluoranthene	205-99-2	1.000000	1.000000	1.000000	5.600000	11.000000	999999.999000	1.700000	0.100000	0.029000
SVOC-PAH	Benzo(k) fluoranthene	207-08-9	0.800000	1.000000	3.900000	56.000000	110.000000	999999.999000	1.700000	0.100000	0.031000
SVOC-PAH	Chrysene	218-01-9	1.000000	1.000000	3.900000	56.000000	110.000000	999999.999000	1.000000	0.100000	0.032000
SVOC-PAH	Dibenzo(ah) anthracene	53-70-3	0.330000	0.330000	0.330000	0.560000	1.100000	999999.999000	1000.000000	0.100000	0.031000
SVOC-PAH	Fluorene	86-73-7	30.000000	100.000000	100.000000	500.000000	1000.000000	30.000000	386.000000	0.167000	0.032000
SVOC-PAH	Indeno(1,2,3-cd)pyrene	193-39-5	0.500000	0.500000	0.500000	5.600000	11.000000	999999.999000	8.200000	0.133000	0.037000
SVOC-PAH	Phenanthrene	85-01-8	100.000000	100.000000	100.000000	500.000000	1000.000000	999999.999000	1000.000000	0.100000	0.027000
SVOC-Phenol	2-Chlorophenol	95-57-81	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	0.167000	0.037000
SVOC-Phenol	4-Methylphenol	106-44-5	0.330000	34.000000	100.000000	500.000000	1000.000000	999999.999000	0.330000	0.233000	0.042000
SVOC-Phenol	Pentachlorophenol	87-86-5	0.800000	2.400000	6.700000	6.700000	55.000000	0.800000	0.800000	0.133000	0.035000
SVOC-Phenol	Phenol	108-95-2	0.330000	100.000000	100.000000	500.000000	1000.000000	30.000000	0.330000	0.167000	0.040000
VOC	1,2-Dichlorobenzene	95-50-1	1.100000	100.000000	100.000000	500.000000	1000.000000	999999.999000	1.100000	0.004000	0.001830
VOC	1,2-Dichloroethane	107-06-2	0.020000	2.300000	3.100000	30.000000	60.000000	10.000000	0.020000	0.001000	0.000146
VOC	1,3-Dichlorobenzene	541-73-1	2.400000	17.000000	49.000000	280.000000	560.000000	999999.999000	2.400000	0.004000	0.000183
VOC	1,4-Dichlorobenzene	106-46-7	1.800000	9.800000	13.000000	130.000000	250.000000	20.000000	1.800000	0.004000	0.000242
VOC	Benzene	71-43-2	0.060000	2.900000	4.800000	44.000000	89.000000	70.000000	0.060000	0.001000	0.000118
VOC	Carbon Tetrachloride	56-23-5	0.760000	1.400000	2.400000	22.000000	44.000000	999999.999000	0.760000	0.001000	0.000210
VOC	Chlorobenzene	108-90-7	1.100000	100.000000	100.000000	500.000000	1000.000000	40.000000	1.100000	0.001000	0.000348
VOC	Chloroform	67-66-3	0.370000	10.000000	49.000000	350.000000	700.000000	12.000000	0.370000	0.001500	0.000348
VOC	Chloromethane	74-87-3	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	0.004000	0.000168
VOC	cis-1,2-Dichloroethene	156-59-2	0.250000	59.000000	100.000000	500.000000	1000.000000	999999.999000	0.250000	0.001000	0.000149
VOC	Ethylbenzene	100-41-4	1.000000	30.000000	41.000000	390.000000	780.000000	999999.999000	1.000000	0.001000	0.000147
VOC	Toluene	108-88-3	0.700000	100.000000	100.000000	500.000000	1000.000000	36.000000	0.700000	0.001500	0.000112
VOC	trans-1,2-Dichloroethene	156-60-5	0.190000	100.000000	100.000000	500.000000	1000.000000	999999.999000	0.190000	0.001500	0.000212
VOC	Trichloroethene	79-01-6	0.470000	10.000000	21.000000	200.000000	400.000000	2.000000	0.470000	0.001000	0.000152
VOC	Vinyl chloride	75-01-4	0.020000	0.210000	0.900000	13.000000	27.000000	999999.999000	0.020000	0.002000	0.000820

JOB: L1305474 REPORT STYLE: Data Usability Report
001: Cover & Signature Pages - OK
006: Narrative Page(s) - OK
010: Cover Page - OK
011: Volatiles Sample Results - OK
012: Volatiles Blank Report - OK
013: Volatiles LCS Report - OK
018: Cover Page - OK
019: Semivolatiles Sample Results - OK
020: Semivolatiles Blank Report - OK
021: Semivolatiles LCS Report - OK
100: Metals Sample Results - OK
101: Metals Blank Report - OK
102: Metals LCS Report - OK
104: Metals Matrix Spike Report - OK
105: Metals Duplicate Report - OK
118: Cover Page - OK
120: Wet Chemistry Sample Results - OK
121: Wet Chemistry Blank Report - OK
122: Wet Chemistry LCS Report - OK
124: Wet Chemistry Matrix Spike Report - OK
125: Wet Chemistry Duplicate Report - OK
510: Container Report - OK
520: Glossary - OK
540: Reference Report - OK

No results found for sample L1305474-01 for product AG-TI
No results found for sample L1305474-01 for product AS-TI
No results found for sample L1305474-01 for product BA-TI
No results found for sample L1305474-01 for product BE-TI
No results found for sample L1305474-01 for product CD-TI
No results found for sample L1305474-01 for product CU-TI
No results found for sample L1305474-01 for product HG-T
No results found for sample L1305474-01 for product NI-TI
No results found for sample L1305474-01 for product NYTCL-8270
No results found for sample L1305474-01 for product PB-TI
No results found for sample L1305474-01 for product SE-TI
No results found for sample L1305474-01 for product TCN-9010
No results found for sample L1305474-01 for product ZN-TI
No results found for sample L1305474-02 for product AG-TI
No results found for sample L1305474-02 for product AS-TI
No results found for sample L1305474-02 for product BA-TI
No results found for sample L1305474-02 for product BE-TI
No results found for sample L1305474-02 for product CD-TI

No results found for sample L1305474-02 for product CU-TI
No results found for sample L1305474-02 for product HG-T
No results found for sample L1305474-02 for product NI-TI
No results found for sample L1305474-02 for product NYTCL-8270
No results found for sample L1305474-02 for product PB-TI
No results found for sample L1305474-02 for product SE-TI
No results found for sample L1305474-02 for product TCN-9010
No results found for sample L1305474-02 for product ZN-TI

ANALYTICAL REPORT

Lab Number:	L1305474
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/16/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305474
Report Date: 04/16/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305474-01	E023015	GLENS FALLS NEW YORK	04/01/13 12:10
L1305474-02	E022015	GLENS FALLS NEW YORK	04/01/13 12:30
L1305474-03	DUP01	GLENS FALLS NEW YORK	04/01/13 00:00
L1305474-04	FB130401	GLENS FALLS NEW YORK	04/01/13 14:45
L1305474-05	TB130401	GLENS FALLS NEW YORK	04/01/13 00:00

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305474
Project Number: Not Specified **Report Date:** 04/16/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305474
Project Number:	Not Specified	**Report Date:**	04/16/13

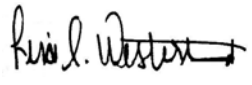
Case Narrative (continued)

Report Submission

This partial report replaces the partial report issued on April 8, 2013. At the client's request, the samples were additionally analyzed for Total Chromium. A final report will be issued as soon as the results of all requested analyses become available.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Lisa Westerlind

Title: Technical Director/Representative Date: 04/16/13

ORGANICS

VOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305474

Project Number: Not Specified **Report Date:** 04/16/13

SAMPLE RESULTS

Lab ID:	L1305474-01	Date Collected:	04/01/13 12:10
Client ID:	E023015	Date Received:	04/01/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/02/13 13:38		
Analyst:	BN		
Percent Solids:	76%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
Chlorobenzene	ND		ug/kg	1.2	0.41	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.17	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.0	0.93	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	96		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305474

Project Number: Not Specified **Report Date:** 04/16/13

SAMPLE RESULTS

Lab ID:	L1305474-02	Date Collected:	04/01/13 12:30
Client ID:	E022015	Date Received:	04/01/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/02/13 14:06		
Analyst:	BN		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.4	0.35	1
Carbon tetrachloride	ND		ug/kg	0.95	0.20	1
Chlorobenzene	ND		ug/kg	0.95	0.33	1
1,2-Dichloroethane	ND		ug/kg	0.95	0.14	1
Benzene	ND		ug/kg	0.95	0.11	1
Toluene	ND		ug/kg	1.4	0.11	1
Ethylbenzene	ND		ug/kg	0.95	0.14	1
Chloromethane	ND		ug/kg	4.7	0.74	1
Vinyl chloride	ND		ug/kg	1.9	0.13	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.95	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	4.7	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.7	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	4.7	0.23	1
cis-1,2-Dichloroethene	ND		ug/kg	0.95	0.14	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	97		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305474

Project Number: Not Specified **Report Date:** 04/16/13

SAMPLE RESULTS

Lab ID:	L1305474-03	Date Collected:	04/01/13 00:00
Client ID:	DUP01	Date Received:	04/01/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/02/13 18:16		
Analyst:	BN		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.9	0.46	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
Chlorobenzene	ND		ug/kg	1.2	0.44	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
Benzene	ND		ug/kg	1.2	0.15	1
Toluene	ND		ug/kg	1.9	0.14	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.3	0.98	1
Vinyl chloride	ND		ug/kg	2.5	0.18	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.27	1
Trichloroethene	ND		ug/kg	1.2	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	6.3	0.23	1
1,3-Dichlorobenzene	ND		ug/kg	6.3	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	6.3	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	100		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305474

Project Number: Not Specified **Report Date:** 04/16/13

SAMPLE RESULTS

Lab ID:	L1305474-04	Date Collected:	04/01/13 14:45
Client ID:	FB130401	Date Received:	04/01/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	04/03/13 15:47		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305474

Project Number: Not Specified **Report Date:** 04/16/13

SAMPLE RESULTS

Lab ID:	L1305474-05	Date Collected:	04/01/13 00:00
Client ID:	TB130401	Date Received:	04/01/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	04/03/13 16:20		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	104		70-130

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305474
Report Date: 04/16/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/02/13 09:26
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG599071-3					
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.33	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Vinyl chloride	ND		ug/kg	2.0	0.14
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305474
Report Date: 04/16/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/03/13 10:22
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG599439-3					
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.16
Chlorobenzene	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.16
Benzene	ND		ug/l	0.50	0.19
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305474
Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG599071-1 WG599071-2								
Methylene chloride	97		93		70-130	4		30
1,1-Dichloroethane	95		91		70-130	4		30
Chloroform	88		85		70-130	3		30
Carbon tetrachloride	93		86		70-130	8		30
1,2-Dichloropropane	92		90		70-130	2		30
Dibromochloromethane	96		94		70-130	2		30
2-Chloroethylvinyl ether	92		90			2		30
1,1,2-Trichloroethane	98		95		70-130	3		30
Tetrachloroethene	105		98		70-130	7		30
Chlorobenzene	99		95		70-130	4		30
Trichlorofluoromethane	89		81		70-139	9		30
1,2-Dichloroethane	78		77		70-130	1		30
1,1,1-Trichloroethane	90		84		70-130	7		30
Bromodichloromethane	85		83		70-130	2		30
trans-1,3-Dichloropropene	96		94		70-130	2		30
cis-1,3-Dichloropropene	89		87		70-130	2		30
1,1-Dichloropropene	96		90		70-130	6		30
Bromoform	94		93		70-130	1		30
1,1,2,2-Tetrachloroethane	98		97		70-130	1		30
Benzene	93		89		70-130	4		30
Toluene	100		95		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305474

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG599071-1 WG599071-2								
Ethylbenzene	98		92		70-130	6		30
Chloromethane	126		119		52-130	6		30
Bromomethane	95		90		57-147	5		30
Vinyl chloride	120		112		67-130	7		30
Chloroethane	82		76		50-151	8		30
1,1-Dichloroethene	104		98		65-135	6		30
trans-1,2-Dichloroethene	98		92		70-130	6		30
Trichloroethene	92		87		70-130	6		30
1,2-Dichlorobenzene	100		97		70-130	3		30
1,3-Dichlorobenzene	102		99		70-130	3		30
1,4-Dichlorobenzene	102		98		70-130	4		30
Methyl tert butyl ether	87		86		66-130	1		30
p/m-Xylene	101		96		70-130	5		30
o-Xylene	99		94		70-130	5		30
cis-1,2-Dichloroethene	92		89		70-130	3		30
Dibromomethane	86		82		70-130	5		30
Styrene	96		92		70-130	4		30
Dichlorodifluoromethane	138		125		30-146	10		30
Acetone	117		95		54-140	21		30
Carbon disulfide	103		96		59-130	7		30
2-Butanone	97		86		70-130	12		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305474

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG599071-1 WG599071-2								
Vinyl acetate	84		82		70-130	2		30
4-Methyl-2-pentanone	84		85		70-130	1		30
1,2,3-Trichloropropane	92		90		68-130	2		30
2-Hexanone	90		86		70-130	5		30
Bromochloromethane	94		90		70-130	4		30
2,2-Dichloropropane	91		84		70-130	8		30
1,2-Dibromoethane	96		93		70-130	3		30
1,3-Dichloropropane	97		94		69-130	3		30
1,1,1,2-Tetrachloroethane	98		94		70-130	4		30
Bromobenzene	101		99		70-130	2		30
n-Butylbenzene	102		97		70-130	5		30
sec-Butylbenzene	103		98		70-130	5		30
tert-Butylbenzene	104		98		70-130	6		30
o-Chlorotoluene	101		95		70-130	6		30
p-Chlorotoluene	101		97		70-130	4		30
1,2-Dibromo-3-chloropropane	81		80		68-130	1		30
Hexachlorobutadiene	112		106		67-130	6		30
Isopropylbenzene	102		97		70-130	5		30
p-Isopropyltoluene	104		98		70-130	6		30
Naphthalene	99		97		70-130	2		30
Acrylonitrile	94		94		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305474

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG599071-1 WG599071-2								
Isopropyl Ether	93		90		66-130	3		30
tert-Butyl Alcohol	84		85		70-130	1		30
n-Propylbenzene	103		97		70-130	6		30
1,2,3-Trichlorobenzene	106		103		70-130	3		30
1,2,4-Trichlorobenzene	107		104		70-130	3		30
1,3,5-Trimethylbenzene	103		98		70-130	5		30
1,2,4-Trimethylbenzene	102		98		70-130	4		30
Methyl Acetate	91		90		70-130	1		30
Ethyl Acetate	86		85		70-130	1		30
Acrolein	79		77		70-130	3		30
Cyclohexane	110		102		70-130	8		30
1,4-Dioxane	87		86		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	109		100		70-130	9		30
1,4-Diethylbenzene	104		100		70-130	4		30
4-Ethyltoluene	104		99		70-130	5		30
1,2,4,5-Tetramethylbenzene	102		100		70-130	2		30
Tetrahydrofuran	89		90		66-130	1		30
Ethyl ether	78		77		67-130	1		30
trans-1,4-Dichloro-2-butene	90		89		70-130	1		30
Methyl cyclohexane	104		96		70-130	8		30
Ethyl-Tert-Butyl-Ether	89		88		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305474

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG599071-1 WG599071-2								
Tertiary-Amyl Methyl Ether	86		85		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	86		86		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	97		97		70-130

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG599439-1 WG599439-2								
Methylene chloride	94		97		70-130	3		20
1,1-Dichloroethane	94		94		70-130	0		20
Chloroform	100		95		70-130	5		20
2-Chloroethylvinyl ether	88		91		70-130	3		20
Carbon tetrachloride	106		102		63-132	4		20
1,2-Dichloropropane	88		88		70-130	0		20
Dibromochloromethane	96		94		63-130	2		20
1,1,2-Trichloroethane	84		82		70-130	2		20
Tetrachloroethene	87		91		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305474

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG599439-1 WG599439-2								
Chlorobenzene	84		84		75-130	0		20
Trichlorofluoromethane	95		95		62-150	0		20
1,2-Dichloroethane	99		102		70-130	3		20
1,1,1-Trichloroethane	104		105		67-130	1		20
Bromodichloromethane	95		99		67-130	4		20
trans-1,3-Dichloropropene	88		88		70-130	0		20
cis-1,3-Dichloropropene	89		88		70-130	1		20
1,1-Dichloropropene	91		92		70-130	1		20
Bromoform	83		86		54-136	4		20
1,1,2,2-Tetrachloroethane	79		86		67-130	8		20
Benzene	90		89		70-130	1		20
Toluene	87		84		70-130	4		20
Ethylbenzene	85		83		70-130	2		20
Chloromethane	93		85		64-130	9		20
Bromomethane	62		48		39-139	**25**	Q	20
Vinyl chloride	79		83		55-140	5		20
Chloroethane	90		82		55-138	9		20
1,1-Dichloroethene	92		98		61-145	6		20
trans-1,2-Dichloroethene	95		90		70-130	5		20
Trichloroethene	91		90		70-130	1		20
1,2-Dichlorobenzene	86		86		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305474

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG599439-1 WG599439-2								
1,3-Dichlorobenzene	82		84		70-130	2		20
1,4-Dichlorobenzene	85		83		70-130	2		20
Methyl tert butyl ether	94		98		63-130	4		20
p/m-Xylene	89		85		70-130	5		20
o-Xylene	93		87		70-130	7		20
cis-1,2-Dichloroethene	89		92		70-130	3		20
Dibromomethane	95		102		70-130	7		20
1,2,3-Trichloropropane	84		86		64-130	2		20
Acrylonitrile	98		98		70-130	0		20
Isopropyl Ether	94		95		70-130	1		20
tert-Butyl Alcohol	89		108		70-130	19		20
Styrene	89		84		70-130	6		20
Dichlorodifluoromethane	85		81		36-147	5		20
Acetone	127		148		58-148	15		20
Carbon disulfide	92		93		51-130	1		20
2-Butanone	94		115		63-138	20		20
Vinyl acetate	105		111		70-130	6		20
4-Methyl-2-pentanone	94		96		59-130	2		20
2-Hexanone	83		88		57-130	6		20
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	107		109		63-133	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305474

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG599439-1 WG599439-2								
1,2-Dibromoethane	85		83		70-130	2		20
1,3-Dichloropropane	84		82		70-130	2		20
1,1,1,2-Tetrachloroethane	91		89		64-130	2		20
Bromobenzene	86		88		70-130	2		20
n-Butylbenzene	84		84		53-136	0		20
sec-Butylbenzene	82		86		70-130	5		20
tert-Butylbenzene	83		84		70-130	1		20
o-Chlorotoluene	84		84		70-130	0		20
p-Chlorotoluene	82		82		70-130	0		20
1,2-Dibromo-3-chloropropane	105		104		41-144	1		20
Hexachlorobutadiene	99		94		63-130	5		20
Isopropylbenzene	81		83		70-130	2		20
p-Isopropyltoluene	83		87		70-130	5		20
Naphthalene	80		85		70-130	6		20
n-Propylbenzene	81		83		69-130	2		20
1,2,3-Trichlorobenzene	93		90		70-130	3		20
1,2,4-Trichlorobenzene	85		80		70-130	6		20
1,3,5-Trimethylbenzene	85		80		64-130	6		20
1,2,4-Trimethylbenzene	90		88		70-130	2		20
Methyl Acetate	97		102		70-130	5		20
Ethyl Acetate	95		99		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305474

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG599439-1 WG599439-2								
Cyclohexane	89		87		70-130	2		20
Ethyl-Tert-Butyl-Ether	91		93		70-130	2		20
Tertiary-Amyl Methyl Ether	92		92		66-130	0		20
1,4-Dioxane	95		116		56-162	20		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	99		99		70-130	0		20
1,4-Diethylbenzene	84		84		70-130	0		20
4-Ethyltoluene	84		84		70-130	0		20
1,2,4,5-Tetramethylbenzene	86		84		70-130	2		20
Ethyl ether	86		87		59-134	1		20
trans-1,4-Dichloro-2-butene	86		88		70-130	2		20
Methyl cyclohexane	86		85		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		112		70-130
Toluene-d8	98		95		70-130
4-Bromofluorobenzene	96		97		70-130
Dibromofluoromethane	103		108		70-130

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305474

Project Number: Not Specified **Report Date:** 04/16/13

SAMPLE RESULTS

Lab ID:	L1305474-04	Date Collected:	04/01/13 14:45
Client ID:	FB130401	Date Received:	04/01/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	04/03/13 08:05
Analytical Date:	04/05/13 00:39		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Benzo(a)anthracene	ND		ug/l	2.0	0.82	1
Benzo(a)pyrene	ND		ug/l	2.0	0.48	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.48	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.48	1
Chrysene	ND		ug/l	2.0	0.56	1
Fluorene	ND		ug/l	2.0	0.49	1
Phenanthrene	ND		ug/l	2.0	0.49	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.48	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
Pentachlorophenol	ND		ug/l	10	1.2	1
Phenol	ND		ug/l	5.0	0.26	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	46		15-120
2,4,6-Tribromophenol	45		10-120
4-Terphenyl-d14	48		41-149

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305474
Report Date: 04/16/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/03/13 08:41
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 04/02/13 14:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG598994-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	50	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	50	17.
Benzo(k)fluoranthene	ND		ug/kg	50	16.
Chrysene	ND		ug/kg	50	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	50	16.
Dibenzo(a,h)anthracene	ND		ug/kg	50	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		25-120
Phenol-d6	31		10-120
Nitrobenzene-d5	29		23-120
2-Fluorobiphenyl	33		30-120
2,4,6-Tribromophenol	36		0-136
4-Terphenyl-d14	36		18-120

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305474
Report Date: 04/16/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/04/13 16:51
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 04/03/13 08:05

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG599141-1					
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Dimethyl phthalate	ND		ug/l	5.0	0.45
Benzo(a)anthracene	ND		ug/l	2.0	0.82
Benzo(a)pyrene	ND		ug/l	2.0	0.48
Benzo(b)fluoranthene	ND		ug/l	2.0	0.48
Benzo(k)fluoranthene	ND		ug/l	2.0	0.48
Chrysene	ND		ug/l	2.0	0.56
Fluorene	ND		ug/l	2.0	0.49
Phenanthrene	ND		ug/l	2.0	0.49
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.48
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48
2-Chlorophenol	ND		ug/l	2.0	0.34
Pentachlorophenol	ND		ug/l	10	1.2
Phenol	ND		ug/l	5.0	0.26
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47
Tentatively Identified Compounds					
Unknown	4.2	J	ug/l		

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305474
Report Date: 04/16/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/04/13 16:51
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 04/03/13 08:05

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG599141-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	58		15-120
2,4,6-Tribromophenol	60		10-120
4-Terphenyl-d14	71		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305474
Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG598994-2 WG598994-3								
Bis(2-Ethylhexyl)phthalate	48		46		40-140	4		50
Dimethyl phthalate	48		45		40-140	6		50
Benzo(a)anthracene	50		47		40-140	6		50
Benzo(a)pyrene	51		49		40-140	4		50
Benzo(b)fluoranthene	53		50		40-140	6		50
Benzo(k)fluoranthene	51		48		40-140	6		50
Chrysene	50		48		40-140	4		50
Fluorene	46		44		40-140	4		50
Phenanthrene	48		48		40-140	0		50
Dibenzo(a,h)anthracene	51		49		40-140	4		50
Indeno(1,2,3-cd)Pyrene	49		47		40-140	4		50
2-Chlorophenol	38		37		25-102	3		50
Pentachlorophenol	52		47		17-109	10		50
Phenol	30		29		26-90	3		50
3-Methylphenol/4-Methylphenol	36		36		30-130	0		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305474
Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG598994-2 WG598994-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	38		38		25-120
Phenol-d6	36		35		10-120
Nitrobenzene-d5	32		31		23-120
2-Fluorobiphenyl	41		38		30-120
2,4,6-Tribromophenol	58		55		0-136
4-Terphenyl-d14	54		52		18-120

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG599141-2 WG599141-3								
Acenaphthene	51		57		37-111	11		30
1,2,4-Trichlorobenzene	43		48		39-98	11		30
Hexachlorobenzene	54		60		40-140	11		30
Bis(2-chloroethyl)ether	51		56		40-140	9		30
2-Chloronaphthalene	48		56		40-140	15		30
1,2-Dichlorobenzene	46		50		40-140	8		30
1,3-Dichlorobenzene	44		48		40-140	9		30
1,4-Dichlorobenzene	43		48		36-97	11		30
3,3'-Dichlorobenzidine	47		40		40-140	16		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305474

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG599141-2 WG599141-3								
2,4-Dinitrotoluene	60		65		24-96	8		30
2,6-Dinitrotoluene	54		63		40-140	15		30
Fluoranthene	61		67		40-140	9		30
4-Chlorophenyl phenyl ether	52		57		40-140	9		30
4-Bromophenyl phenyl ether	52		57		40-140	9		30
Bis(2-chloroisopropyl)ether	57		64		40-140	12		30
Bis(2-chloroethoxy)methane	57		61		40-140	7		30
Hexachlorobutadiene	42		46		40-140	9		30
Hexachlorocyclopentadiene	**19**	Q	**21**	Q	40-140	10		30
Hexachloroethane	48		51		40-140	6		30
Isophorone	53		60		40-140	12		30
Naphthalene	47		52		40-140	10		30
Nitrobenzene	51		57		40-140	11		30
NitrosoDiPhenylAmine(NDPA)/DPA	55		60		40-140	9		30
n-Nitrosodi-n-propylamine	57		62		29-132	8		30
Bis(2-Ethylhexyl)phthalate	70		80		40-140	13		30
Butyl benzyl phthalate	67		73		40-140	9		30
Di-n-butylphthalate	66		74		40-140	11		30
Di-n-octylphthalate	73		82		40-140	12		30
Diethyl phthalate	62		69		40-140	11		30
Dimethyl phthalate	56		64		40-140	13		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305474

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG599141-2 WG599141-3								
Benzo(a)anthracene	60		68		40-140	13		30
Benzo(a)pyrene	61		67		40-140	9		30
Benzo(b)fluoranthene	59		64		40-140	8		30
Benzo(k)fluoranthene	64		73		40-140	13		30
Chrysene	63		70		40-140	11		30
Acenaphthylene	48		56		45-123	15		30
Anthracene	60		68		40-140	13		30
Benzo(ghi)perylene	58		61		40-140	5		30
Fluorene	54		61		40-140	12		30
Phenanthrene	60		66		40-140	10		30
Dibenzo(a,h)anthracene	60		64		40-140	6		30
Indeno(1,2,3-cd)Pyrene	54		58		40-140	7		30
Pyrene	60		66		26-127	10		30
Biphenyl	51		59			15		30
4-Chloroaniline	40		42		40-140	5		30
2-Nitroaniline	57		66		52-143	15		30
3-Nitroaniline	31		27		25-145	14		30
4-Nitroaniline	56		65		51-143	15		30
Dibenzofuran	52		58		40-140	11		30
2-Methylnaphthalene	43		48		40-140	11		30
1,2,4,5-Tetrachlorobenzene	51		56		2-134	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305474

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG599141-2 WG599141-3								
Acetophenone	58		64		39-129	10		30
2,4,6-Trichlorophenol	51		58		30-130	13		30
P-Chloro-M-Cresol	57		65		23-97	13		30
2-Chlorophenol	54		59		27-123	9		30
2,4-Dichlorophenol	53		60		30-130	12		30
2,4-Dimethylphenol	48		56		30-130	15		30
2-Nitrophenol	52		58		30-130	11		30
4-Nitrophenol	34		29		10-80	16		30
2,4-Dinitrophenol	48		56		20-130	15		30
4,6-Dinitro-o-cresol	53		60		20-164	12		30
Pentachlorophenol	53		60		9-103	12		30
Phenol	28		32		12-110	13		30
2-Methylphenol	51		56		30-130	9		30
3-Methylphenol/4-Methylphenol	49		52		30-130	6		30
2,4,5-Trichlorophenol	56		61		30-130	9		30
Benzoic Acid	31		36			15		30
Benzyl Alcohol	50		56			11		30
Carbazole	61		68		55-144	11		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305474

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG599141-2 WG599141-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	42		45		21-120
Phenol-d6	28		30		10-120
Nitrobenzene-d5	57		59		23-120
2-Fluorobiphenyl	45		51		15-120
2,4,6-Tribromophenol	57		64		10-120
4-Terphenyl-d14	57		62		41-149

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305474
Project Number: Not Specified
Report Date: 04/16/13

SAMPLE RESULTS

Lab ID: L1305474-01
Client ID: E023015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 76%

Date Collected: 04/01/13 12:10
Date Received: 04/01/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	9.3		mg/kg	0.50	0.10	1	04/04/13 12:19	04/04/13 18:06	EPA 3050B	1,6010C	BM

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305474
Project Number: Not Specified
Report Date: 04/16/13

SAMPLE RESULTS

Lab ID: L1305474-02
Client ID: E022015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 88%

Date Collected: 04/01/13 12:30
Date Received: 04/01/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	7.0		mg/kg	0.43	0.09	1	04/04/13 12:19	04/04/13 18:09	EPA 3050B	1,6010C	BM

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305474
Project Number: Not Specified
Report Date: 04/16/13

SAMPLE RESULTS

Lab ID: L1305474-04
Client ID: FB130401
Sample Location: GLENS FALLS NEW YORK
Matrix: Water

Date Collected: 04/01/13 14:45
Date Received: 04/01/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	ND		mg/l	0.00050	0.0002	1	04/03/13 10:07	04/03/13 14:03	EPA 3005A	1,6020A	AK
Barium, Total	ND		mg/l	0.00050	0.0001	1	04/03/13 10:07	04/03/13 14:03	EPA 3005A	1,6020A	AK
Beryllium, Total	ND		mg/l	0.00050	0.0001	1	04/03/13 10:07	04/03/13 14:03	EPA 3005A	1,6020A	AK
Cadmium, Total	ND		mg/l	0.00050	0.0001	1	04/03/13 10:07	04/03/13 14:03	EPA 3005A	1,6020A	AK
Chromium, Total	0.00040	J	mg/l	0.00100	0.0002	1	04/03/13 10:07	04/03/13 14:03	EPA 3005A	1,6020A	AK
Copper, Total	ND		mg/l	0.00100	0.0001	1	04/03/13 10:07	04/03/13 14:03	EPA 3005A	1,6020A	AK
Lead, Total	ND		mg/l	0.00100	0.0002	1	04/03/13 10:07	04/03/13 14:03	EPA 3005A	1,6020A	AK
Mercury, Total	ND		mg/l	0.00020	0.0001	1	04/03/13 17:28	04/04/13 16:26	EPA 7470A	1,7470A	KL
Nickel, Total	ND		mg/l	0.00050	0.0001	1	04/03/13 10:07	04/03/13 14:03	EPA 3005A	1,6020A	AK
Selenium, Total	ND		mg/l	0.00500	0.0003	1	04/03/13 10:07	04/05/13 16:46	EPA 3005A	1,6020A	AK
Silver, Total	ND		mg/l	0.00050	0.0001	1	04/03/13 10:07	04/03/13 14:03	EPA 3005A	1,6020A	AK
Zinc, Total	ND		mg/l	0.01000	0.0012	1	04/03/13 10:07	04/03/13 14:03	EPA 3005A	1,6020A	AK

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305474

Project Number: Not Specified **Report Date:** 04/16/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 04 Batch: WG599173-1										
Arsenic, Total	ND		mg/l	0.00050	0.0002	1	04/03/13 10:07	04/03/13 13:36	1,6020A	AK
Barium, Total	ND		mg/l	0.00050	0.0001	1	04/03/13 10:07	04/03/13 13:36	1,6020A	AK
Beryllium, Total	ND		mg/l	0.00050	0.0001	1	04/03/13 10:07	04/03/13 13:36	1,6020A	AK
Cadmium, Total	ND		mg/l	0.00050	0.0001	1	04/03/13 10:07	04/03/13 13:36	1,6020A	AK
Chromium, Total	0.00025	J	mg/l	0.00100	0.0002	1	04/03/13 10:07	04/03/13 13:36	1,6020A	AK
Copper, Total	ND		mg/l	0.00100	0.0001	1	04/03/13 10:07	04/03/13 13:36	1,6020A	AK
Lead, Total	ND		mg/l	0.00100	0.0002	1	04/03/13 10:07	04/03/13 13:36	1,6020A	AK
Nickel, Total	ND		mg/l	0.00050	0.0001	1	04/03/13 10:07	04/03/13 13:36	1,6020A	AK
Selenium, Total	ND		mg/l	0.00500	0.0003	1	04/03/13 10:07	04/05/13 16:19	1,6020A	AK
Silver, Total	ND		mg/l	0.00050	0.0001	1	04/03/13 10:07	04/03/13 13:36	1,6020A	AK
Zinc, Total	ND		mg/l	0.01000	0.0012	1	04/03/13 10:07	04/03/13 13:36	1,6020A	AK

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 04 Batch: WG599320-1										
Mercury, Total	ND		mg/l	0.00020	0.0001	1	04/03/13 17:28	04/04/13 16:18	1,7470A	KL

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG599508-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Barium, Total	ND		mg/kg	0.40	0.12	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Copper, Total	ND		mg/kg	0.40	0.20	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305474

Project Number: Not Specified **Report Date:** 04/16/13

Method Blank Analysis
Batch Quality Control

Lead, Total	ND		mg/kg	2.0	0.12	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Selenium, Total	0.14	J	mg/kg	0.80	0.12	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Silver, Total	ND		mg/kg	0.40	0.08	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Zinc, Total	ND		mg/kg	2.0	0.20	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG599779-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/07/13 12:46	04/08/13 09:42	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305474

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04 Batch: WG599173-2								
Arsenic, Total	107		-		80-120	-		
Barium, Total	92		-		80-120	-		
Beryllium, Total	98		-		80-120	-		
Cadmium, Total	104		-		80-120	-		
Chromium, Total	95		-		80-120	-		
Copper, Total	103		-		80-120	-		
Lead, Total	99		-		80-120	-		
Nickel, Total	101		-		80-120	-		
Selenium, Total	119		-		80-120	-		
Silver, Total	97		-		80-120	-		
Zinc, Total	107		-		80-120	-		
Total Metals - Westborough Lab Associated sample(s): 04 Batch: WG599320-2								
Mercury, Total	96		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305474

Report Date: 04/16/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG599508-2 SRM Lot Number: 0518-10-02					
Arsenic, Total	100	-	81-119	-	
Barium, Total	88	-	83-118	-	
Beryllium, Total	92	-	83-117	-	
Cadmium, Total	89	-	82-117	-	
Chromium, Total	92	-	80-119	-	
Copper, Total	101	-	83-117	-	
Lead, Total	95	-	80-120	-	
Nickel, Total	94	-	82-117	-	
Selenium, Total	106	-	80-120	-	
Silver, Total	100	-	66-134	-	
Zinc, Total	103	-	82-119	-	
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG599779-2 SRM Lot Number: 0518-10-02					
Mercury, Total	124	-	67-133	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305474
Report Date: 04/16/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04 QC Batch ID: WG599173-4 QC Sample: L1305609-01 Client ID: MS Sample												
Arsenic, Total	ND	0.12	0.1305	109		-	-		80-120	-		20
Barium, Total	ND	2	1.848	92		-	-		80-120	-		20
Beryllium, Total	ND	0.05	0.05040	101		-	-		80-120	-		20
Cadmium, Total	ND	0.051	0.5266	103		-	-		80-120	-		20
Chromium, Total	0.00095J	0.2	0.1874	94		-	-		80-120	-		20
Copper, Total	ND	0.25	0.2533	101		-	-		80-120	-		20
Lead, Total	ND	0.51	0.5009	98		-	-		80-120	-		20
Nickel, Total	ND	0.5	0.4945	99		-	-		80-120	-		20
Selenium, Total	ND	0.12	0.136	113		-	-		80-120	-		20
Silver, Total	ND	0.05	0.04802	96		-	-		80-120	-		20
Zinc, Total	ND	0.5	0.5247	105		-	-		80-120	-		20
Total Metals - Westborough Lab Associated sample(s): 04 QC Batch ID: WG599320-4 QC Sample: L1305474-04 Client ID: FB130401												
Mercury, Total	ND	0.001	0.00118	118		-	-		70-130	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305474
Report Date: 04/16/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599508-4 QC Sample: L1305464-01 Client ID: MS Sample									
Arsenic, Total	1.0	11.9	13	101	-	-	75-125	-	35
Barium, Total	32.	198	220	95	-	-	75-125	-	35
Beryllium, Total	0.45	4.95	5.0	92	-	-	75-125	-	35
Cadmium, Total	0.23J	5.05	44	87	-	-	75-125	-	35
Chromium, Total	7.9	19.8	26	91	-	-	75-125	-	35
Copper, Total	3.1	24.7	28	101	-	-	75-125	-	35
Lead, Total	2.2J	50.5	51	101	-	-	75-125	-	35
Nickel, Total	8.5	49.5	53	90	-	-	75-125	-	35
Selenium, Total	0.31J	11.9	12	101	-	-	75-125	-	35
Silver, Total	ND	29.7	31	104	-	-	75-125	-	35
Zinc, Total	35.	49.5	77	85	-	-	75-125	-	35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599779-4 QC Sample: - Client ID: -									
Mercury, Total	ND	0.188	0.21	112	-	-	70-130	-	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305474
Report Date: 04/16/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04 QC Batch ID: WG599173-3 QC Sample: L1305609-01 Client ID: DUP Sample						
Arsenic, Total	ND	ND	mg/l	NC		20
Barium, Total	ND	ND	mg/l	NC		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Chromium, Total	0.00095J	0.00027J	mg/l	NC		20
Copper, Total	ND	ND	mg/l	NC		20
Lead, Total	ND	ND	mg/l	NC		20
Nickel, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Zinc, Total	ND	ND	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 04 QC Batch ID: WG599173-3 QC Sample: L1305609-01 Client ID: DUP Sample						
Selenium, Total	ND	ND	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 04 QC Batch ID: WG599320-3 QC Sample: L1305474-04 Client ID: FB130401						
Mercury, Total	ND	ND	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599508-3 QC Sample: L1305464-01 Client ID: DUP Sample						
Chromium, Total	7.9	7.7	mg/kg	3		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305474
Report Date: 04/16/13

SAMPLE RESULTS

Lab ID: L1305474-01
Client ID: E023015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/01/13 12:10
Date Received: 04/01/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.3		%	0.100	NA	1	-	04/02/13 19:22	30,2540G	RD

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305474
Report Date: 04/16/13

SAMPLE RESULTS

Lab ID: L1305474-02
Client ID: E022015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/01/13 12:30
Date Received: 04/01/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.9		%	0.100	NA	1	-	04/02/13 19:22	30,2540G	RD

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305474
Report Date: 04/16/13

SAMPLE RESULTS

Lab ID: L1305474-03
Client ID: DUP01
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/01/13 00:00
Date Received: 04/01/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	72.3		%	0.100	NA	1	-	04/02/13 19:22	30,2540G	RD

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305474
Report Date: 04/16/13

SAMPLE RESULTS

Lab ID: L1305474-04
Client ID: FB130401
Sample Location: GLENS FALLS NEW YORK
Matrix: Water

Date Collected: 04/01/13 14:45
Date Received: 04/01/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.001	J	mg/l	0.005	0.001	1	04/04/13 10:15	04/04/13 15:03	1,9010C/9012A	JO

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305474

Project Number: Not Specified **Report Date:** 04/16/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 04 Batch: WG599545-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/04/13 10:15	04/04/13 14:49	1,9010C/9012A	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305474

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 04 Batch: WG599545-4 WG599545-5								
Cyanide, Total	99		107		80-120	8		20

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305474
Report Date: 04/16/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 04 QC Batch ID: WG599545-3 WG599545-2 QC Sample: L1305728-03 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.198	99		0.209	104		80-120	5		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305474
Report Date: 04/16/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG599072-1 QC Sample: L1305460-01 Client ID: DUP Sample						
Solids, Total	95.6	96.0	%	0		20

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305474
Report Date: 04/16/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 04/02/2013 00:12

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305474-01A	Vial MeOH preserved	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(14)
L1305474-01B	Vial water preserved	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(14)
L1305474-01C	Vial water preserved	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(14)
L1305474-01D	Plastic 2oz unpreserved for TS	A	N/A	2.3	Y	Absent	TS(7)
L1305474-01E	Amber 120ml unpreserved	A	N/A	2.3	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305474-01F	Amber 250ml unpreserved	A	N/A	2.3	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305474-02A	Vial MeOH preserved	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(14)
L1305474-02B	Vial water preserved	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(14)
L1305474-02C	Vial water preserved	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(14)
L1305474-02D	Plastic 2oz unpreserved for TS	A	N/A	2.3	Y	Absent	TS(7)
L1305474-02E	Amber 120ml unpreserved	A	N/A	2.3	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305474
Report Date: 04/16/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305474-02F	Amber 250ml unpreserved	A	N/A	2.3	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305474-03A	Vial MeOH preserved	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(14)
L1305474-03B	Vial water preserved	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(14)
L1305474-03C	Vial water preserved	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(14)
L1305474-03D	Plastic 2oz unpreserved for TS	A	N/A	2.3	Y	Absent	TS(7)
L1305474-04A	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1305474-04B	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1305474-04C	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1305474-04D	Amber 1000ml unpreserved	A	7	2.3	Y	Absent	NYTCL-8270(7)
L1305474-04E	Amber 1000ml unpreserved	A	7	2.3	Y	Absent	NYTCL-8270(7)
L1305474-04F	Amber 1000ml unpreserved	A	7	2.3	Y	Absent	NYTCL-8260(7)
L1305474-04G	Amber 1000ml unpreserved	A	7	2.3	Y	Absent	NYTCL-8260(7)
L1305474-04I	Plastic 250ml NaOH preserved	A	>12	2.3	Y	Absent	TCN-9010(14)
L1305474-04J	Plastic 500ml HNO3 preserved	A	<2	2.3	Y	Absent	BA-6020T(180),SE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),AS-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28)
L1305474-05A	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1305474-05B	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305474
Project Number:	Not Specified	**Report Date:**	04/16/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305474
Project Number:	Not Specified	**Report Date:**	04/16/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL — World Class Chemistry

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab: 4/1/13

ALPHA Job #: L1305474

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/8/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Detection limits to meet NYSDEC Part 375 Requirements (Unrestricted)
Find %Moisture of each aliquot and calculate average for use as %Moisture of associated composite sample

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs-See attached list	Hexavalent Chromium-Hold	Cyanide-Hold	Metals-See attached list-Hold	PCBs-Hold	SVOCs-See attached list-Hold							Sample Specific Comments	TOTAL # BOTTLES
05474-1	E023015	4/1	1210	S	BK	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		
2	E022015	4/1	1230	S	BK	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		
3	DUP01	4/1	—	S	BK	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		
4	FB130401	4/1	1445	Aq	BK	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		
5	TB130401	4/1	—	Aq	BK	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
					Container Type	-	-	-	-	-	-	-	-	-	-	-	-		
					Preservative	-	-	-	-	-	-	-	-	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/1 1500	[signature]	4/1/13 1600
[signature]	4/1/13 2100	Kyle Cunningham	4/1/13 2100
Kyle Cunningham	4/1/13 2340	[signature]	4/1/13 2340

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ)
(rev. 5-JAN-12)

BASF Corporation
Glens Falls, New York

Supplemental Chain of Custody

Fraction	Parameter	CAS	UNRESTRCT	RES	REST_RES	COMM	IND	ECO_PROT	GW_PROT	Alpha-RL	Alpha-MDL
Inorganic-Cyanide	Cyanide, total	57-12-5	27.000000	27.000000	27.000000	27.000000	10000.000000	999999.999000	40.000000	1.000000	0.234000
Metal	Arsenic	7440-38-2	13.000000	16.000000	16.000000	16.000000	16.000000	13.000000	16.000000	0.400000	0.136900
Metal	Barium	7440-39-3	350.000000	350.000000	400.000000	400.000000	10000.000000	433.000000	820.000000	0.400000	0.109000
Metal	Beryllium	7440-41-7	7.200000	14.000000	72.000000	590.000000	2700.000000	10.000000	47.000000	0.200000	0.014000
Metal	Cadmium	7440-43-9	2.500000	2.500000	4.300000	9.300000	60.000000	4.000000	7.500000	0.400000	0.025000
Metal	Copper	7440-50-8	50.000000	270.000000	270.000000	270.000000	10000.000000	50.000000	1720.000000	0.400000	0.185000
Metal	Lead	7439-92-1	63.000000	400.000000	400.000000	1000.000000	3900.000000	63.000000	450.000000	2.000000	0.112000
Metal	Nickel	7440-02-0	30.000000	140.000000	310.000000	310.000000	10000.000000	30.000000	130.000000	1.000000	0.157800
Metal	Selenium	7782-49-2	3.900000	36.000000	180.000000	1500.000000	6800.000000	3.900000	4.000000	0.800000	0.131000
Metal	Silver	7440-22-4	2.000000	36.000000	180.000000	1500.000000	6800.000000	2.000000	8.300000	0.400000	0.080000
Metal	Zinc	7440-66-6	109.000000	2200.000000	10000.000000	10000.000000	10000.000000	109.000000	2480.000000	2.000000	0.216000
Metal	Chromium	7440-47-3	1.000000	22.000000	110.000000	400.000000	800.000000	1.000000	19.000000	0.400000	0.018000
Metal	Chromium, Hexavalent	18540-29-9	1.000000	22.000000	110.000000	400.000000	800.000000	1.000000	19.000000	0.800000	0.160000
Metal	Mercury	7439-97-6	0.180000	0.810000	0.810000	2.800000	5.700000	0.180000	0.730000	0.080000	0.017000
PCBs	PCBs (Total)	1336-36-3	0.100000	1.000000	1.000000	1.000000	25.000000	1.000000	3.200000	0.033300	0.010045
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	0.167000	0.039000
SVOC	Dimethyl phthalate	131-11-3	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	0.167000	0.026000
SVOC-PAH	Benzo(a)anthracene	56-55-3	1.000000	1.000000	1.000000	5.600000	11.000000	999999.999000	1.000000	0.100000	0.030000
SVOC-PAH	Benzo(a)pyrene	50-32-8	1.000000	1.000000	1.000000	1.000000	1.100000	2.600000	22.000000	0.133000	0.026000
SVOC-PAH	Benzo(b) fluoranthene	205-99-2	1.000000	1.000000	1.000000	5.600000	11.000000	999999.999000	1.700000	0.100000	0.029000
SVOC-PAH	Benzo(k) fluoranthene	207-08-9	0.800000	1.000000	3.900000	56.000000	110.000000	999999.999000	1.700000	0.100000	0.031000
SVOC-PAH	Chrysene	218-01-9	1.000000	1.000000	3.900000	56.000000	110.000000	999999.999000	1.000000	0.100000	0.032000
SVOC-PAH	Dibenzo(ah) anthracene	53-70-3	0.330000	0.330000	0.330000	0.560000	1.100000	999999.999000	1000.000000	0.100000	0.031000
SVOC-PAH	Fluorene	86-73-7	30.000000	100.000000	100.000000	500.000000	1000.000000	30.000000	386.000000	0.167000	0.032000
SVOC-PAH	Indeno(1,2,3-cd)pyrene	193-39-5	0.500000	0.500000	0.500000	5.600000	11.000000	999999.999000	8.200000	0.133000	0.037000
SVOC-PAH	Phenanthrene	85-01-8	100.000000	100.000000	100.000000	500.000000	1000.000000	999999.999000	1000.000000	0.100000	0.027000
SVOC-Phenol	2-Chlorophenol	95-57-81	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	0.167000	0.037000
SVOC-Phenol	4-Methylphenol	106-44-5	0.330000	34.000000	100.000000	500.000000	1000.000000	999999.999000	0.330000	0.233000	0.042000
SVOC-Phenol	Pentachlorophenol	87-86-5	0.800000	2.400000	6.700000	6.700000	55.000000	0.800000	0.800000	0.133000	0.035000
SVOC-Phenol	Phenol	108-95-2	0.330000	100.000000	100.000000	500.000000	1000.000000	30.000000	0.330000	0.167000	0.040000
VOC	1,2-Dichlorobenzene	95-50-1	1.100000	100.000000	100.000000	500.000000	1000.000000	999999.999000	1.100000	0.004000	0.001830
VOC	1,2-Dichloroethane	107-06-2	0.020000	2.300000	3.100000	30.000000	60.000000	10.000000	0.020000	0.001000	0.000146
VOC	1,3-Dichlorobenzene	541-73-1	2.400000	17.000000	49.000000	280.000000	560.000000	999999.999000	2.400000	0.004000	0.000183
VOC	1,4-Dichlorobenzene	106-46-7	1.800000	9.800000	13.000000	130.000000	250.000000	20.000000	1.800000	0.004000	0.000242
VOC	Benzene	71-43-2	0.060000	2.900000	4.800000	44.000000	89.000000	70.000000	0.060000	0.001000	0.000118
VOC	Carbon Tetrachloride	56-23-5	0.760000	1.400000	2.400000	22.000000	44.000000	999999.999000	0.760000	0.001000	0.000210
VOC	Chlorobenzene	108-90-7	1.100000	100.000000	100.000000	500.000000	1000.000000	40.000000	1.100000	0.001000	0.000348
VOC	Chloroform	67466-3	0.370000	10.000000	49.000000	350.000000	700.000000	12.000000	0.370000	0.001500	0.000348
VOC	Chloromethane	74-87-3	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	0.004000	0.000168
VOC	cis-1,2-Dichloroethene	156-59-2	0.250000	59.000000	100.000000	500.000000	1000.000000	999999.999000	0.250000	0.001000	0.000149
VOC	Ethylbenzene	100-41-4	1.000000	30.000000	41.000000	390.000000	780.000000	999999.999000	1.000000	0.001000	0.000147
VOC	Toluene	108-88-3	0.700000	100.000000	100.000000	500.000000	1000.000000	36.000000	0.700000	0.001500	0.000112
VOC	trans-1,2-Dichloroethene	156-60-5	0.190000	100.000000	100.000000	500.000000	1000.000000	999999.999000	0.190000	0.001500	0.000212
VOC	Trichloroethene	79-01-6	0.470000	10.000000	21.000000	200.000000	400.000000	2.000000	0.470000	0.001000	0.000152
VOC	Vinyl chloride	75-01-4	0.020000	0.210000	0.900000	13.000000	27.000000	999999.999000	0.020000	0.002000	0.000820

ANALYTICAL REPORT

Lab Number:	L1305472
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/09/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305472
Report Date: 04/09/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305472-01	E016E015	GLENS FALLS NEW YORK	04/01/13 14:00

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305472
Project Number: Not Specified **Report Date:** 04/09/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305472
Project Number:	Not Specified	**Report Date:**	04/09/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

At the client's request, the sample was not analyzed for PCBs.

Solids, Total

L1305472-01: The average results from the original samples is reported; the Duplicate was performed with original batch.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 04/09/13

ORGANICS

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305472

Project Number: Not Specified **Report Date:** 04/09/13

SAMPLE RESULTS

Lab ID:	L1305472-01	Date Collected:	04/01/13 14:00
Client ID:	E016E015	Date Received:	04/01/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/02/13 14:15
Analytical Date:	04/03/13 10:54		
Analyst:	RC		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	54.	1
Dimethyl phthalate	ND		ug/kg	210	52.	1
Benzo(a)anthracene	ND		ug/kg	120	40.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	42.	1
Benzo(k)fluoranthene	ND		ug/kg	120	39.	1
Chrysene	ND		ug/kg	120	40.	1
Fluorene	ND		ug/kg	210	59.	1
Phenanthrene	ND		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	40.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	46.	1
2-Chlorophenol	ND		ug/kg	210	62.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	210	61.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	68.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	105		0-136
4-Terphenyl-d14	87		18-120

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305472
Report Date: 04/09/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/03/13 08:41
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 04/02/13 14:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG598994-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	50	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	50	17.
Benzo(k)fluoranthene	ND		ug/kg	50	16.
Chrysene	ND		ug/kg	50	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	50	16.
Dibenzo(a,h)anthracene	ND		ug/kg	50	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		25-120
Phenol-d6	31		10-120
Nitrobenzene-d5	29		23-120
2-Fluorobiphenyl	33		30-120
2,4,6-Tribromophenol	36		0-136
4-Terphenyl-d14	36		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305472

Report Date: 04/09/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG598994-2 WG598994-3								
Bis(2-Ethylhexyl)phthalate	48		46		40-140	4		50
Dimethyl phthalate	48		45		40-140	6		50
Benzo(a)anthracene	50		47		40-140	6		50
Benzo(a)pyrene	51		49		40-140	4		50
Benzo(b)fluoranthene	53		50		40-140	6		50
Benzo(k)fluoranthene	51		48		40-140	6		50
Chrysene	50		48		40-140	4		50
Fluorene	46		44		40-140	4		50
Phenanthrene	48		48		40-140	0		50
Dibenzo(a,h)anthracene	51		49		40-140	4		50
Indeno(1,2,3-cd)Pyrene	49		47		40-140	4		50
2-Chlorophenol	38		37		25-102	3		50
Pentachlorophenol	52		47		17-109	10		50
Phenol	30		29		26-90	3		50
3-Methylphenol/4-Methylphenol	36		36		30-130	0		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305472

Report Date: 04/09/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG598994-2 WG598994-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	38		38		25-120
Phenol-d6	36		35		10-120
Nitrobenzene-d5	32		31		23-120
2-Fluorobiphenyl	41		38		30-120
2,4,6-Tribromophenol	58		55		0-136
4-Terphenyl-d14	54		52		18-120

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305472
Project Number: Not Specified
Report Date: 04/09/13

SAMPLE RESULTS

Lab ID: L1305472-01
Client ID: E016E015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 79%

Date Collected: 04/01/13 14:00
Date Received: 04/01/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	1.8		mg/kg	0.49	0.15	2	04/04/13 12:19	04/08/13 17:21	EPA 3050B	1,6010C	MS
Barium, Total	38		mg/kg	0.49	0.15	2	04/04/13 12:19	04/08/13 17:21	EPA 3050B	1,6010C	MS
Beryllium, Total	0.34		mg/kg	0.24	0.02	2	04/04/13 12:19	04/08/13 17:21	EPA 3050B	1,6010C	MS
Cadmium, Total	0.55		mg/kg	0.49	0.03	2	04/04/13 12:19	04/08/13 17:21	EPA 3050B	1,6010C	MS
Chromium, Total	18		mg/kg	0.49	0.10	2	04/04/13 12:19	04/08/13 17:21	EPA 3050B	1,6010C	MS
Copper, Total	9.5		mg/kg	0.49	0.24	2	04/04/13 12:19	04/08/13 17:21	EPA 3050B	1,6010C	MS
Lead, Total	21		mg/kg	2.4	0.15	2	04/04/13 12:19	04/08/13 17:21	EPA 3050B	1,6010C	MS
Mercury, Total	0.07	J	mg/kg	0.09	0.02	2	04/07/13 12:46	04/08/13 11:27	EPA 7471B	1,7471B	MC
Nickel, Total	5.4		mg/kg	1.2	0.19	2	04/04/13 12:19	04/08/13 17:21	EPA 3050B	1,6010C	MS
Selenium, Total	0.59	J	mg/kg	0.97	0.15	2	04/04/13 12:19	04/08/13 17:21	EPA 3050B	1,6010C	MS
Silver, Total	ND		mg/kg	0.49	0.10	2	04/04/13 12:19	04/08/13 17:21	EPA 3050B	1,6010C	MS
Zinc, Total	36		mg/kg	2.4	0.24	2	04/04/13 12:19	04/08/13 17:21	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305472

Project Number: Not Specified **Report Date:** 04/09/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG599508-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Barium, Total	ND		mg/kg	0.40	0.12	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Copper, Total	ND		mg/kg	0.40	0.20	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Lead, Total	ND		mg/kg	2.0	0.12	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Selenium, Total	0.14	J	mg/kg	0.80	0.12	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Silver, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Zinc, Total	ND		mg/kg	2.0	0.20	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG599779-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/07/13 12:46	04/08/13 09:42	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305472

Report Date: 04/09/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG599508-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	88		-		83-118	-		
Beryllium, Total	92		-		83-117	-		
Cadmium, Total	89		-		82-117	-		
Chromium, Total	92		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	95		-		80-120	-		
Nickel, Total	94		-		82-117	-		
Selenium, Total	106		-		80-120	-		
Silver, Total	100		-		66-134	-		
Zinc, Total	103		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG599779-2 SRM Lot Number: 0518-10-02								
Mercury, Total	124		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305472
Report Date: 04/09/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599508-4 QC Sample: L1305464-01 Client ID: MS Sample												
Arsenic, Total	1.0	11.9	13	101		-	-		75-125	-		35
Barium, Total	32.	198	220	95		-	-		75-125	-		35
Beryllium, Total	0.45	4.95	5.0	92		-	-		75-125	-		35
Cadmium, Total	0.23J	5.05	44	87		-	-		75-125	-		35
Chromium, Total	7.9	19.8	26	91		-	-		75-125	-		35
Copper, Total	3.1	24.7	28	101		-	-		75-125	-		35
Lead, Total	2.2J	50.5	51	101		-	-		75-125	-		35
Nickel, Total	8.5	49.5	53	90		-	-		75-125	-		35
Selenium, Total	0.31J	11.9	12	101		-	-		75-125	-		35
Silver, Total	ND	29.7	31	104		-	-		75-125	-		35
Zinc, Total	35.	49.5	77	85		-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599779-4 QC Sample: L1305464-01 Client ID: MS Sample												
Mercury, Total	0.02J	0.188	0.21	112		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305472
Report Date: 04/09/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599508-3 QC Sample: L1305464-01 Client ID: DUP Sample						
Arsenic, Total	1.0	1.0	mg/kg	0		35
Barium, Total	32.	29	mg/kg	10		35
Beryllium, Total	0.45	0.34	mg/kg	28		35
Cadmium, Total	0.23J	0.16J	mg/kg	NC		35
Chromium, Total	7.9	7.7	mg/kg	3		35
Copper, Total	3.1	3.1	mg/kg	0		35
Lead, Total	2.2J	2.0J	mg/kg	NC		35
Nickel, Total	8.5	7.7	mg/kg	10		35
Selenium, Total	0.31J	ND	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Zinc, Total	35.	28	mg/kg	22		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599779-3 QC Sample: L1305464-01 Client ID: DUP Sample						
Mercury, Total	0.02J	ND	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305472
Report Date: 04/09/13

SAMPLE RESULTS

Lab ID: L1305472-01
Client ID: E016E015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/01/13 14:00
Date Received: 04/01/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.3		%	0.100	NA	1	-	04/02/13 19:22	30,2540G	RD
Cyanide, Total	ND		mg/kg	1.2	0.28	2	04/03/13 10:08	04/04/13 15:29	1,9010C/9012A	JO

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305472

Project Number: Not Specified **Report Date:** 04/09/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG599325-1										
Cyanide, Total	ND		mg/kg	0.94	0.22	1	04/03/13 10:08	04/04/13 15:16	1,9010C/9012A	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305472

Report Date: 04/09/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG599325-4 WG599325-5								
Cyanide, Total	111		113		80-120	2		35

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305472
Report Date: 04/09/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599325-3 WG599325-2 QC Sample: L1305611-20 Client ID: MS Sample												
Cyanide, Total	ND	10	11	100		12	110		65-135	9		35

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305472
Project Number:	Not Specified	**Report Date:**	04/09/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305472
Project Number:	Not Specified	**Report Date:**	04/09/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305472
Project Number:	Not Specified	**Report Date:**	04/09/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
World Class Chemistry

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab: 4/1/13

ALPHA Job #: L1305472

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/8/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Extract/Digest Sample E016E015 and Sample E015015.
Composite and analyze Extract/Digestate as Sample indicated below.
Detection limits to meet NYSDEC Part 375 Requirements (0.5 x Unrestricted)
Use average of associated aliquot %Moisture for result calculations

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cyanide	Metals-See attached list (no Cr6+)	PCBs	SVOCs-See atached list	Sample Specific Comments	TOTAL # BOTTLES
05472-01	E016E015	4/1	1400	S	[initials]	☒	☒	☒	☒		
						☐	☐	☐	☐		
						☐	☐	☐	☐		
						☐	☐	☐	☐		
						☐	☐	☐	☐		
						☐	☐	☐	☐		
						☐	☐	☐	☐		
						☐	☐	☐	☐		
						☐	☐	☐	☐		
						☐	☐	☐	☐		
Container Type						-	-	-	-		
Preservative						-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/1 1500	[signature]	4/1/13 1600
Robert Hare	4/1/13 2100	Kyle Cunningham	4/1/13 2100
Kyle Cunningham	4/1/13 23:40	[signature]	4/1/13 23:40

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ)
(rev. 5-JAN-12)

BASF Corporation
Glens Falls, New York

Supplemental Chain of Custody

Fraction	Parameter	CAS	UNRESTRCT	RES	REST_RES	COMM	IND	ECO_PROT	GW_PROT	Alpha-RL	Alpha-MDL
Inorganic-Cyanide	Cyanide, total	57-12-5	27.000000	27.000000	27.000000	27.000000	10000.000000	999999.999000	40.000000	1.000000	0.234000
Metal	Arsenic	7440-38-2	13.000000	16.000000	16.000000	16.000000	16.000000	13.000000	16.000000	0.400000	0.136900
Metal	Barium	7440-39-3	350.000000	350.000000	400.000000	400.000000	10000.000000	433.000000	820.000000	0.400000	0.109000
Metal	Beryllium	7440-41-7	7.200000	14.000000	72.000000	590.000000	2700.000000	10.000000	47.000000	0.200000	0.014000
Metal	Cadmium	7440-43-9	2.500000	2.500000	4.300000	9.300000	60.000000	4.000000	7.500000	0.400000	0.025000
Metal	Copper	7440-50-8	50.000000	270.000000	270.000000	270.000000	10000.000000	50.000000	1720.000000	0.400000	0.185000
Metal	Lead	7439-92-1	63.000000	400.000000	400.000000	1000.000000	3900.000000	63.000000	450.000000	2.000000	0.112000
Metal	Nickel	7440-02-0	30.000000	140.000000	310.000000	310.000000	10000.000000	30.000000	130.000000	1.000000	0.157800
Metal	Selenium	7782-49-2	3.900000	36.000000	180.000000	1500.000000	6800.000000	3.900000	4.000000	0.800000	0.131000
Metal	Silver	7440-22-4	2.000000	36.000000	180.000000	1500.000000	6800.000000	2.000000	8.300000	0.400000	0.080000
Metal	Zinc	7440-66-6	109.000000	2200.000000	10000.000000	10000.000000	10000.000000	109.000000	2480.000000	2.000000	0.216000
Metal	Chromium	7440-47-3	1.000000	22.000000	110.000000	400.000000	800.000000	1.000000	19.000000	0.400000	0.018000
Metal	Chromium, Hexavalent	18540-29-9	1.000000	22.000000	110.000000	400.000000	800.000000	1.000000	19.000000	0.800000	0.160000
Metal	Mercury	7439-97-6	0.180000	0.810000	0.810000	2.800000	5.700000	0.180000	0.730000	0.080000	0.017000
PCBs	PCBs (Total)	1336-36-3	0.100000	1.000000	1.000000	1.000000	25.000000	1.000000	3.200000	0.033300	0.010045
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	0.167000	0.039000
SVOC	Dimethyl phthalate	131-11-3	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	0.167000	0.026000
SVOC-PAH	Benzo(a)anthracene	56-55-3	1.000000	1.000000	1.000000	5.600000	11.000000	999999.999000	1.000000	0.100000	0.030000
SVOC-PAH	Benzo(a)pyrene	50-32-8	1.000000	1.000000	1.000000	1.000000	1.100000	2.600000	22.000000	0.133000	0.026000
SVOC-PAH	Benzo(b) fluoranthene	205-99-2	1.000000	1.000000	1.000000	5.600000	11.000000	999999.999000	1.700000	0.100000	0.029000
SVOC-PAH	Benzo(k) fluoranthene	207-08-9	0.800000	1.000000	3.900000	56.000000	110.000000	999999.999000	1.700000	0.100000	0.031000
SVOC-PAH	Chrysene	218-01-9	1.000000	1.000000	3.900000	56.000000	110.000000	999999.999000	1.000000	0.100000	0.032000
SVOC-PAH	Dibenzo(ah) anthracene	53-70-3	0.330000	0.330000	0.330000	0.560000	1.100000	999999.999000	1000.000000	0.100000	0.031000
SVOC-PAH	Fluorene	86-73-7	30.000000	100.000000	100.000000	500.000000	1000.000000	30.000000	386.000000	0.167000	0.032000
SVOC-PAH	Indeno(1,2,3-cd)pyrene	193-39-5	0.500000	0.500000	0.500000	5.600000	11.000000	999999.999000	8.200000	0.133000	0.037000
SVOC-PAH	Phenanthrene	85-01-8	100.000000	100.000000	100.000000	500.000000	1000.000000	999999.999000	1000.000000	0.100000	0.027000
SVOC-Phenol	2-Chlorophenol	95-57-81	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	0.167000	0.037000
SVOC-Phenol	4-Methylphenol	106-44-5	0.330000	34.000000	100.000000	500.000000	1000.000000	999999.999000	0.330000	0.233000	0.042000
SVOC-Phenol	Pentachlorophenol	87-86-5	0.800000	2.400000	6.700000	6.700000	55.000000	0.800000	0.800000	0.133000	0.035000
SVOC-Phenol	Phenol	108-95-2	0.330000	100.000000	100.000000	500.000000	1000.000000	30.000000	0.330000	0.167000	0.040000
VOC	1,2-Dichlorobenzene	95-50-1	1.100000	100.000000	100.000000	500.000000	1000.000000	999999.999000	1.100000	0.004000	0.001830
VOC	1,2-Dichloroethane	107-06-2	0.020000	2.300000	3.100000	30.000000	60.000000	10.000000	0.020000	0.001000	0.000146
VOC	1,3-Dichlorobenzene	541-73-1	2.400000	17.000000	49.000000	280.000000	560.000000	999999.999000	2.400000	0.004000	0.000183
VOC	1,4-Dichlorobenzene	106-46-7	1.800000	9.800000	13.000000	130.000000	250.000000	20.000000	1.800000	0.004000	0.000242
VOC	Benzene	71-43-2	0.060000	2.900000	4.800000	44.000000	89.000000	70.000000	0.060000	0.001000	0.000118
VOC	Carbon Tetrachloride	56-23-5	0.760000	1.400000	2.400000	22.000000	44.000000	999999.999000	0.760000	0.001000	0.000210
VOC	Chlorobenzene	108-90-7	1.100000	100.000000	100.000000	500.000000	1000.000000	40.000000	1.100000	0.001000	0.000348
VOC	Chloroform	67-66-3	0.370000	10.000000	49.000000	350.000000	700.000000	12.000000	0.370000	0.001500	0.000348
VOC	Chloromethane	74-87-3	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	0.004000	0.000168
VOC	cis-1,2-Dichloroethene	156-59-2	0.250000	59.000000	100.000000	500.000000	1000.000000	999999.999000	0.250000	0.001000	0.000149
VOC	Ethylbenzene	100-41-4	1.000000	30.000000	41.000000	390.000000	780.000000	999999.999000	1.000000	0.001000	0.000147
VOC	Toluene	108-88-3	0.700000	100.000000	100.000000	500.000000	1000.000000	36.000000	0.700000	0.001500	0.000112
VOC	trans-1,2-Dichloroethene	156-60-5	0.190000	100.000000	100.000000	500.000000	1000.000000	999999.999000	0.190000	0.001500	0.000212
VOC	Trichloroethene	79-01-6	0.470000	10.000000	21.000000	200.000000	400.000000	2.000000	0.470000	0.001000	0.000152
VOC	Vinyl chloride	75-01-4	0.020000	0.210000	0.900000	13.000000	27.000000	999999.999000	0.020000	0.002000	0.000820

JOB: L1305471 REPORT STYLE: Data Usability Report
001: Cover & Signature Pages - OK
006: Narrative Page(s) - OK
010: Cover Page - OK
011: Volatiles Sample Results - OK
012: Volatiles Blank Report - OK
013: Volatiles LCS Report - OK
018: Cover Page - OK
020: Semivolatiles Blank Report - OK
021: Semivolatiles LCS Report - OK
100: Metals Sample Results - OK
101: Metals Blank Report - OK
102: Metals LCS Report - OK
104: Metals Matrix Spike Report - OK
105: Metals Duplicate Report - OK
118: Cover Page - OK
120: Wet Chemistry Sample Results - OK
125: Wet Chemistry Duplicate Report - OK
510: Container Report - OK
520: Glossary - OK
540: Reference Report - OK

No results found for sample L1305471-01 for product AG-TI
No results found for sample L1305471-01 for product AS-TI
No results found for sample L1305471-01 for product BA-TI
No results found for sample L1305471-01 for product BE-TI
No results found for sample L1305471-01 for product CD-TI
No results found for sample L1305471-01 for product CU-TI
No results found for sample L1305471-01 for product HG-T
No results found for sample L1305471-01 for product NI-TI
No results found for sample L1305471-01 for product NYTCL-8270
No results found for sample L1305471-01 for product PB-TI
No results found for sample L1305471-01 for product SE-TI
No results found for sample L1305471-01 for product TCN-9010
No results found for sample L1305471-01 for product ZN-TI
No results found for sample L1305471-02 for product AG-TI
No results found for sample L1305471-02 for product AS-TI
No results found for sample L1305471-02 for product BA-TI
No results found for sample L1305471-02 for product BE-TI
No results found for sample L1305471-02 for product CD-TI
No results found for sample L1305471-02 for product CU-TI
No results found for sample L1305471-02 for product HG-T
No results found for sample L1305471-02 for product NI-TI
No results found for sample L1305471-02 for product NYTCL-8270

No results found for sample L1305471-02 for product PB-TI
No results found for sample L1305471-02 for product SE-TI
No results found for sample L1305471-02 for product TCN-9010
No results found for sample L1305471-02 for product ZN-TI

ANALYTICAL REPORT

Lab Number:	L1305471
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/16/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305471
Report Date: 04/16/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305471-01	E016015	GLENS FALLS NEW YORK	04/01/13 12:40
L1305471-02	E015015	GLENS FALLS NEW YORK	04/01/13 14:00

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305471
Project Number:	Not Specified	**Report Date:**	04/16/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305471
Project Number:	Not Specified	**Report Date:**	04/16/13

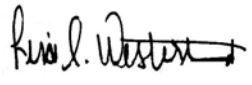
Case Narrative (continued)

Report Submission

This partial report replaces the partial report issued on April 8, 2013. At the client's request, the samples were additionally analyzed for Total Chromium. A final report will be issued as soon as the results of all requested analyses become available.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Lisa Westerlind

Title: Technical Director/Representative Date: 04/16/13

ORGANICS

VOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305471

Project Number: Not Specified **Report Date:** 04/16/13

SAMPLE RESULTS

Lab ID:	L1305471-01	Date Collected:	04/01/13 12:40
Client ID:	E016015	Date Received:	04/01/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/02/13 17:21		
Analyst:	BN		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	2.0	0.48	1
Carbon tetrachloride	ND		ug/kg	1.3	0.28	1
Chlorobenzene	ND		ug/kg	1.3	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.19	1
Benzene	ND		ug/kg	1.3	0.15	1
Toluene	ND		ug/kg	2.0	0.15	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	6.6	1.0	1
Vinyl chloride	ND		ug/kg	2.6	0.18	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.28	1
Trichloroethene	ND		ug/kg	1.3	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	6.6	0.24	1
1,3-Dichlorobenzene	ND		ug/kg	6.6	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	6.6	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.20	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	100		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305471

Project Number: Not Specified **Report Date:** 04/16/13

SAMPLE RESULTS

Lab ID:	L1305471-02	Date Collected:	04/01/13 14:00
Client ID:	E015015	Date Received:	04/01/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/02/13 17:49		
Analyst:	BN		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.7	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
Chlorobenzene	ND		ug/kg	1.2	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.17	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.7	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	5.8	0.91	1
Vinyl chloride	ND		ug/kg	2.3	0.16	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305471

Project Number: Not Specified **Report Date:** 04/16/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/02/13 09:26
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG599071-3					
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.33	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Vinyl chloride	ND		ug/kg	2.0	0.14
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305471

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599071-1 WG599071-2								
Methylene chloride	97		93		70-130	4		30
1,1-Dichloroethane	95		91		70-130	4		30
Chloroform	88		85		70-130	3		30
Carbon tetrachloride	93		86		70-130	8		30
1,2-Dichloropropane	92		90		70-130	2		30
Dibromochloromethane	96		94		70-130	2		30
2-Chloroethylvinyl ether	92		90			2		30
1,1,2-Trichloroethane	98		95		70-130	3		30
Tetrachloroethene	105		98		70-130	7		30
Chlorobenzene	99		95		70-130	4		30
Trichlorofluoromethane	89		81		70-139	9		30
1,2-Dichloroethane	78		77		70-130	1		30
1,1,1-Trichloroethane	90		84		70-130	7		30
Bromodichloromethane	85		83		70-130	2		30
trans-1,3-Dichloropropene	96		94		70-130	2		30
cis-1,3-Dichloropropene	89		87		70-130	2		30
1,1-Dichloropropene	96		90		70-130	6		30
Bromoform	94		93		70-130	1		30
1,1,2,2-Tetrachloroethane	98		97		70-130	1		30
Benzene	93		89		70-130	4		30
Toluene	100		95		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305471

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599071-1 WG599071-2								
Ethylbenzene	98		92		70-130	6		30
Chloromethane	126		119		52-130	6		30
Bromomethane	95		90		57-147	5		30
Vinyl chloride	120		112		67-130	7		30
Chloroethane	82		76		50-151	8		30
1,1-Dichloroethene	104		98		65-135	6		30
trans-1,2-Dichloroethene	98		92		70-130	6		30
Trichloroethene	92		87		70-130	6		30
1,2-Dichlorobenzene	100		97		70-130	3		30
1,3-Dichlorobenzene	102		99		70-130	3		30
1,4-Dichlorobenzene	102		98		70-130	4		30
Methyl tert butyl ether	87		86		66-130	1		30
p/m-Xylene	101		96		70-130	5		30
o-Xylene	99		94		70-130	5		30
cis-1,2-Dichloroethene	92		89		70-130	3		30
Dibromomethane	86		82		70-130	5		30
Styrene	96		92		70-130	4		30
Dichlorodifluoromethane	138		125		30-146	10		30
Acetone	117		95		54-140	21		30
Carbon disulfide	103		96		59-130	7		30
2-Butanone	97		86		70-130	12		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305471

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599071-1 WG599071-2								
Vinyl acetate	84		82		70-130	2		30
4-Methyl-2-pentanone	84		85		70-130	1		30
1,2,3-Trichloropropane	92		90		68-130	2		30
2-Hexanone	90		86		70-130	5		30
Bromochloromethane	94		90		70-130	4		30
2,2-Dichloropropane	91		84		70-130	8		30
1,2-Dibromoethane	96		93		70-130	3		30
1,3-Dichloropropane	97		94		69-130	3		30
1,1,1,2-Tetrachloroethane	98		94		70-130	4		30
Bromobenzene	101		99		70-130	2		30
n-Butylbenzene	102		97		70-130	5		30
sec-Butylbenzene	103		98		70-130	5		30
tert-Butylbenzene	104		98		70-130	6		30
o-Chlorotoluene	101		95		70-130	6		30
p-Chlorotoluene	101		97		70-130	4		30
1,2-Dibromo-3-chloropropane	81		80		68-130	1		30
Hexachlorobutadiene	112		106		67-130	6		30
Isopropylbenzene	102		97		70-130	5		30
p-Isopropyltoluene	104		98		70-130	6		30
Naphthalene	99		97		70-130	2		30
Acrylonitrile	94		94		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305471

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599071-1 WG599071-2								
Isopropyl Ether	93		90		66-130	3		30
tert-Butyl Alcohol	84		85		70-130	1		30
n-Propylbenzene	103		97		70-130	6		30
1,2,3-Trichlorobenzene	106		103		70-130	3		30
1,2,4-Trichlorobenzene	107		104		70-130	3		30
1,3,5-Trimethylbenzene	103		98		70-130	5		30
1,2,4-Trimethylbenzene	102		98		70-130	4		30
Methyl Acetate	91		90		70-130	1		30
Ethyl Acetate	86		85		70-130	1		30
Acrolein	79		77		70-130	3		30
Cyclohexane	110		102		70-130	8		30
1,4-Dioxane	87		86		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	109		100		70-130	9		30
1,4-Diethylbenzene	104		100		70-130	4		30
4-Ethyltoluene	104		99		70-130	5		30
1,2,4,5-Tetramethylbenzene	102		100		70-130	2		30
Tetrahydrofuran	89		90		66-130	1		30
Ethyl ether	78		77		67-130	1		30
trans-1,4-Dichloro-2-butene	90		89		70-130	1		30
Methyl cyclohexane	104		96		70-130	8		30
Ethyl-Tert-Butyl-Ether	89		88		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305471

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599071-1 WG599071-2								
Tertiary-Amyl Methyl Ether	86		85		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	86		86		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	97		97		70-130

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305471
Report Date: 04/16/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/03/13 08:41
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 04/02/13 14:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG598994-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	50	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	50	17.
Benzo(k)fluoranthene	ND		ug/kg	50	16.
Chrysene	ND		ug/kg	50	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	50	16.
Dibenzo(a,h)anthracene	ND		ug/kg	50	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		25-120
Phenol-d6	31		10-120
Nitrobenzene-d5	29		23-120
2-Fluorobiphenyl	33		30-120
2,4,6-Tribromophenol	36		0-136
4-Terphenyl-d14	36		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305471

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG598994-2 WG598994-3								
Bis(2-Ethylhexyl)phthalate	48		46		40-140	4		50
Dimethyl phthalate	48		45		40-140	6		50
Benzo(a)anthracene	50		47		40-140	6		50
Benzo(a)pyrene	51		49		40-140	4		50
Benzo(b)fluoranthene	53		50		40-140	6		50
Benzo(k)fluoranthene	51		48		40-140	6		50
Chrysene	50		48		40-140	4		50
Fluorene	46		44		40-140	4		50
Phenanthrene	48		48		40-140	0		50
Dibenzo(a,h)anthracene	51		49		40-140	4		50
Indeno(1,2,3-cd)Pyrene	49		47		40-140	4		50
2-Chlorophenol	38		37		25-102	3		50
Pentachlorophenol	52		47		17-109	10		50
Phenol	30		29		26-90	3		50
3-Methylphenol/4-Methylphenol	36		36		30-130	0		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305471

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG598994-2 WG598994-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	38		38		25-120
Phenol-d6	36		35		10-120
Nitrobenzene-d5	32		31		23-120
2-Fluorobiphenyl	41		38		30-120
2,4,6-Tribromophenol	58		55		0-136
4-Terphenyl-d14	54		52		18-120

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305471
Project Number: Not Specified
Report Date: 04/16/13

SAMPLE RESULTS

Lab ID: L1305471-01
Client ID: E016015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 78%

Date Collected: 04/01/13 12:40
Date Received: 04/01/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	23		mg/kg	0.51	0.10	1	04/04/13 12:19	04/04/13 18:00	EPA 3050B	1,6010C	BM

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305471
Project Number: Not Specified
Report Date: 04/16/13

SAMPLE RESULTS

Lab ID: L1305471-02
Client ID: E015015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 81%

Date Collected: 04/01/13 14:00
Date Received: 04/01/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	14		mg/kg	0.47	0.09	1	04/04/13 12:19	04/04/13 18:03	EPA 3050B	1,6010C	BM

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305471

Project Number: Not Specified **Report Date:** 04/16/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG599508-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Barium, Total	ND		mg/kg	0.40	0.12	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Copper, Total	ND		mg/kg	0.40	0.20	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Lead, Total	ND		mg/kg	2.0	0.12	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Selenium, Total	0.14	J	mg/kg	0.80	0.12	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Silver, Total	ND		mg/kg	0.40	0.08	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Zinc, Total	ND		mg/kg	2.0	0.20	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG599779-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/07/13 12:46	04/08/13 09:42	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305471

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG599508-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	88		-		83-118	-		
Beryllium, Total	92		-		83-117	-		
Cadmium, Total	89		-		82-117	-		
Chromium, Total	92		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	95		-		80-120	-		
Nickel, Total	94		-		82-117	-		
Selenium, Total	106		-		80-120	-		
Silver, Total	100		-		66-134	-		
Zinc, Total	103		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG599779-2 SRM Lot Number: 0518-10-02								
Mercury, Total	124		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305471
Report Date: 04/16/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599508-4 QC Sample: L1305464-01 Client ID: MS Sample												
Arsenic, Total	1.0	11.9	13	101		-	-		75-125	-		35
Barium, Total	32.	198	220	95		-	-		75-125	-		35
Beryllium, Total	0.45	4.95	5.0	92		-	-		75-125	-		35
Cadmium, Total	0.23J	5.05	44	87		-	-		75-125	-		35
Chromium, Total	7.9	19.8	26	91		-	-		75-125	-		35
Copper, Total	3.1	24.7	28	101		-	-		75-125	-		35
Lead, Total	2.2J	50.5	51	101		-	-		75-125	-		35
Nickel, Total	8.5	49.5	53	90		-	-		75-125	-		35
Selenium, Total	0.31J	11.9	12	101		-	-		75-125	-		35
Silver, Total	ND	29.7	31	104		-	-		75-125	-		35
Zinc, Total	35.	49.5	77	85		-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599779-4 QC Sample: - Client ID: -												
Mercury, Total	ND	0.188	0.21	112		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305471
Report Date: 04/16/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599508-3 QC Sample: L1305464-01 Client ID: DUP Sample						
Chromium, Total	7.9	7.7	mg/kg	3		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305471
Report Date: 04/16/13

SAMPLE RESULTS

Lab ID: L1305471-01
Client ID: E016015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/01/13 12:40
Date Received: 04/01/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.8		%	0.100	NA	1	-	04/02/13 19:22	30,2540G	RD

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305471
Report Date: 04/16/13

SAMPLE RESULTS

Lab ID: L1305471-02
Client ID: E015015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/01/13 14:00
Date Received: 04/01/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.9		%	0.100	NA	1	-	04/02/13 19:22	30,2540G	RD

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305471
Report Date: 04/16/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599072-1 QC Sample: L1305460-01 Client ID: DUP Sample						
Solids, Total	95.6	96.0	%	0		20

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305471
Report Date: 04/16/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 04/02/2013 00:10

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305471-01A	Vial MeOH preserved	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(14)
L1305471-01B	Vial water preserved	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(14)
L1305471-01C	Vial water preserved	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(14)
L1305471-01D	Plastic 2oz unpreserved for TS	A	N/A	2.3	Y	Absent	TS(7)
L1305471-01E	Amber 120ml unpreserved	A	N/A	2.3	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305471-01F	Amber 250ml unpreserved	A	N/A	2.3	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305471-02A	Vial MeOH preserved	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(14)
L1305471-02B	Vial water preserved	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(14)
L1305471-02C	Vial water preserved	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(14)
L1305471-02D	Plastic 2oz unpreserved for TS	A	N/A	2.3	Y	Absent	TS(7)
L1305471-02E	Amber 120ml unpreserved	A	N/A	2.3	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305471
Report Date: 04/16/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305471-02F	Amber 250ml unpreserved	A	N/A	2.3	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305471
Project Number:	Not Specified	**Report Date:**	04/16/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305471
Project Number:	Not Specified	**Report Date:**	04/16/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305471
Project Number:	Not Specified	**Report Date:**	04/16/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL — World Class Chemistry

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab: 4/1/13

ALPHA Job #: L1305471

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/8/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:

Detection limits to meet NYSDEC Part 375 Requirements (Unrestricted)
Find %Moisture of each aliquot and calculate average for use as %Moisture of associated composite sample

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs-See attached list	Hexavalent Chromium-Hold	Cyanide-Hold	Metals-See attached list-Hold	PCBs-Hold	SVOCs-See atached list-Hold							Sample Specific Comments	TOTAL # BOTTLES
05471-01	E016015	4/1	1240	S	SK	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		
-02	E015015	4/1	1400	S	SK	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
Container Type						-	-	-	-	-	-	-	-	-	-	-	-		
Preservative						-	-	-	-	-	-	-	-	-	-	-	-		

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/1 1600	[signature]	4/1/13 1600
Robert Harris	4/1/13 2100	Kyle Cunningham	4/1/13 2100
Kyle Cunningham	4/1/13 23:40	[signature]	4/1/13 23:40

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ)
(rev. 5-JAN-12)

BASF Corporation
Glens Falls, New York

Supplemental Chain of Custody

Fraction	Parameter	CAS	UNRESTRCT	RES	REST_RES	COMM	IND	ECO_PROT	GW_PROT	Alpha-RL	Alpha-MDL
Inorganic-Cyanide	Cyanide, total	57-12-5	27.000000	27.000000	27.000000	27.000000	10000.000000	999999.999000	40.000000	1.000000	0.234000
Metal	Arsenic	7440-38-2	13.000000	16.000000	16.000000	16.000000	16.000000	13.000000	16.000000	0.400000	0.136900
Metal	Barium	7440-39-3	350.000000	350.000000	400.000000	400.000000	10000.000000	433.000000	820.000000	0.400000	0.109000
Metal	Beryllium	7440-41-7	7.200000	14.000000	72.000000	590.000000	2700.000000	10.000000	47.000000	0.200000	0.014000
Metal	Cadmium	7440-43-9	2.500000	2.500000	4.300000	9.300000	60.000000	4.000000	7.500000	0.400000	0.025000
Metal	Copper	7440-50-8	50.000000	270.000000	270.000000	270.000000	10000.000000	50.000000	1720.000000	0.400000	0.185000
Metal	Lead	7439-92-1	63.000000	400.000000	400.000000	1000.000000	3900.000000	63.000000	450.000000	2.000000	0.112000
Metal	Nickel	7440-02-0	30.000000	140.000000	310.000000	310.000000	10000.000000	30.000000	130.000000	1.000000	0.157800
Metal	Selenium	7782-49-2	3.900000	36.000000	180.000000	1500.000000	6800.000000	3.900000	4.000000	0.800000	0.131000
Metal	Silver	7440-22-4	2.000000	36.000000	180.000000	1500.000000	6800.000000	2.000000	8.300000	0.400000	0.080000
Metal	Zinc	7440-66-6	109.000000	2200.000000	10000.000000	10000.000000	10000.000000	109.000000	2480.000000	2.000000	0.216000
Metal	Chromium	7440-47-3	1.000000	22.000000	110.000000	400.000000	800.000000	1.000000	19.000000	0.400000	0.018000
Metal	Chromium, Hexavalent	18540-29-9	1.000000	22.000000	110.000000	400.000000	800.000000	1.000000	19.000000	0.800000	0.160000
Metal	Mercury	7439-97-6	0.180000	0.810000	0.810000	2.800000	5.700000	0.180000	0.730000	0.080000	0.017000
PCBs	PCBs (Total)	1336-36-3	0.100000	1.000000	1.000000	1.000000	25.000000	1.000000	3.200000	0.033300	0.010045
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	0.167000	0.039000
SVOC	Dimethyl phthalate	131-11-3	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	0.167000	0.026000
SVOC-PAH	Benzo(a)anthracene	56-55-3	1.000000	1.000000	1.000000	5.600000	11.000000	999999.999000	1.000000	0.100000	0.030000
SVOC-PAH	Benzo(a)pyrene	50-32-8	1.000000	1.000000	1.000000	1.000000	1.100000	2.600000	22.000000	0.133000	0.026000
SVOC-PAH	Benzo(b) fluoranthene	205-99-2	1.000000	1.000000	1.000000	5.600000	11.000000	999999.999000	1.700000	0.100000	0.029000
SVOC-PAH	Benzo(k) fluoranthene	207-08-9	0.800000	1.000000	3.900000	56.000000	110.000000	999999.999000	1.700000	0.100000	0.031000
SVOC-PAH	Chrysene	218-01-9	1.000000	1.000000	3.900000	56.000000	110.000000	999999.999000	1.000000	0.100000	0.032000
SVOC-PAH	Dibenzo(ah) anthracene	53-70-3	0.330000	0.330000	0.330000	0.560000	1.100000	999999.999000	1000.000000	0.100000	0.031000
SVOC-PAH	Fluorene	86-73-7	30.000000	100.000000	100.000000	500.000000	1000.000000	30.000000	386.000000	0.167000	0.032000
SVOC-PAH	Indeno(1,2,3-cd)pyrene	193-39-5	0.500000	0.500000	0.500000	5.600000	11.000000	999999.999000	8.200000	0.133000	0.037000
SVOC-PAH	Phenanthrene	85-01-8	100.000000	100.000000	100.000000	500.000000	1000.000000	999999.999000	1000.000000	0.100000	0.027000
SVOC-Phenol	2-Chlorophenol	95-57-81	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	0.167000	0.037000
SVOC-Phenol	4-Methylphenol	106-44-5	0.330000	34.000000	100.000000	500.000000	1000.000000	999999.999000	0.330000	0.233000	0.042000
SVOC-Phenol	Pentachlorophenol	87-86-5	0.800000	2.400000	6.700000	6.700000	55.000000	0.800000	0.800000	0.133000	0.035000
SVOC-Phenol	Phenol	108-95-2	0.330000	100.000000	100.000000	500.000000	1000.000000	30.000000	0.330000	0.167000	0.040000
VOC	1,2-Dichlorobenzene	95-50-1	1.100000	100.000000	100.000000	500.000000	1000.000000	999999.999000	1.100000	0.004000	0.001830
VOC	1,2-Dichloroethane	107-06-2	0.020000	2.300000	3.100000	30.000000	60.000000	10.000000	0.020000	0.001000	0.000146
VOC	1,3-Dichlorobenzene	541-73-1	2.400000	17.000000	49.000000	280.000000	560.000000	999999.999000	2.400000	0.004000	0.000183
VOC	1,4-Dichlorobenzene	106-46-7	1.800000	9.800000	13.000000	130.000000	250.000000	20.000000	1.800000	0.004000	0.000242
VOC	Benzene	71-43-2	0.060000	2.900000	4.800000	44.000000	89.000000	70.000000	0.060000	0.001000	0.000118
VOC	Carbon Tetrachloride	56-23-5	0.760000	1.400000	2.400000	22.000000	44.000000	999999.999000	0.760000	0.001000	0.000210
VOC	Chlorobenzene	108-90-7	1.100000	100.000000	100.000000	500.000000	1000.000000	40.000000	1.100000	0.001000	0.000348
VOC	Chloroform	67-66-3	0.370000	10.000000	49.000000	350.000000	700.000000	12.000000	0.370000	0.001500	0.000348
VOC	Chloromethane	74-87-3	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	0.004000	0.000168
VOC	cis-1,2-Dichloroethene	156-59-2	0.250000	59.000000	100.000000	500.000000	1000.000000	999999.999000	0.250000	0.001000	0.000149
VOC	Ethylbenzene	100-41-4	1.000000	30.000000	41.000000	390.000000	780.000000	999999.999000	1.000000	0.001000	0.000147
VOC	Toluene	108-88-3	0.700000	100.000000	100.000000	500.000000	1000.000000	36.000000	0.700000	0.001500	0.000112
VOC	trans-1,2-Dichloroethene	156-60-5	0.190000	100.000000	100.000000	500.000000	1000.000000	999999.999000	0.190000	0.001500	0.000212
VOC	Trichloroethene	79-01-6	0.470000	10.000000	21.000000	200.000000	400.000000	2.000000	0.470000	0.001000	0.000152
VOC	Vinyl chloride	75-01-4	0.020000	0.210000	0.900000	13.000000	27.000000	999999.999000	0.020000	0.002000	0.000820

ANALYTICAL REPORT

Lab Number:	L1305468
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS RIVER
Project Number:	Not Specified
Report Date:	04/09/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS RIVER
Project Number: Not Specified

Lab Number: L1305468
Report Date: 04/09/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305468-01	E001E002	GLENS FALLS NEW YORK	04/01/13 13:30

Project Name: BASF GLENS FALLS RIVER
Project Number: Not Specified

Lab Number: L1305468
Report Date: 04/09/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS RIVER	**Lab Number:**	L1305468
Project Number:	Not Specified	**Report Date:**	04/09/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

At the client's request, the sample was not analyzed for PCBs.

Solids, Total

L1305468-01: The average results from the original samples is reported; the Duplicate was performed with original batch.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 04/09/13

ORGANICS

SEMIVOLATILES

Project Name: BASF GLENS FALLS RIVER **Lab Number:** L1305468

Project Number: Not Specified **Report Date:** 04/09/13

SAMPLE RESULTS

Lab ID:	L1305468-01	Date Collected:	04/01/13 13:30
Client ID:	E001E002	Date Received:	04/01/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/02/13 14:15
Analytical Date:	04/03/13 10:27		
Analyst:	RC		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	52.	1
Dimethyl phthalate	ND		ug/kg	200	51.	1
Benzo(a)anthracene	1200		ug/kg	120	39.	1
Benzo(a)pyrene	1100		ug/kg	160	49.	1
Benzo(b)fluoranthene	1200		ug/kg	120	40.	1
Benzo(k)fluoranthene	440		ug/kg	120	38.	1
Chrysene	1200		ug/kg	120	39.	1
Fluorene	ND		ug/kg	200	57.	1
Phenanthrene	260		ug/kg	120	39.	1
Dibenzo(a,h)anthracene	150		ug/kg	120	39.	1
Indeno(1,2,3-cd)pyrene	610		ug/kg	160	44.	1
2-Chlorophenol	ND		ug/kg	200	60.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	59.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	66.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	87		30-120
2,4,6-Tribromophenol	124		0-136
4-Terphenyl-d14	105		18-120

Project Name: BASF GLENS FALLS RIVER
Project Number: Not Specified

Lab Number: L1305468
Report Date: 04/09/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/03/13 08:41
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 04/02/13 14:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG598994-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	50	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	50	17.
Benzo(k)fluoranthene	ND		ug/kg	50	16.
Chrysene	ND		ug/kg	50	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	50	16.
Dibenzo(a,h)anthracene	ND		ug/kg	50	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		25-120
Phenol-d6	31		10-120
Nitrobenzene-d5	29		23-120
2-Fluorobiphenyl	33		30-120
2,4,6-Tribromophenol	36		0-136
4-Terphenyl-d14	36		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS RIVER

Project Number: Not Specified

Lab Number: L1305468

Report Date: 04/09/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG598994-2 WG598994-3								
Bis(2-Ethylhexyl)phthalate	48		46		40-140	4		50
Dimethyl phthalate	48		45		40-140	6		50
Benzo(a)anthracene	50		47		40-140	6		50
Benzo(a)pyrene	51		49		40-140	4		50
Benzo(b)fluoranthene	53		50		40-140	6		50
Benzo(k)fluoranthene	51		48		40-140	6		50
Chrysene	50		48		40-140	4		50
Fluorene	46		44		40-140	4		50
Phenanthrene	48		48		40-140	0		50
Dibenzo(a,h)anthracene	51		49		40-140	4		50
Indeno(1,2,3-cd)Pyrene	49		47		40-140	4		50
2-Chlorophenol	38		37		25-102	3		50
Pentachlorophenol	52		47		17-109	10		50
Phenol	30		29		26-90	3		50
3-Methylphenol/4-Methylphenol	36		36		30-130	0		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS RIVER

Project Number: Not Specified

Lab Number: L1305468

Report Date: 04/09/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG598994-2 WG598994-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	38		38		25-120
Phenol-d6	36		35		10-120
Nitrobenzene-d5	32		31		23-120
2-Fluorobiphenyl	41		38		30-120
2,4,6-Tribromophenol	58		55		0-136
4-Terphenyl-d14	54		52		18-120

METALS

Project Name: BASF GLENS FALLS RIVER
Lab Number: L1305468
Project Number: Not Specified
Report Date: 04/09/13

SAMPLE RESULTS

Lab ID: L1305468-01
Client ID: E001E002
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 82%

Date Collected: 04/01/13 13:30
Date Received: 04/01/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	1.2		mg/kg	0.47	0.14	2	04/04/13 12:19	04/08/13 17:19	EPA 3050B	1,6010C	MS
Barium, Total	26		mg/kg	0.47	0.14	2	04/04/13 12:19	04/08/13 17:19	EPA 3050B	1,6010C	MS
Beryllium, Total	0.22	J	mg/kg	0.24	0.02	2	04/04/13 12:19	04/08/13 17:19	EPA 3050B	1,6010C	MS
Cadmium, Total	0.27	J	mg/kg	0.47	0.03	2	04/04/13 12:19	04/08/13 17:19	EPA 3050B	1,6010C	MS
Chromium, Total	7.9		mg/kg	0.47	0.10	2	04/04/13 12:19	04/08/13 17:19	EPA 3050B	1,6010C	MS
Copper, Total	6.6		mg/kg	0.47	0.24	2	04/04/13 12:19	04/08/13 17:19	EPA 3050B	1,6010C	MS
Lead, Total	12		mg/kg	2.4	0.14	2	04/04/13 12:19	04/08/13 17:19	EPA 3050B	1,6010C	MS
Mercury, Total	0.04	J	mg/kg	0.09	0.02	2	04/07/13 12:46	04/08/13 11:25	EPA 7471B	1,7471B	MC
Nickel, Total	3.9		mg/kg	1.2	0.19	2	04/04/13 12:19	04/08/13 17:19	EPA 3050B	1,6010C	MS
Selenium, Total	0.44	J	mg/kg	0.95	0.14	2	04/04/13 12:19	04/08/13 17:19	EPA 3050B	1,6010C	MS
Silver, Total	ND		mg/kg	0.47	0.10	2	04/04/13 12:19	04/08/13 17:19	EPA 3050B	1,6010C	MS
Zinc, Total	31		mg/kg	2.4	0.24	2	04/04/13 12:19	04/08/13 17:19	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS RIVER
Project Number: Not Specified
Lab Number: L1305468
Report Date: 04/09/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG599508-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Barium, Total	ND		mg/kg	0.40	0.12	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Copper, Total	ND		mg/kg	0.40	0.20	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Lead, Total	ND		mg/kg	2.0	0.12	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Selenium, Total	0.14	J	mg/kg	0.80	0.12	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Silver, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Zinc, Total	ND		mg/kg	2.0	0.20	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG599779-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/07/13 12:46	04/08/13 09:42	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS RIVER

Project Number: Not Specified

Lab Number: L1305468

Report Date: 04/09/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG599508-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	88		-		83-118	-		
Beryllium, Total	92		-		83-117	-		
Cadmium, Total	89		-		82-117	-		
Chromium, Total	92		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	95		-		80-120	-		
Nickel, Total	94		-		82-117	-		
Selenium, Total	106		-		80-120	-		
Silver, Total	100		-		66-134	-		
Zinc, Total	103		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG599779-2 SRM Lot Number: 0518-10-02								
Mercury, Total	124		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS RIVER
Project Number: Not Specified

Lab Number: L1305468
Report Date: 04/09/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599508-4 QC Sample: L1305464-01 Client ID: MS Sample												
Arsenic, Total	1.0	11.9	13	101		-	-		75-125	-		35
Barium, Total	32.	198	220	95		-	-		75-125	-		35
Beryllium, Total	0.45	4.95	5.0	92		-	-		75-125	-		35
Cadmium, Total	0.23J	5.05	44	87		-	-		75-125	-		35
Chromium, Total	7.9	19.8	26	91		-	-		75-125	-		35
Copper, Total	3.1	24.7	28	101		-	-		75-125	-		35
Lead, Total	2.2J	50.5	51	101		-	-		75-125	-		35
Nickel, Total	8.5	49.5	53	90		-	-		75-125	-		35
Selenium, Total	0.31J	11.9	12	101		-	-		75-125	-		35
Silver, Total	ND	29.7	31	104		-	-		75-125	-		35
Zinc, Total	35.	49.5	77	85		-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599779-4 QC Sample: L1305464-01 Client ID: MS Sample												
Mercury, Total	0.02J	0.188	0.21	112		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS RIVER
Project Number: Not Specified

Lab Number: L1305468
Report Date: 04/09/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599508-3 QC Sample: L1305464-01 Client ID: DUP Sample						
Arsenic, Total	1.0	1.0	mg/kg	0		35
Barium, Total	32.	29	mg/kg	10		35
Beryllium, Total	0.45	0.34	mg/kg	28		35
Cadmium, Total	0.23J	0.16J	mg/kg	NC		35
Chromium, Total	7.9	7.7	mg/kg	3		35
Copper, Total	3.1	3.1	mg/kg	0		35
Lead, Total	2.2J	2.0J	mg/kg	NC		35
Nickel, Total	8.5	7.7	mg/kg	10		35
Selenium, Total	0.31J	ND	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Zinc, Total	35.	28	mg/kg	22		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599779-3 QC Sample: L1305464-01 Client ID: DUP Sample						
Mercury, Total	0.02J	ND	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS RIVER
Project Number: Not Specified

Lab Number: L1305468
Report Date: 04/09/13

SAMPLE RESULTS

Lab ID: L1305468-01
Client ID: E001E002
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/01/13 13:30
Date Received: 04/01/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.0		%	0.100	NA	1	-	04/02/13 19:22	30,2540G	RD
Cyanide, Total	ND		mg/kg	1.2	0.28	2	04/03/13 10:08	04/04/13 15:27	1,9010C/9012A	JO

Project Name: BASF GLENS FALLS RIVER
Project Number: Not Specified
Lab Number: L1305468
Report Date: 04/09/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG599325-1										
Cyanide, Total	ND		mg/kg	0.94	0.22	1	04/03/13 10:08	04/04/13 15:16	1,9010C/9012A	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS RIVER

Project Number: Not Specified

Lab Number: L1305468

Report Date: 04/09/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG599325-4 WG599325-5								
Cyanide, Total	111		113		80-120	2		35

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS RIVER
Project Number: Not Specified

Lab Number: L1305468
Report Date: 04/09/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599325-3 WG599325-2 QC Sample: L1305611-20 Client ID: MS Sample												
Cyanide, Total	ND	10	11	100		12	110		65-135	9		35

Project Name:	BASF GLENS FALLS RIVER	**Lab Number:**	L1305468
Project Number:	Not Specified	**Report Date:**	04/09/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS RIVER	**Lab Number:**	L1305468
Project Number:	Not Specified	**Report Date:**	04/09/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: BASF GLENS FALLS RIVER
Project Number: Not Specified
Lab Number: L1305468
Report Date: 04/09/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 4/1/13

ALPHA Job #: L1305468

ALPHA ANALYTICAL World Class Chemistry

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/8/13 Time:

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:
Extract/Digest Sample E001035 and Sample E002035.
Composite and analyze Extract/Digestate as Sample inidicated below.
Detection limits to meet NYSDEC Part 375 Requirements (0.5 x Unrestricted)
Use average of associated aliquot %Moisture for result calculations

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cyanide	Metals-See attached list (no Cr6+)	PCBs	SVOCs-See attached list									Sample Specific Comments	TOTAL # BOTTLES
05468-01	E001 E002	4/1	1330	S	SL	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
Container Type						-	-	-	-	-	-	-	-	-	-	-	-		
Preservative						-	-	-	-	-	-	-	-	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/1 1600	[signature]	4/1/13 1600
Robert Harris	4/1/13 2100	Kyle Cunsham	4/1/13 2100
Kyle Cunsham	4/1/13 23:40	[signature]	4/1/13 23:40

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ)
(rev. 5-JAN-12)

BASF Corporation
Glens Falls, New York

Supplemental Chain of Custody

Fraction	Parameter	CAS	UNRESTRCT	RES	REST_RES	COMM	IND	ECO_PROT	GW_PROT	Alpha-RL	Alpha-MDL
Inorganic-Cyanide	Cyanide, total	57-12-5	27.000000	27.000000	27.000000	27.000000	10000.000000	999999.999000	40.000000	1.000000	0.234000
Metal	Arsenic	7440-38-2	13.000000	16.000000	16.000000	16.000000	16.000000	13.000000	16.000000	0.400000	0.136900
Metal	Barium	7440-39-3	350.000000	350.000000	400.000000	400.000000	10000.000000	433.000000	820.000000	0.400000	0.109000
Metal	Beryllium	7440-41-7	7.200000	14.000000	72.000000	590.000000	2700.000000	10.000000	47.000000	0.200000	0.014000
Metal	Cadmium	7440-43-9	2.500000	2.500000	4.300000	9.300000	60.000000	4.000000	7.500000	0.400000	0.025000
Metal	Copper	7440-50-8	50.000000	270.000000	270.000000	270.000000	10000.000000	50.000000	1720.000000	0.400000	0.185000
Metal	Lead	7439-92-1	63.000000	400.000000	400.000000	1000.000000	3900.000000	63.000000	450.000000	2.000000	0.112000
Metal	Nickel	7440-02-0	30.000000	140.000000	310.000000	310.000000	10000.000000	30.000000	130.000000	1.000000	0.157800
Metal	Selenium	7782-49-2	3.900000	36.000000	180.000000	1500.000000	6800.000000	3.900000	4.000000	0.800000	0.131000
Metal	Silver	7440-22-4	2.000000	36.000000	180.000000	1500.000000	6800.000000	2.000000	8.300000	0.400000	0.080000
Metal	Zinc	7440-66-6	109.000000	2200.000000	10000.000000	10000.000000	10000.000000	109.000000	2480.000000	2.000000	0.216000
Metal	Chromium	7440-47-3	1.000000	22.000000	110.000000	400.000000	800.000000	1.000000	19.000000	0.400000	0.018000
Metal	Chromium, Hexavalent	18540-29-9	1.000000	22.000000	110.000000	400.000000	800.000000	1.000000	19.000000	0.800000	0.160000
Metal	Mercury	7439-97-6	0.180000	0.810000	0.810000	2.800000	5.700000	0.180000	0.730000	0.080000	0.017000
PCBs	PCBs (Total)	1336-36-3	0.100000	1.000000	1.000000	1.000000	25.000000	1.000000	3.200000	0.033300	0.010045
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	0.167000	0.039000
SVOC	Dimethyl phthalate	131-11-3	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	0.167000	0.026000
SVOC-PAH	Benzo(a)anthracene	56-SS-3	1.000000	1.000000	1.000000	5.600000	11.000000	999999.999000	1.000000	0.100000	0.030000
SVOC-PAH	Benzo(a)pyrene	50-32-8	1.000000	1.000000	1.000000	1.000000	1.100000	2.600000	22.000000	0.133000	0.026000
SVOC-PAH	Benzo(b) fluoranthene	205-99-2	1.000000	1.000000	1.000000	5.600000	11.000000	999999.999000	1.700000	0.100000	0.029000
SVOC-PAH	Benzo(k) fluoranthene	207-08-9	0.800000	1.000000	3.900000	56.000000	110.000000	999999.999000	1.700000	0.100000	0.031000
SVOC-PAH	Chrysene	218-01-9	1.000000	1.000000	3.900000	56.000000	110.000000	999999.999000	1.000000	0.100000	0.032000
SVOC-PAH	Dibenzo(ah) anthracene	53-70-3	0.330000	0.330000	0.330000	0.560000	1.100000	999999.999000	1000.000000	0.100000	0.031000
SVOC-PAH	Fluorene	86-73-7	30.000000	100.000000	100.000000	500.000000	1000.000000	30.000000	386.000000	0.167000	0.032000
SVOC-PAH	Indeno(1,2,3-cd)pyrene	193-39-5	0.500000	0.500000	0.500000	5.600000	11.000000	999999.999000	8.200000	0.133000	0.037000
SVOC-PAH	Phenanthrene	85-01-8	100.000000	100.000000	100.000000	500.000000	1000.000000	999999.999000	1000.000000	0.100000	0.027000
SVOC-Phenol	2-Chlorophenol	95-57-81	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	0.167000	0.037000
SVOC-Phenol	4-Methylphenol	106-44-5	0.330000	34.000000	100.000000	500.000000	1000.000000	999999.999000	0.330000	0.233000	0.042000
SVOC-Phenol	Pentachlorophenol	87-86-5	0.800000	2.400000	6.700000	6.700000	55.000000	0.800000	0.800000	0.133000	0.035000
SVOC-Phenol	Phenol	108-95-2	0.330000	100.000000	100.000000	500.000000	1000.000000	30.000000	0.330000	0.167000	0.040000
VOC	1,2-Dichlorobenzene	95-50-1	1.100000	100.000000	100.000000	500.000000	1000.000000	999999.999000	1.100000	0.004000	0.001830
VOC	1,2-Dichloroethane	107-06-2	0.020000	2.300000	3.100000	30.000000	60.000000	10.000000	0.020000	0.001000	0.000146
VOC	1,3-Dichlorobenzene	541-73-1	2.400000	17.000000	49.000000	280.000000	560.000000	999999.999000	2.400000	0.004000	0.000183
VOC	1,4-Dichlorobenzene	106-46-7	1.800000	9.800000	13.000000	130.000000	250.000000	20.000000	1.800000	0.004000	0.000242
VOC	Benzene	71-43-2	0.060000	2.900000	4.800000	44.000000	89.000000	70.000000	0.060000	0.001000	0.000118
VOC	Carbon Tetrachloride	56-23-5	0.760000	1.400000	2.400000	22.000000	44.000000	999999.999000	0.760000	0.001000	0.000210
VOC	Chlorobenzene	108-90-7	1.100000	100.000000	100.000000	500.000000	1000.000000	40.000000	1.100000	0.001000	0.000348
VOC	Chloroform	67-66-3	0.370000	10.000000	49.000000	350.000000	700.000000	12.000000	0.370000	0.001500	0.000348
VOC	Chloromethane	74-87-3	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	0.004000	0.000168
VOC	cis-1,2-Dichloroethene	156-59-2	0.250000	59.000000	100.000000	500.000000	1000.000000	999999.999000	0.250000	0.001000	0.000149
VOC	Ethylbenzene	100-41-4	1.000000	30.000000	41.000000	390.000000	780.000000	999999.999000	1.000000	0.001000	0.000147
VOC	Toluene	108-88-3	0.700000	100.000000	100.000000	500.000000	1000.000000	36.000000	0.700000	0.001500	0.000112
VOC	trans-1,2-Dichloroethene	156-60-5	0.190000	100.000000	100.000000	500.000000	1000.000000	999999.999000	0.190000	0.001500	0.000212
VOC	Trichloroethene	79-01-6	0.470000	10.000000	21.000000	200.000000	400.000000	2.000000	0.470000	0.001000	0.000152
VOC	Vinyl chloride	75-01-4	0.020000	0.210000	0.900000	13.000000	27.000000	999999.999000	0.020000	0.002000	0.000820

JOB: L1305467 REPORT STYLE: Data Usability Report
001: Cover & Signature Pages - OK
006: Narrative Page(s) - OK
010: Cover Page - OK
011: Volatiles Sample Results - OK
012: Volatiles Blank Report - OK
013: Volatiles LCS Report - OK
018: Cover Page - OK
019: Semivolatiles Sample Results - OK
020: Semivolatiles Blank Report - OK
021: Semivolatiles LCS Report - OK
100: Metals Sample Results - OK
101: Metals Blank Report - OK
102: Metals LCS Report - OK
104: Metals Matrix Spike Report - OK
105: Metals Duplicate Report - OK
118: Cover Page - OK
120: Wet Chemistry Sample Results - OK
125: Wet Chemistry Duplicate Report - OK
510: Container Report - OK
520: Glossary - OK
540: Reference Report - OK

No results found for sample L1305467-01 for product AG-TI
No results found for sample L1305467-01 for product AS-TI
No results found for sample L1305467-01 for product BA-TI
No results found for sample L1305467-01 for product BE-TI
No results found for sample L1305467-01 for product CD-TI
No results found for sample L1305467-01 for product CU-TI
No results found for sample L1305467-01 for product HG-T
No results found for sample L1305467-01 for product NI-TI
No results found for sample L1305467-01 for product PB-TI
No results found for sample L1305467-01 for product SE-TI
No results found for sample L1305467-01 for product TCN-9010
No results found for sample L1305467-01 for product ZN-TI
No results found for sample L1305467-02 for product AG-TI
No results found for sample L1305467-02 for product AS-TI
No results found for sample L1305467-02 for product BA-TI
No results found for sample L1305467-02 for product BE-TI
No results found for sample L1305467-02 for product CD-TI
No results found for sample L1305467-02 for product CU-TI
No results found for sample L1305467-02 for product HG-T
No results found for sample L1305467-02 for product NI-TI
No results found for sample L1305467-02 for product PB-TI

No results found for sample L1305467-02 for product SE-TI
No results found for sample L1305467-02 for product TCN-9010
No results found for sample L1305467-02 for product ZN-TI

ANALYTICAL REPORT

Lab Number:	L1305467
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/16/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305467
Report Date: 04/16/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305467-01	E001015	GLENS FALLS NEW YORK	04/01/13 13:30
L1305467-02	E002015	GLENS FALLS NEW YORK	04/01/13 13:15

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305467
Project Number: Not Specified **Report Date:** 04/16/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305467
Project Number:	Not Specified	**Report Date:**	04/16/13

Case Narrative (continued)

Report Submission

This partial report replaces the partial report issued on April 8, 2013. At the client's request, the samples were additionally analyzed for Semivolatile Organics and Total Chromium. A final report will be issued as soon as the results of all requested analyses become available.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 04/16/13

ORGANICS

VOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305467

Project Number: Not Specified **Report Date:** 04/16/13

SAMPLE RESULTS

Lab ID:	L1305467-01	Date Collected:	04/01/13 13:30
Client ID:	E001015	Date Received:	04/01/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/02/13 16:25		
Analyst:	BN		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.4	0.85	1
Vinyl chloride	ND		ug/kg	2.2	0.15	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	98		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305467

Project Number: Not Specified **Report Date:** 04/16/13

SAMPLE RESULTS

Lab ID:	L1305467-02	Date Collected:	04/01/13 13:15
Client ID:	E002015	Date Received:	04/01/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	04/02/13 16:53		
Analyst:	BN		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.1	0.80	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	99		70-130

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305467

Project Number: Not Specified **Report Date:** 04/16/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/02/13 09:26
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG599071-3					
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.33	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Vinyl chloride	ND		ug/kg	2.0	0.14
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305467

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599071-1 WG599071-2								
Methylene chloride	97		93		70-130	4		30
1,1-Dichloroethane	95		91		70-130	4		30
Chloroform	88		85		70-130	3		30
Carbon tetrachloride	93		86		70-130	8		30
1,2-Dichloropropane	92		90		70-130	2		30
Dibromochloromethane	96		94		70-130	2		30
2-Chloroethylvinyl ether	92		90			2		30
1,1,2-Trichloroethane	98		95		70-130	3		30
Tetrachloroethene	105		98		70-130	7		30
Chlorobenzene	99		95		70-130	4		30
Trichlorofluoromethane	89		81		70-139	9		30
1,2-Dichloroethane	78		77		70-130	1		30
1,1,1-Trichloroethane	90		84		70-130	7		30
Bromodichloromethane	85		83		70-130	2		30
trans-1,3-Dichloropropene	96		94		70-130	2		30
cis-1,3-Dichloropropene	89		87		70-130	2		30
1,1-Dichloropropene	96		90		70-130	6		30
Bromoform	94		93		70-130	1		30
1,1,2,2-Tetrachloroethane	98		97		70-130	1		30
Benzene	93		89		70-130	4		30
Toluene	100		95		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305467

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599071-1 WG599071-2								
Ethylbenzene	98		92		70-130	6		30
Chloromethane	126		119		52-130	6		30
Bromomethane	95		90		57-147	5		30
Vinyl chloride	120		112		67-130	7		30
Chloroethane	82		76		50-151	8		30
1,1-Dichloroethene	104		98		65-135	6		30
trans-1,2-Dichloroethene	98		92		70-130	6		30
Trichloroethene	92		87		70-130	6		30
1,2-Dichlorobenzene	100		97		70-130	3		30
1,3-Dichlorobenzene	102		99		70-130	3		30
1,4-Dichlorobenzene	102		98		70-130	4		30
Methyl tert butyl ether	87		86		66-130	1		30
p/m-Xylene	101		96		70-130	5		30
o-Xylene	99		94		70-130	5		30
cis-1,2-Dichloroethene	92		89		70-130	3		30
Dibromomethane	86		82		70-130	5		30
Styrene	96		92		70-130	4		30
Dichlorodifluoromethane	138		125		30-146	10		30
Acetone	117		95		54-140	21		30
Carbon disulfide	103		96		59-130	7		30
2-Butanone	97		86		70-130	12		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305467
Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599071-1 WG599071-2								
Vinyl acetate	84		82		70-130	2		30
4-Methyl-2-pentanone	84		85		70-130	1		30
1,2,3-Trichloropropane	92		90		68-130	2		30
2-Hexanone	90		86		70-130	5		30
Bromochloromethane	94		90		70-130	4		30
2,2-Dichloropropane	91		84		70-130	8		30
1,2-Dibromoethane	96		93		70-130	3		30
1,3-Dichloropropane	97		94		69-130	3		30
1,1,1,2-Tetrachloroethane	98		94		70-130	4		30
Bromobenzene	101		99		70-130	2		30
n-Butylbenzene	102		97		70-130	5		30
sec-Butylbenzene	103		98		70-130	5		30
tert-Butylbenzene	104		98		70-130	6		30
o-Chlorotoluene	101		95		70-130	6		30
p-Chlorotoluene	101		97		70-130	4		30
1,2-Dibromo-3-chloropropane	81		80		68-130	1		30
Hexachlorobutadiene	112		106		67-130	6		30
Isopropylbenzene	102		97		70-130	5		30
p-Isopropyltoluene	104		98		70-130	6		30
Naphthalene	99		97		70-130	2		30
Acrylonitrile	94		94		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305467

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599071-1 WG599071-2								
Isopropyl Ether	93		90		66-130	3		30
tert-Butyl Alcohol	84		85		70-130	1		30
n-Propylbenzene	103		97		70-130	6		30
1,2,3-Trichlorobenzene	106		103		70-130	3		30
1,2,4-Trichlorobenzene	107		104		70-130	3		30
1,3,5-Trimethylbenzene	103		98		70-130	5		30
1,2,4-Trimethylbenzene	102		98		70-130	4		30
Methyl Acetate	91		90		70-130	1		30
Ethyl Acetate	86		85		70-130	1		30
Acrolein	79		77		70-130	3		30
Cyclohexane	110		102		70-130	8		30
1,4-Dioxane	87		86		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	109		100		70-130	9		30
1,4-Diethylbenzene	104		100		70-130	4		30
4-Ethyltoluene	104		99		70-130	5		30
1,2,4,5-Tetramethylbenzene	102		100		70-130	2		30
Tetrahydrofuran	89		90		66-130	1		30
Ethyl ether	78		77		67-130	1		30
trans-1,4-Dichloro-2-butene	90		89		70-130	1		30
Methyl cyclohexane	104		96		70-130	8		30
Ethyl-Tert-Butyl-Ether	89		88		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305467

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG599071-1 WG599071-2								
Tertiary-Amyl Methyl Ether	86		85		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	86		86		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	97		97		70-130

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305467

Project Number: Not Specified **Report Date:** 04/16/13

SAMPLE RESULTS

Lab ID:	L1305467-01	Date Collected:	04/01/13 13:30
Client ID:	E001015	Date Received:	04/01/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/02/13 14:15
Analytical Date:	04/16/13 15:40		
Analyst:	RC		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	1600		ug/kg	60	19.	1
Benzo(a)pyrene	1600		ug/kg	80	24.	1
Benzo(b)fluoranthene	980		ug/kg	60	20.	1
Benzo(k)fluoranthene	1000		ug/kg	60	19.	1
Chrysene	1600		ug/kg	60	20.	1
Indeno(1,2,3-cd)pyrene	910		ug/kg	80	22.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	99		0-136
4-Terphenyl-d14	76		18-120

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305467

Project Number: Not Specified **Report Date:** 04/16/13

SAMPLE RESULTS

Lab ID:	L1305467-02	Date Collected:	04/01/13 13:15
Client ID:	E002015	Date Received:	04/01/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/02/13 14:15
Analytical Date:	04/12/13 13:45		
Analyst:	RC		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	60	20.	1
Benzo(a)pyrene	ND		ug/kg	81	25.	1
Benzo(b)fluoranthene	ND		ug/kg	60	20.	1
Benzo(k)fluoranthene	ND		ug/kg	60	19.	1
Chrysene	ND		ug/kg	60	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	81	22.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		25-120
Phenol-d6	53		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	51		30-120
2,4,6-Tribromophenol	72		0-136
4-Terphenyl-d14	60		18-120

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified
Lab Number: L1305467
Report Date: 04/16/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/03/13 08:41
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 04/02/13 14:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG598994-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	50	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	50	17.
Benzo(k)fluoranthene	ND		ug/kg	50	16.
Chrysene	ND		ug/kg	50	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	50	16.
Dibenzo(a,h)anthracene	ND		ug/kg	50	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		25-120
Phenol-d6	31		10-120
Nitrobenzene-d5	29		23-120
2-Fluorobiphenyl	33		30-120
2,4,6-Tribromophenol	36		0-136
4-Terphenyl-d14	36		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305467
Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG598994-2 WG598994-3								
Bis(2-Ethylhexyl)phthalate	48		46		40-140	4		50
Dimethyl phthalate	48		45		40-140	6		50
Benzo(a)anthracene	50		47		40-140	6		50
Benzo(a)pyrene	51		49		40-140	4		50
Benzo(b)fluoranthene	53		50		40-140	6		50
Benzo(k)fluoranthene	51		48		40-140	6		50
Chrysene	50		48		40-140	4		50
Fluorene	46		44		40-140	4		50
Phenanthrene	48		48		40-140	0		50
Dibenzo(a,h)anthracene	51		49		40-140	4		50
Indeno(1,2,3-cd)Pyrene	49		47		40-140	4		50
2-Chlorophenol	38		37		25-102	3		50
Pentachlorophenol	52		47		17-109	10		50
Phenol	30		29		26-90	3		50
3-Methylphenol/4-Methylphenol	36		36		30-130	0		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305467

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG598994-2 WG598994-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	38		38		25-120
Phenol-d6	36		35		10-120
Nitrobenzene-d5	32		31		23-120
2-Fluorobiphenyl	41		38		30-120
2,4,6-Tribromophenol	58		55		0-136
4-Terphenyl-d14	54		52		18-120

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305467
Project Number: Not Specified
Report Date: 04/16/13

SAMPLE RESULTS

Lab ID: L1305467-01
Client ID: E001015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 83%

Date Collected: 04/01/13 13:30
Date Received: 04/01/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	11		mg/kg	0.48	0.10	1	04/04/13 12:19	04/04/13 17:09	EPA 3050B	1,6010C	BM

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305467
Project Number: Not Specified
Report Date: 04/16/13

SAMPLE RESULTS

Lab ID: L1305467-02
Client ID: E002015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 81%

Date Collected: 04/01/13 13:15
Date Received: 04/01/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	4.5		mg/kg	0.47	0.09	1	04/04/13 12:19	04/04/13 17:57	EPA 3050B	1,6010C	BM

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305467

Project Number: Not Specified **Report Date:** 04/16/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG599508-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Barium, Total	ND		mg/kg	0.40	0.12	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Copper, Total	ND		mg/kg	0.40	0.20	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Lead, Total	ND		mg/kg	2.0	0.12	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Selenium, Total	0.14	J	mg/kg	0.80	0.12	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Silver, Total	ND		mg/kg	0.40	0.08	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM
Zinc, Total	ND		mg/kg	2.0	0.20	1	04/04/13 13:19	04/04/13 16:46	1,6010C	BM

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG599779-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/07/13 12:46	04/08/13 09:42	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305467

Report Date: 04/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG599508-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	88		-		83-118	-		
Beryllium, Total	92		-		83-117	-		
Cadmium, Total	89		-		82-117	-		
Chromium, Total	92		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	95		-		80-120	-		
Nickel, Total	94		-		82-117	-		
Selenium, Total	106		-		80-120	-		
Silver, Total	100		-		66-134	-		
Zinc, Total	103		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG599779-2 SRM Lot Number: 0518-10-02								
Mercury, Total	124		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305467
Report Date: 04/16/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599508-4 QC Sample: L1305464-01 Client ID: MS Sample												
Arsenic, Total	1.0	11.9	13	101		-	-		75-125	-		35
Barium, Total	32.	198	220	95		-	-		75-125	-		35
Beryllium, Total	0.45	4.95	5.0	92		-	-		75-125	-		35
Cadmium, Total	0.23J	5.05	44	87		-	-		75-125	-		35
Chromium, Total	7.9	19.8	26	91		-	-		75-125	-		35
Copper, Total	3.1	24.7	28	101		-	-		75-125	-		35
Lead, Total	2.2J	50.5	51	101		-	-		75-125	-		35
Nickel, Total	8.5	49.5	53	90		-	-		75-125	-		35
Selenium, Total	0.31J	11.9	12	101		-	-		75-125	-		35
Silver, Total	ND	29.7	31	104		-	-		75-125	-		35
Zinc, Total	35.	49.5	77	85		-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599779-4 QC Sample: - Client ID: -												
Mercury, Total	ND	0.188	0.21	112		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305467
Report Date: 04/16/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599508-3 QC Sample: L1305464-01 Client ID: DUP Sample						
Chromium, Total	7.9	7.7	mg/kg	3		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305467
Report Date: 04/16/13

SAMPLE RESULTS

Lab ID: L1305467-01
Client ID: E001015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/01/13 13:30
Date Received: 04/01/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.5		%	0.100	NA	1	-	04/02/13 19:22	30,2540G	RD

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305467
Report Date: 04/16/13

SAMPLE RESULTS

Lab ID: L1305467-02
Client ID: E002015
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/01/13 13:15
Date Received: 04/01/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.4		%	0.100	NA	1	-	04/02/13 19:22	30,2540G	RD

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305467
Report Date: 04/16/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG599072-1 QC Sample: L1305460-01 Client ID: DUP Sample						
Solids, Total	95.6	96.0	%	0		20

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305467
Report Date: 04/16/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 04/02/2013 00:05

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305467-01A	Vial MeOH preserved	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(14)
L1305467-01B	Vial water preserved	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(14)
L1305467-01C	Vial water preserved	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(14)
L1305467-01D	Plastic 2oz unpreserved for TS	A	N/A	2.3	Y	Absent	TS(7)
L1305467-01E	Amber 120ml unpreserved	A	N/A	2.3	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305467-01F	Amber 250ml unpreserved	A	N/A	2.3	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1305467-02A	Vial MeOH preserved	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(14)
L1305467-02B	Vial water preserved	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(14)
L1305467-02C	Vial water preserved	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(14)
L1305467-02D	Plastic 2oz unpreserved for TS	A	N/A	2.3	Y	Absent	TS(7)
L1305467-02E	Amber 120ml unpreserved	A	N/A	2.3	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305467
Report Date: 04/16/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1305467-02F	Amber 250ml unpreserved	A	N/A	2.3	Y	Absent	BE-TI(180),HOLD-CONTINGENCY(14),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)

Container Comments

L1305467-01F

L1305467-02F

*Values in parentheses indicate holding time in days

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305467
Project Number:	Not Specified	**Report Date:**	04/16/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305467
Project Number:	Not Specified	**Report Date:**	04/16/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE OF

ALPHA ANALYTICAL
World Class Chemistry

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab: 4/1/13

ALPHA Job #: L1305467

Client Information

Client: AMO Environmental Decisions
Address: 4327 Pt Pleasant Pk (PO Box 410)
Danboro, PA 18916
Phone: 215-230-8282
Fax: 215-230-8283
Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: BASF Glens Falls New York
Project Location: Glens Falls New York
Project #:
Project Manager: P. Malmquist
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/8/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:
Detection limits to meet NYSDEC Part 375 Requirements (Unrestricted)
Find %Moisture of each aliquot and calculate average for use as %Moisture of associated composite sample

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs-See attached list	Hexavalent Chromium-Hold	Cyanide-Hold	Metals-See attached list-Hold	PCBs-Hold	SVOCs-See atached list-Hold							Sample Specific Comments	TOTAL # BOTTLES
05467-01	E001015	4/1	1330	S	[illegible]	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		
-02	E002015	4/1	1315	S	[illegible]	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		
Container Type						-	-	-	-	-	-	-	-	-	-	-	-		
Preservative						-	-	-	-	-	-	-	-	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/1 1600	[signature]	4/1/13 1600
[signature]	4/1/13 2100	Kyle Cunningham	4/1/13 2100
Kyle Cunningham	4/1/13 23:40	[signature]	4/1/13 23:40

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ)
(rev. 5-JAN-12)

BASF Corporation
Glens Falls, New York

Supplemental Chain of Custody

Fraction	Parameter	CAS	UNRESTRCT	RES	REST_RES	COMM	IND	ECO_PROT	GW_PROT	Alpha-RL	Alpha-MDL
Inorganic-Cyanide	Cyanide, total	57-12-5	27.000000	27.000000	27.000000	27.000000	10000.000000	999999.999000	40.000000	1.000000	0.234000
Metal	Arsenic	7440-38-2	13.000000	16.000000	16.000000	16.000000	16.000000	13.000000	16.000000	0.400000	0.136900
Metal	Barium	7440-39-3	350.000000	350.000000	400.000000	400.000000	10000.000000	433.000000	820.000000	0.400000	0.109000
Metal	Beryllium	7440-41-7	7.200000	14.000000	72.000000	590.000000	2700.000000	10.000000	47.000000	0.200000	0.014000
Metal	Cadmium	7440-43-9	2.500000	2.500000	4.300000	9.300000	60.000000	4.000000	7.500000	0.400000	0.025000
Metal	Copper	7440-50-8	50.000000	270.000000	270.000000	270.000000	10000.000000	50.000000	1720.000000	0.400000	0.185000
Metal	Lead	7439-92-1	63.000000	400.000000	400.000000	1000.000000	3900.000000	63.000000	450.000000	2.000000	0.112000
Metal	Nickel	7440-02-0	30.000000	140.000000	310.000000	310.000000	10000.000000	30.000000	130.000000	1.000000	0.157800
Metal	Selenium	7782-49-2	3.900000	36.000000	180.000000	1500.000000	6800.000000	3.900000	4.000000	0.800000	0.131000
Metal	Silver	7440-22-4	2.000000	36.000000	180.000000	1500.000000	6800.000000	2.000000	8.300000	0.400000	0.080000
Metal	Zinc	7440-66-6	109.000000	2200.000000	10000.000000	10000.000000	10000.000000	109.000000	2480.000000	2.000000	0.216000
Metal	Chromium	7440-47-3	1.000000	22.000000	110.000000	400.000000	800.000000	1.000000	19.000000	0.400000	0.018000
Metal	Chromium, Hexavalent	18540-29-9	1.000000	22.000000	110.000000	400.000000	800.000000	1.000000	19.000000	0.800000	0.160000
Metal	Mercury	7439-97-6	0.180000	0.810000	0.810000	2.800000	5.700000	0.180000	0.730000	0.080000	0.017000
PCBs	PCBs (Total)	1336-36-3	0.100000	1.000000	1.000000	1.000000	25.000000	1.000000	3.200000	0.033300	0.010045
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	0.167000	0.039000
SVOC	Dimethyl phthalate	131-11-3	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	0.167000	0.026000
SVOC-PAH	Benzo(a)anthracene	56-55-3	1.000000	1.000000	1.000000	5.600000	11.000000	999999.999000	1.000000	0.100000	0.030000
SVOC-PAH	Benzo(a)pyrene	50-32-8	1.000000	1.000000	1.000000	1.000000	1.100000	2.600000	22.000000	0.133000	0.026000
SVOC-PAH	Benzo(b) fluoranthene	205-99-2	1.000000	1.000000	1.000000	5.600000	11.000000	999999.999000	1.700000	0.100000	0.029000
SVOC-PAH	Benzo(k) fluoranthene	207-08-9	0.800000	1.000000	3.900000	56.000000	110.000000	999999.999000	1.700000	0.100000	0.031000
SVOC-PAH	Chrysene	218-01-9	1.000000	1.000000	3.900000	56.000000	110.000000	999999.999000	1.000000	0.100000	0.032000
SVOC-PAH	Dibenzo(ah) anthracene	53-70-3	0.330000	0.330000	0.330000	0.560000	1.100000	999999.999000	1000.000000	0.100000	0.031000
SVOC-PAH	Fluorene	86-73-7	30.000000	100.000000	100.000000	500.000000	1000.000000	30.000000	386.000000	0.167000	0.032000
SVOC-PAH	Indeno(1,2,3-cd)pyrene	193-39-5	0.500000	0.500000	0.500000	5.600000	11.000000	999999.999000	8.200000	0.133000	0.037000
SVOC-PAH	Phenanthrene	85-01-8	100.000000	100.000000	100.000000	500.000000	1000.000000	999999.999000	1000.000000	0.100000	0.027000
SVOC-Phenol	2-Chlorophenol	95-57-81	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	0.167000	0.037000
SVOC-Phenol	4-Methylphenol	106-44-5	0.330000	34.000000	100.000000	500.000000	1000.000000	999999.999000	0.330000	0.233000	0.042000
SVOC-Phenol	Pentachlorophenol	87-86-5	0.800000	2.400000	6.700000	6.700000	55.000000	0.800000	0.800000	0.133000	0.035000
SVOC-Phenol	Phenol	108-95-2	0.330000	100.000000	100.000000	500.000000	1000.000000	30.000000	0.330000	0.167000	0.040000
VOC	1,2-Dichlorobenzene	95-50-1	1.100000	100.000000	100.000000	500.000000	1000.000000	999999.999000	1.100000	0.004000	0.001830
VOC	1,2-Dichloroethane	107-06-2	0.020000	2.300000	3.100000	30.000000	60.000000	10.000000	0.020000	0.001000	0.000146
VOC	1,3-Dichlorobenzene	541-73-1	2.400000	17.000000	49.000000	280.000000	560.000000	999999.999000	2.400000	0.004000	0.000183
VOC	1,4-Dichlorobenzene	106-46-7	1.800000	9.800000	13.000000	130.000000	250.000000	20.000000	1.800000	0.004000	0.000242
VOC	Benzene	71-43-2	0.060000	2.900000	4.800000	44.000000	89.000000	70.000000	0.060000	0.001000	0.000118
VOC	Carbon Tetrachloride	56-23-5	0.760000	1.400000	2.400000	22.000000	44.000000	999999.999000	0.760000	0.001000	0.000210
VOC	Chlorobenzene	108-90-7	1.100000	100.000000	100.000000	500.000000	1000.000000	40.000000	1.100000	0.001000	0.000348
VOC	Chloroform	67-66-3	0.370000	10.000000	49.000000	350.000000	700.000000	12.000000	0.370000	0.001500	0.000348
VOC	Chloromethane	74-87-3	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	0.004000	0.000168
VOC	cis-1,2-Dichloroethene	156-59-2	0.250000	59.000000	100.000000	500.000000	1000.000000	999999.999000	0.250000	0.001000	0.000149
VOC	Ethylbenzene	100-41-4	1.000000	30.000000	41.000000	390.000000	780.000000	999999.999000	1.000000	0.001000	0.000147
VOC	Toluene	108-88-3	0.700000	100.000000	100.000000	500.000000	1000.000000	36.000000	0.700000	0.001500	0.000112
VOC	trans-1,2-Dichloroethene	156-60-5	0.190000	100.000000	100.000000	500.000000	1000.000000	999999.999000	0.190000	0.001500	0.000212
VOC	Trichloroethene	79-01-6	0.470000	10.000000	21.000000	200.000000	400.000000	2.000000	0.470000	0.001000	0.000152
VOC	Vinyl chloride	75-01-4	0.020000	0.210000	0.900000	13.000000	27.000000	999999.999000	0.020000	0.002000	0.000820

ANALYTICAL REPORT

Lab Number:	L1305466
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS NEW YORK
Project Number:	Not Specified
Report Date:	04/09/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305466
Report Date: 04/09/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1305466-01	E008E003	GLENS FALLS NEW YORK	04/01/13 13:45

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305466
Project Number: Not Specified **Report Date:** 04/09/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305466
Project Number:	Not Specified	**Report Date:**	04/09/13

Case Narrative (continued)

Report Submission

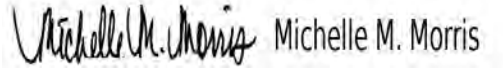
All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

At the client's request, the sample was not analyzed for PCBs.

Solids, Total

L1305466-01: The average results from the original samples is reported; the Duplicate was performed with original batch.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Michelle M. Morris

Title: Technical Director/Representative Date: 04/09/13

ORGANICS

SEMIVOLATILES

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305466

Project Number: Not Specified **Report Date:** 04/09/13

SAMPLE RESULTS

Lab ID:	L1305466-01	Date Collected:	04/01/13 13:45
Client ID:	E008E003	Date Received:	04/01/13
Sample Location:	GLENS FALLS NEW YORK	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	04/02/13 14:15
Analytical Date:	04/03/13 10:01		
Analyst:	RC		
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	56.	1
Dimethyl phthalate	ND		ug/kg	210	54.	1
Benzo(a)anthracene	ND		ug/kg	130	42.	1
Benzo(a)pyrene	ND		ug/kg	170	52.	1
Benzo(b)fluoranthene	ND		ug/kg	130	43.	1
Benzo(k)fluoranthene	ND		ug/kg	130	41.	1
Chrysene	ND		ug/kg	130	42.	1
Fluorene	ND		ug/kg	210	61.	1
Phenanthrene	ND		ug/kg	130	42.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	41.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	47.	1
2-Chlorophenol	ND		ug/kg	210	64.	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	70.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	96		0-136
4-Terphenyl-d14	88		18-120

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305466
Report Date: 04/09/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/03/13 08:41
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 04/02/13 14:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG598994-1					
Bis(2-ethylhexyl)phthalate	ND		ug/kg	82	22.
Dimethyl phthalate	ND		ug/kg	82	21.
Benzo(a)anthracene	ND		ug/kg	50	16.
Benzo(a)pyrene	ND		ug/kg	66	20.
Benzo(b)fluoranthene	ND		ug/kg	50	17.
Benzo(k)fluoranthene	ND		ug/kg	50	16.
Chrysene	ND		ug/kg	50	16.
Fluorene	ND		ug/kg	82	24.
Phenanthrene	ND		ug/kg	50	16.
Dibenzo(a,h)anthracene	ND		ug/kg	50	16.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	66	18.
2-Chlorophenol	ND		ug/kg	82	25.
Pentachlorophenol	ND		ug/kg	66	18.
Phenol	ND		ug/kg	82	24.
3-Methylphenol/4-Methylphenol	ND		ug/kg	120	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		25-120
Phenol-d6	31		10-120
Nitrobenzene-d5	29		23-120
2-Fluorobiphenyl	33		30-120
2,4,6-Tribromophenol	36		0-136
4-Terphenyl-d14	36		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305466

Report Date: 04/09/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG598994-2 WG598994-3								
Bis(2-Ethylhexyl)phthalate	48		46		40-140	4		50
Dimethyl phthalate	48		45		40-140	6		50
Benzo(a)anthracene	50		47		40-140	6		50
Benzo(a)pyrene	51		49		40-140	4		50
Benzo(b)fluoranthene	53		50		40-140	6		50
Benzo(k)fluoranthene	51		48		40-140	6		50
Chrysene	50		48		40-140	4		50
Fluorene	46		44		40-140	4		50
Phenanthrene	48		48		40-140	0		50
Dibenzo(a,h)anthracene	51		49		40-140	4		50
Indeno(1,2,3-cd)Pyrene	49		47		40-140	4		50
2-Chlorophenol	38		37		25-102	3		50
Pentachlorophenol	52		47		17-109	10		50
Phenol	30		29		26-90	3		50
3-Methylphenol/4-Methylphenol	36		36		30-130	0		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305466

Report Date: 04/09/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG598994-2 WG598994-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	38		38		25-120
Phenol-d6	36		35		10-120
Nitrobenzene-d5	32		31		23-120
2-Fluorobiphenyl	41		38		30-120
2,4,6-Tribromophenol	58		55		0-136
4-Terphenyl-d14	54		52		18-120

METALS

Project Name: BASF GLENS FALLS NEW YORK
Lab Number: L1305466
Project Number: Not Specified
Report Date: 04/09/13

SAMPLE RESULTS

Lab ID: L1305466-01
Client ID: E008E003
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil
Percent Solids: 77%

Date Collected: 04/01/13 13:45
Date Received: 04/01/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.4		mg/kg	0.49	0.15	2	04/04/13 12:19	04/08/13 17:16	EPA 3050B	1,6010C	MS
Barium, Total	61		mg/kg	0.49	0.15	2	04/04/13 12:19	04/08/13 17:16	EPA 3050B	1,6010C	MS
Beryllium, Total	0.62		mg/kg	0.25	0.02	2	04/04/13 12:19	04/08/13 17:16	EPA 3050B	1,6010C	MS
Cadmium, Total	0.34	J	mg/kg	0.49	0.03	2	04/04/13 12:19	04/08/13 17:16	EPA 3050B	1,6010C	MS
Chromium, Total	18		mg/kg	0.49	0.10	2	04/04/13 12:19	04/08/13 17:16	EPA 3050B	1,6010C	MS
Copper, Total	11		mg/kg	0.49	0.25	2	04/04/13 12:19	04/08/13 17:16	EPA 3050B	1,6010C	MS
Lead, Total	8.2		mg/kg	2.5	0.15	2	04/04/13 12:19	04/08/13 17:16	EPA 3050B	1,6010C	MS
Mercury, Total	0.06	J	mg/kg	0.10	0.02	2	04/07/13 12:46	04/08/13 11:23	EPA 7471B	1,7471B	MC
Nickel, Total	14		mg/kg	1.2	0.20	2	04/04/13 12:19	04/08/13 17:16	EPA 3050B	1,6010C	MS
Selenium, Total	0.98	J	mg/kg	0.99	0.15	2	04/04/13 12:19	04/08/13 17:16	EPA 3050B	1,6010C	MS
Silver, Total	ND		mg/kg	0.49	0.10	2	04/04/13 12:19	04/08/13 17:16	EPA 3050B	1,6010C	MS
Zinc, Total	45		mg/kg	2.5	0.25	2	04/04/13 12:19	04/08/13 17:16	EPA 3050B	1,6010C	MS

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305466

Project Number: Not Specified **Report Date:** 04/09/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG599508-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Barium, Total	ND		mg/kg	0.40	0.12	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Beryllium, Total	ND		mg/kg	0.20	0.02	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Cadmium, Total	ND		mg/kg	0.40	0.02	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Copper, Total	ND		mg/kg	0.40	0.20	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Lead, Total	ND		mg/kg	2.0	0.12	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Selenium, Total	0.14	J	mg/kg	0.80	0.12	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Silver, Total	ND		mg/kg	0.40	0.08	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM
Zinc, Total	ND		mg/kg	2.0	0.20	1	04/04/13 12:19	04/04/13 16:46	1,6010C	BM

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG599779-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/07/13 12:46	04/08/13 09:42	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305466

Report Date: 04/09/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG599508-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	88		-		83-118	-		
Beryllium, Total	92		-		83-117	-		
Cadmium, Total	89		-		82-117	-		
Chromium, Total	92		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	95		-		80-120	-		
Nickel, Total	94		-		82-117	-		
Selenium, Total	106		-		80-120	-		
Silver, Total	100		-		66-134	-		
Zinc, Total	103		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG599779-2 SRM Lot Number: 0518-10-02								
Mercury, Total	124		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305466
Report Date: 04/09/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599508-4 QC Sample: L1305464-01 Client ID: MS Sample												
Arsenic, Total	1.0	11.9	13	101		-	-		75-125	-		35
Barium, Total	32.	198	220	95		-	-		75-125	-		35
Beryllium, Total	0.45	4.95	5.0	92		-	-		75-125	-		35
Cadmium, Total	0.23J	5.05	44	87		-	-		75-125	-		35
Chromium, Total	7.9	19.8	26	91		-	-		75-125	-		35
Copper, Total	3.1	24.7	28	101		-	-		75-125	-		35
Lead, Total	2.2J	50.5	51	101		-	-		75-125	-		35
Nickel, Total	8.5	49.5	53	90		-	-		75-125	-		35
Selenium, Total	0.31J	11.9	12	101		-	-		75-125	-		35
Silver, Total	ND	29.7	31	104		-	-		75-125	-		35
Zinc, Total	35.	49.5	77	85		-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599779-4 QC Sample: L1305464-01 Client ID: MS Sample												
Mercury, Total	0.02J	0.188	0.21	112		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305466
Report Date: 04/09/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599508-3 QC Sample: L1305464-01 Client ID: DUP Sample						
Arsenic, Total	1.0	1.0	mg/kg	0		35
Barium, Total	32.	29	mg/kg	10		35
Beryllium, Total	0.45	0.34	mg/kg	28		35
Cadmium, Total	0.23J	0.16J	mg/kg	NC		35
Chromium, Total	7.9	7.7	mg/kg	3		35
Copper, Total	3.1	3.1	mg/kg	0		35
Lead, Total	2.2J	2.0J	mg/kg	NC		35
Nickel, Total	8.5	7.7	mg/kg	10		35
Selenium, Total	0.31J	ND	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Zinc, Total	35.	28	mg/kg	22		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599779-3 QC Sample: L1305464-01 Client ID: DUP Sample						
Mercury, Total	0.02J	ND	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305466
Report Date: 04/09/13

SAMPLE RESULTS

Lab ID: L1305466-01
Client ID: E008E003
Sample Location: GLENS FALLS NEW YORK
Matrix: Soil

Date Collected: 04/01/13 13:45
Date Received: 04/01/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.7		%	0.100	NA	1	-	04/02/13 19:22	30,2540G	RD
Cyanide, Total	ND		mg/kg	1.3	0.30	2	04/03/13 10:08	04/04/13 15:23	1,9010C/9012A	JO

Project Name: BASF GLENS FALLS NEW YORK **Lab Number:** L1305466

Project Number: Not Specified **Report Date:** 04/09/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG599325-1										
Cyanide, Total	ND		mg/kg	0.94	0.22	1	04/03/13 10:08	04/04/13 15:16	1,9010C/9012A	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK

Project Number: Not Specified

Lab Number: L1305466

Report Date: 04/09/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG599325-4 WG599325-5								
Cyanide, Total	111		113		80-120	2		35

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS NEW YORK
Project Number: Not Specified

Lab Number: L1305466
Report Date: 04/09/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG599325-3 WG599325-2 QC Sample: L1305611-20 Client ID: MS Sample												
Cyanide, Total	ND	10	11	100		12	110		65-135	9		35

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305466
Project Number:	Not Specified	**Report Date:**	04/09/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305466
Project Number:	Not Specified	**Report Date:**	04/09/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	BASF GLENS FALLS NEW YORK	**Lab Number:**	L1305466
Project Number:	Not Specified	**Report Date:**	04/09/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE OF

ALPHA ANALYTICAL World Class Chemistry

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/1/13

ALPHA Job #: L1305466

Project Information

Project Name: BASF Glens Falls New York

Project Location: Glens Falls New York

Project #:

Project Manager: P. Malmquist

ALPHA Quote #:

Client Information

Client: AMO Environmental Decisions

Address: 4327 Pt Pleasant Pk (PO Box 410)

Danboro, PA 18916

Phone: 215-230-8282

Fax: 215-230-8283

Email: pmalmquist@amoed.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4/8/13 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☒ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	See Attached Supplemental Chain of Custody

Other Project Specific Requirements/Comments/Detection Limits:
Extract/Digest Sample E00305 and Sample E003015.
Composite and analyze Extract/Digestate as Sample inidicated below.
Detection limits to meet NYSDEC Part 375 Requirements (0.5 x Unrestricted)
Use average of associated aliquot %Moisture for result calculations

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☒ Lab to do
(Please specify below)

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cyanide	Metals-See attached list (no Cr6+)	PCBs	SVOCs-See attached list									Sample Specific Comments	TOTAL # BOTTLES
05466-01	E008E003	4/1	1345	S	SK	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐		

Container Type	-	-	-	-	-	-	-	-	-	-	-	-	
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/1 1600	[signature]	4/1/13 1600
Robert Haner	4/1/13 2100	Kyle Cunningham	4/1/13 2100
Kyle Cunningham	4/1/13 23:40	[signature]	4/1/13 23:40

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 5-JAN-12)

BASF Corporation
Glens Falls, New York

Supplemental Chain of Custody

Fraction	Parameter	CAS	UNRESTRCT	RES	REST_RES	COMM	IND	ECO_PROT	GW_PROT	Alpha-RL	Alpha-MDL
Inorganic-Cyanide	Cyanide, total	57-12-5	27.000000	27.000000	27.000000	27.000000	10000.000000	999999.999000	40.000000	1.000000	0.234000
Metal	Arsenic	7440-38-2	13.000000	16.000000	16.000000	16.000000	16.000000	13.000000	16.000000	0.400000	0.136900
Metal	Barium	7440-39-3	350.000000	350.000000	400.000000	400.000000	10000.000000	433.000000	820.000000	0.400000	0.109000
Metal	Beryllium	7440-41-7	7.200000	14.000000	72.000000	590.000000	2700.000000	10.000000	47.000000	0.200000	0.014000
Metal	Cadmium	7440-43-9	2.500000	2.500000	4.300000	9.300000	60.000000	4.000000	7.500000	0.400000	0.025000
Metal	Copper	7440-50-8	50.000000	270.000000	270.000000	270.000000	10000.000000	50.000000	1720.000000	0.400000	0.185000
Metal	Lead	7439-92-1	63.000000	400.000000	400.000000	1000.000000	3900.000000	63.000000	450.000000	2.000000	0.112000
Metal	Nickel	7440-02-0	30.000000	140.000000	310.000000	310.000000	10000.000000	30.000000	130.000000	1.000000	0.157800
Metal	Selenium	7782-49-2	3.900000	36.000000	180.000000	1500.000000	6800.000000	3.900000	4.000000	0.800000	0.131000
Metal	Silver	7440-22-4	2.000000	36.000000	180.000000	1500.000000	6800.000000	2.000000	8.300000	0.400000	0.080000
Metal	Zinc	7440-66-6	109.000000	2200.000000	10000.000000	10000.000000	10000.000000	109.000000	2480.000000	2.000000	0.216000
Metal	Chromium	7440-47-3	1.000000	22.000000	110.000000	400.000000	800.000000	1.000000	19.000000	0.400000	0.018000
Metal	Chromium, Hexavalent	18540-29-9	1.000000	22.000000	110.000000	400.000000	800.000000	1.000000	19.000000	0.800000	0.160000
Metal	Mercury	7439-97-6	0.180000	0.810000	0.810000	2.800000	5.700000	0.180000	0.730000	0.080000	0.017000
PCBs	PCBs (Total)	1336-36-3	0.100000	1.000000	1.000000	1.000000	25.000000	1.000000	3.200000	0.033300	0.010045
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	0.167000	0.039000
SVOC	Dimethyl phthalate	131-11-3	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	0.167000	0.026000
SVOC-PAH	Benzo(a)anthracene	56-55-3	1.000000	1.000000	1.000000	5.600000	11.000000	999999.999000	1.000000	0.100000	0.030000
SVOC-PAH	Benzo(a)pyrene	50-32-8	1.000000	1.000000	1.000000	1.000000	1.100000	2.600000	22.000000	0.133000	0.026000
SVOC-PAH	Benzo(b) fluoranthene	205-99-2	1.000000	1.000000	1.000000	5.600000	11.000000	999999.999000	1.700000	0.100000	0.029000
SVOC-PAH	Benzo(k) fluoranthene	207-08-9	0.800000	1.000000	3.900000	56.000000	110.000000	999999.999000	1.700000	0.100000	0.031000
SVOC-PAH	Chrysene	218-01-9	1.000000	1.000000	3.900000	56.000000	110.000000	999999.999000	1.000000	0.100000	0.032000
SVOC-PAH	Dibenzo(ah) anthracene	53-70-3	0.330000	0.330000	0.330000	0.560000	1.100000	999999.999000	1000.000000	0.100000	0.031000
SVOC-PAH	Fluorene	86-73-7	30.000000	100.000000	100.000000	500.000000	1000.000000	30.000000	386.000000	0.167000	0.032000
SVOC-PAH	Indeno(1,2,3-cd)pyrene	193-39-5	0.500000	0.500000	0.500000	5.600000	11.000000	999999.999000	8.200000	0.133000	0.037000
SVOC-PAH	Phenanthrene	85-01-8	100.000000	100.000000	100.000000	500.000000	1000.000000	999999.999000	1000.000000	0.100000	0.027000
SVOC-Phenol	2-Chlorophenol	95-57-81	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	0.167000	0.037000
SVOC-Phenol	4-Methylphenol	106-44-5	0.330000	34.000000	100.000000	500.000000	1000.000000	999999.999000	0.330000	0.233000	0.042000
SVOC-Phenol	Pentachlorophenol	87-86-5	0.800000	2.400000	6.700000	6.700000	55.000000	0.800000	0.800000	0.133000	0.035000
SVOC-Phenol	Phenol	108-95-2	0.330000	100.000000	100.000000	500.000000	1000.000000	30.000000	0.330000	0.167000	0.040000
VOC	1,2-Dichlorobenzene	95-50-1	1.100000	100.000000	100.000000	500.000000	1000.000000	999999.999000	1.100000	0.004000	0.001830
VOC	1,2-Dichloroethane	107-06-2	0.020000	2.300000	3.100000	30.000000	60.000000	10.000000	0.020000	0.001000	0.000146
VOC	1,3-Dichlorobenzene	541-73-1	2.400000	17.000000	49.000000	280.000000	560.000000	999999.999000	2.400000	0.004000	0.000183
VOC	1,4-Dichlorobenzene	106-46-7	1.800000	9.800000	13.000000	130.000000	250.000000	20.000000	1.800000	0.004000	0.000242
VOC	Benzene	71-43-2	0.060000	2.900000	4.800000	44.000000	89.000000	70.000000	0.060000	0.001000	0.000118
VOC	Carbon Tetrachloride	56-23-5	0.760000	1.400000	2.400000	22.000000	44.000000	999999.999000	0.760000	0.001000	0.000210
VOC	Chlorobenzene	108-90-7	1.100000	100.000000	100.000000	500.000000	1000.000000	40.000000	1.100000	0.001000	0.000348
VOC	Chloroform	67-66-3	0.370000	10.000000	49.000000	350.000000	700.000000	12.000000	0.370000	0.001500	0.000348
VOC	Chloromethane	74-87-3	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	999999.999000	0.004000	0.000168
VOC	cis-1,2-Dichloroethene	156-59-2	0.250000	59.000000	100.000000	500.000000	1000.000000	999999.999000	0.250000	0.001000	0.000149
VOC	Ethylbenzene	100-41-4	1.000000	30.000000	41.000000	390.000000	780.000000	999999.999000	1.000000	0.001000	0.000147
VOC	Toluene	108-88-3	0.700000	100.000000	100.000000	500.000000	1000.000000	36.000000	0.700000	0.001500	0.000112
VOC	trans-1,2-Dichloroethene	156-60-5	0.190000	100.000000	100.000000	500.000000	1000.000000	999999.999000	0.190000	0.001500	0.000212
VOC	Trichloroethene	79-01-6	0.470000	10.000000	21.000000	200.000000	400.000000	2.000000	0.470000	0.001000	0.000152
VOC	Vinyl chloride	75-01-4	0.020000	0.210000	0.900000	13.000000	27.000000	999999.999000	0.020000	0.002000	0.000820

APPENDIX B

Pre-Removal Delineation (November 2013)

Laboratory Data Package

ANALYTICAL REPORT

Lab Number:	L1323348
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS, NY
Project Number:	Not Specified
Report Date:	12/04/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1323348
Report Date: 12/04/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1323348-01	N002N01015	BASF GLENS FALLS, NY	11/13/13 12:40
L1323348-02	N002N02015	BASF GLENS FALLS, NY	11/13/13 13:00
L1323348-03	N002N03015	BASF GLENS FALLS, NY	11/13/13 12:50
L1323348-04	N002S01015	BASF GLENS FALLS, NY	11/13/13 11:40
L1323348-05	N002S02015	BASF GLENS FALLS, NY	11/13/13 11:50
L1323348-06	N002S03015	BASF GLENS FALLS, NY	11/13/13 12:00
L1323348-07	N002E01015	BASF GLENS FALLS, NY	11/13/13 11:35
L1323348-08	N002E02015	BASF GLENS FALLS, NY	11/13/13 11:25
L1323348-09	N002E03015	BASF GLENS FALLS, NY	11/13/13 11:15
L1323348-10	N002W01015	BASF GLENS FALLS, NY	11/13/13 12:10
L1323348-11	N002W02015	BASF GLENS FALLS, NY	11/13/13 12:20
L1323348-12	N002W03015	BASF GLENS FALLS, NY	11/13/13 12:30
L1323348-13	N002B01025	BASF GLENS FALLS, NY	11/13/13 11:30
L1323348-14	N002B01035	BASF GLENS FALLS, NY	11/13/13 11:35
L1323348-15	N002B01045	BASF GLENS FALLS, NY	11/13/13 11:40
L1323348-16	FB1113	BASF GLENS FALLS, NY	11/13/13 12:15
L1323348-17	P005B01025	BASF GLENS FALLS, NY	11/13/13 13:25
L1323348-18	P005B01035	BASF GLENS FALLS, NY	11/13/13 13:35
L1323348-19	P005B01045	BASF GLENS FALLS, NY	11/13/13 13:40
L1323348-20	DUP1113	BASF GLENS FALLS, NY	11/13/13 00:00
L1323348-21	P005N01015	BASF GLENS FALLS, NY	11/13/13 13:20
L1323348-22	P005N02015	BASF GLENS FALLS, NY	11/13/13 13:25
L1323348-23	P005N03015	BASF GLENS FALLS, NY	11/13/13 13:40
L1323348-24	P005E01015	BASF GLENS FALLS, NY	11/13/13 13:45
L1323348-25	P005E02015	BASF GLENS FALLS, NY	11/13/13 13:50
L1323348-26	P005E03015	BASF GLENS FALLS, NY	11/13/13 14:00
L1323348-27	P005W01015	BASF GLENS FALLS, NY	11/13/13 13:45
L1323348-28	P005W02015	BASF GLENS FALLS, NY	11/13/13 13:50
L1323348-29	P005W03015	BASF GLENS FALLS, NY	11/13/13 13:55
L1323348-30	P005S01015	BASF GLENS FALLS, NY	11/13/13 14:00
L1323348-31	P005S02015	BASF GLENS FALLS, NY	11/13/13 14:10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1323348-32	P005S03015	BASF GLENS FALLS, NY	11/13/13 14:05
L1323348-33	P004B01025	BASF GLENS FALLS, NY	11/14/13 09:30
L1323348-34	P004B01035	BASF GLENS FALLS, NY	11/14/13 09:40
L1323348-35	P004B01045	BASF GLENS FALLS, NY	11/14/13 09:50
L1323348-36	P004N01015	BASF GLENS FALLS, NY	11/14/13 09:30
L1323348-37	P004N02015	BASF GLENS FALLS, NY	11/14/13 09:35
L1323348-38	P004N03015	BASF GLENS FALLS, NY	11/14/13 09:40
L1323348-39	P004E01015	BASF GLENS FALLS, NY	11/14/13 09:45
L1323348-40	P004E02015	BASF GLENS FALLS, NY	11/14/13 09:50
L1323348-41	P004E03015	BASF GLENS FALLS, NY	11/14/13 09:55
L1323348-42	P004W01015	BASF GLENS FALLS, NY	11/14/13 10:00
L1323348-43	P004W02015	BASF GLENS FALLS, NY	11/14/13 10:10
L1323348-44	P004W03015	BASF GLENS FALLS, NY	11/14/13 10:20
L1323348-45	P004S01015	BASF GLENS FALLS, NY	11/14/13 10:00
L1323348-46	P004S02015	BASF GLENS FALLS, NY	11/14/13 10:10
L1323348-47	P004S03015	BASF GLENS FALLS, NY	11/14/13 10:20
L1323348-48	FB1114	BASF GLENS FALLS, NY	11/14/13 09:20

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1323348
Report Date: 12/04/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	BASF GLENS FALLS, NY	**Lab Number:**	L1323348
Project Number:	Not Specified	**Report Date:**	12/04/13

Case Narrative (continued)

Report Submission

This final report replaces the partial report issued on December 2, 2013. Cadmium analysis has been added to L1323348-44.

A previously-issued partial report replaced the partial report issued on November 21, 2013. Cadmium analysis was added to L1323348-22, -34, -40, -43 and -46; and Barium, Mercury and Lead were added to L1323348-16.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Metals

The WG656033-4 MS recovery, performed on L1323348-44, is below the acceptance criteria for cadmium (67%). A post digestion spike was performed with an unacceptable recovery of 64%. This has been attributed to sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 12/04/13

METALS

Project Name: BASF GLENS FALLS, NY
Lab Number: L1323348
Project Number: Not Specified
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-01
Client ID: N002N01015
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil
Percent Solids: 74%

Date Collected: 11/13/13 12:40
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	6.9		mg/kg	0.52	0.04	1	11/19/13 14:15	11/20/13 13:36	EPA 3050B	1,6010C	MG

Project Name: BASF GLENS FALLS, NY
Lab Number: L1323348
Project Number: Not Specified
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-04
Client ID: N002S01015
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil
Percent Solids: 81%

Date Collected: 11/13/13 11:40
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	1.5		mg/kg	0.48	0.03	1	11/19/13 14:15	11/20/13 13:39	EPA 3050B	1,6010C	MG

Project Name: BASF GLENS FALLS, NY
Lab Number: L1323348
Project Number: Not Specified
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-07
Client ID: N002E01015
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil
Percent Solids: 86%

Date Collected: 11/13/13 11:35
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	0.59		mg/kg	0.45	0.03	1	11/19/13 14:15	11/20/13 13:43	EPA 3050B	1,6010C	MG

Project Name: BASF GLENS FALLS, NY
Lab Number: L1323348
Project Number: Not Specified
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-10
Client ID: N002W01015
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil
Percent Solids: 76%

Date Collected: 11/13/13 12:10
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	0.53		mg/kg	0.50	0.04	1	11/19/13 14:15	11/20/13 13:46	EPA 3050B	1,6010C	MG

Project Name: BASF GLENS FALLS, NY
Lab Number: L1323348
Project Number: Not Specified
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-13
Client ID: N002B01025
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil
Percent Solids: 78%

Date Collected: 11/13/13 11:30
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	0.73		mg/kg	0.48	0.03	1	11/19/13 14:15	11/20/13 13:50	EPA 3050B	1,6010C	MG

Project Name: BASF GLENS FALLS, NY
Lab Number: L1323348
Project Number: Not Specified
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-16
Client ID: FB1113
Sample Location: BASF GLENS FALLS, NY
Matrix: Water

Date Collected: 11/13/13 12:15
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Barium, Total	0.00011	J	mg/l	0.00050	0.00010	1	11/19/13 12:51	11/20/13 21:39	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	11/19/13 12:51	11/20/13 21:39	EPA 3005A	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	11/19/13 12:51	11/20/13 21:39	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	11/30/13 06:55	11/30/13 11:19	EPA 7470A	1,7470A	DR

Project Name: BASF GLENS FALLS, NY
Lab Number: L1323348
Project Number: Not Specified
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-17
Client ID: P005B01025
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil
Percent Solids: 70%

Date Collected: 11/13/13 13:25
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Barium, Total	170		mg/kg	0.55	0.16	1	11/19/13 14:15	11/20/13 15:49	EPA 3050B	1,6010C	MG
Cadmium, Total	1.2		mg/kg	0.55	0.04	1	11/19/13 14:15	11/20/13 15:49	EPA 3050B	1,6010C	MG
Lead, Total	19		mg/kg	2.8	0.11	1	11/19/13 14:15	11/20/13 15:49	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.12	0.02	1	11/21/13 07:47	11/21/13 10:53	EPA 7471B	1,7471B	MC

Project Name: BASF GLENS FALLS, NY
Lab Number: L1323348
Project Number: Not Specified
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-20
Client ID: DUP1113
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil
Percent Solids: 71%

Date Collected: 11/13/13 00:00
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Barium, Total	180		mg/kg	0.53	0.16	1	11/19/13 14:15	11/20/13 15:52	EPA 3050B	1,6010C	MG
Cadmium, Total	1.0		mg/kg	0.53	0.04	1	11/19/13 14:15	11/20/13 15:52	EPA 3050B	1,6010C	MG
Lead, Total	13		mg/kg	2.7	0.11	1	11/19/13 14:15	11/20/13 15:52	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.10	0.02	1	11/21/13 07:47	11/21/13 11:01	EPA 7471B	1,7471B	MC

Project Name: BASF GLENS FALLS, NY
Lab Number: L1323348
Project Number: Not Specified
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-21
Client ID: P005N01015
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil
Percent Solids: 80%

Date Collected: 11/13/13 13:20
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Barium, Total	75		mg/kg	0.48	0.14	1	11/19/13 14:15	11/20/13 15:56	EPA 3050B	1,6010C	MG
Cadmium, Total	25		mg/kg	0.48	0.03	1	11/19/13 14:15	11/20/13 15:56	EPA 3050B	1,6010C	MG
Lead, Total	450		mg/kg	2.4	0.10	1	11/19/13 14:15	11/20/13 15:56	EPA 3050B	1,6010C	MG
Mercury, Total	1.4		mg/kg	0.08	0.02	1	11/21/13 07:47	11/21/13 11:02	EPA 7471B	1,7471B	MC

Project Name: BASF GLENS FALLS, NY
Lab Number: L1323348
Project Number: Not Specified
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-22
Client ID: P005N02015
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil
Percent Solids: 82%

Date Collected: 11/13/13 13:25
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	0.73		mg/kg	0.48	0.03	1	11/26/13 15:46	11/26/13 23:25	EPA 3050B	1,6010C	MG

Project Name: BASF GLENS FALLS, NY
Lab Number: L1323348
Project Number: Not Specified
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-24
Client ID: P005E01015
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil
Percent Solids: 88%

Date Collected: 11/13/13 13:45
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Barium, Total	55		mg/kg	0.43	0.13	1	11/19/13 14:15	11/20/13 15:59	EPA 3050B	1,6010C	MG
Cadmium, Total	4.7		mg/kg	0.43	0.03	1	11/19/13 14:15	11/20/13 15:59	EPA 3050B	1,6010C	MG
Lead, Total	56		mg/kg	2.2	0.09	1	11/19/13 14:15	11/20/13 15:59	EPA 3050B	1,6010C	MG
Mercury, Total	0.88		mg/kg	0.08	0.02	1	11/21/13 07:47	11/21/13 11:04	EPA 7471B	1,7471B	MC

Project Name: BASF GLENS FALLS, NY
Lab Number: L1323348
Project Number: Not Specified
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-27
Client ID: P005W01015
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil
Percent Solids: 84%

Date Collected: 11/13/13 13:45
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Barium, Total	46		mg/kg	0.45	0.14	1	11/19/13 14:15	11/20/13 16:03	EPA 3050B	1,6010C	MG
Cadmium, Total	2.0		mg/kg	0.45	0.03	1	11/19/13 14:15	11/20/13 16:03	EPA 3050B	1,6010C	MG
Lead, Total	27		mg/kg	2.3	0.09	1	11/19/13 14:15	11/20/13 16:03	EPA 3050B	1,6010C	MG
Mercury, Total	0.35		mg/kg	0.08	0.02	1	11/21/13 07:47	11/21/13 11:06	EPA 7471B	1,7471B	MC

Project Name: BASF GLENS FALLS, NY
Lab Number: L1323348
Project Number: Not Specified
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-30
Client ID: P005S01015
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 11/13/13 14:00
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Barium, Total	52		mg/kg	0.43	0.13	1	11/19/13 14:15	11/20/13 16:06	EPA 3050B	1,6010C	MG
Cadmium, Total	5.9		mg/kg	0.43	0.03	1	11/19/13 14:15	11/20/13 16:06	EPA 3050B	1,6010C	MG
Lead, Total	150		mg/kg	2.1	0.09	1	11/19/13 14:15	11/20/13 16:06	EPA 3050B	1,6010C	MG
Mercury, Total	1.1		mg/kg	0.09	0.02	1	11/21/13 07:47	11/21/13 11:08	EPA 7471B	1,7471B	MC

Project Name: BASF GLENS FALLS, NY
Lab Number: L1323348
Project Number: Not Specified
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-33
Client ID: P004B01025
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil
Percent Solids: 72%

Date Collected: 11/14/13 09:30
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	9.4		mg/kg	0.52	0.04	1	11/19/13 14:15	11/20/13 16:10	EPA 3050B	1,6010C	MG

Project Name: BASF GLENS FALLS, NY
Lab Number: L1323348
Project Number: Not Specified
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-34
Client ID: P004B01035
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil
Percent Solids: 69%

Date Collected: 11/14/13 09:40
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	1.6		mg/kg	0.56	0.04	1	11/26/13 15:46	11/26/13 23:29	EPA 3050B	1,6010C	MG

Project Name: BASF GLENS FALLS, NY
Lab Number: L1323348
Project Number: Not Specified
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-36
Client ID: P004N01015
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil
Percent Solids: 74%

Date Collected: 11/14/13 09:30
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	2.2		mg/kg	0.51	0.04	1	11/19/13 14:15	11/20/13 16:38	EPA 3050B	1,6010C	MG

Project Name: BASF GLENS FALLS, NY
Lab Number: L1323348
Project Number: Not Specified
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-39
Client ID: P004E01015
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil
Percent Solids: 71%

Date Collected: 11/14/13 09:45
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	29		mg/kg	0.55	0.04	1	11/19/13 14:15	11/20/13 16:41	EPA 3050B	1,6010C	MG

Project Name: BASF GLENS FALLS, NY
Lab Number: L1323348
Project Number: Not Specified
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-40
Client ID: P004E02015
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil
Percent Solids: 77%

Date Collected: 11/14/13 09:50
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	0.43	J	mg/kg	0.50	0.04	1	11/26/13 15:46	11/26/13 23:32	EPA 3050B	1,6010C	MG

Project Name: BASF GLENS FALLS, NY
Lab Number: L1323348
Project Number: Not Specified
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-42
Client ID: P004W01015
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil
Percent Solids: 63%

Date Collected: 11/14/13 10:00
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	60		mg/kg	0.63	0.04	1	11/19/13 14:15	11/20/13 16:45	EPA 3050B	1,6010C	MG

Project Name: BASF GLENS FALLS, NY
Lab Number: L1323348
Project Number: Not Specified
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-43
Client ID: P004W02015
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil
Percent Solids: 73%

Date Collected: 11/14/13 10:10
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	15		mg/kg	0.52	0.04	1	11/26/13 15:46	11/26/13 23:36	EPA 3050B	1,6010C	MG

Project Name: BASF GLENS FALLS, NY
Lab Number: L1323348
Project Number: Not Specified
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-44
Client ID: P004W03015
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil
Percent Solids: 79%

Date Collected: 11/14/13 10:20
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	1.5		mg/kg	0.48	0.03	1	12/04/13 10:56	12/04/13 12:40	EPA 3050B	1,6010C	TT

Project Name: BASF GLENS FALLS, NY
Lab Number: L1323348
Project Number: Not Specified
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-45
Client ID: P004S01015
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil
Percent Solids: 67%

Date Collected: 11/14/13 10:00
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	34		mg/kg	0.57	0.04	1	11/19/13 14:15	11/20/13 16:49	EPA 3050B	1,6010C	MG

Project Name: BASF GLENS FALLS, NY
Lab Number: L1323348
Project Number: Not Specified
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-46
Client ID: P004S02015
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil
Percent Solids: 76%

Date Collected: 11/14/13 10:10
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	1.2		mg/kg	0.50	0.04	1	11/26/13 15:46	11/26/13 23:39	EPA 3050B	1,6010C	MG

Project Name: BASF GLENS FALLS, NY
Lab Number: L1323348
Project Number: Not Specified
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-48
Client ID: FB1114
Sample Location: BASF GLENS FALLS, NY
Matrix: Water

Date Collected: 11/14/13 09:20
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Barium, Total	ND		mg/l	0.00050	0.00010	1	11/19/13 12:51	11/20/13 21:46	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	11/19/13 12:51	11/20/13 21:46	EPA 3005A	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	11/19/13 12:51	11/20/13 21:46	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	11/21/13 07:15	11/21/13 11:36	EPA 7470A	1,7470A	DR

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified
Lab Number: L1323348
Report Date: 12/04/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 16,48 Batch: WG652819-1										
Barium, Total	ND		mg/l	0.00050	0.00010	1	11/19/13 12:51	11/20/13 19:50	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	11/19/13 12:51	11/20/13 19:50	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	11/19/13 12:51	11/20/13 19:50	1,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01,04,07,10,13,17,20-21,24,27,30,33,36,3 Batch: WG652901-1										
Barium, Total	ND		mg/kg	0.40	0.12	1	11/19/13 14:15	11/20/13 12:46	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	11/19/13 14:15	11/20/13 12:46	1,6010C	MG
Lead, Total	ND		mg/kg	2.0	0.08	1	11/19/13 14:15	11/20/13 12:46	1,6010C	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 48 Batch: WG653379-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	11/21/13 07:15	11/21/13 11:12	1,7470A	DR

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 17,20-21,24,27,30 Batch: WG653382-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	11/21/13 07:47	11/21/13 10:44	1,7471B	MC

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified
Lab Number: L1323348
Report Date: 12/04/13

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 22,34,40,43,46 Batch: WG654723-1										
Cadmium, Total	ND		mg/kg	0.40	0.03	1	11/26/13 15:46	11/26/13 22:32	1,6010C	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 16 Batch: WG655176-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	11/30/13 06:55	11/30/13 11:15	1,7470A	DR

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 44 Batch: WG656033-1										
Cadmium, Total	ND		mg/kg	0.40	0.03	1	12/04/13 10:56	12/04/13 12:32	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS, NY

Project Number: Not Specified

Lab Number: L1323348

Report Date: 12/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 16,48 Batch: WG652819-2								
Barium, Total	96		-		80-120	-		
Cadmium, Total	102		-		80-120	-		
Lead, Total	101		-		80-120	-		
Total Metals - Westborough Lab Associated sample(s): 01,04,07,10,13,17,20-21,24,27,30,33,36,3 Batch: WG652901-2 SRM Lot Number: 0518-10-02								
Barium, Total	96		-		83-118	-		
Cadmium, Total	94		-		82-117	-		
Lead, Total	98		-		80-120	-		
Total Metals - Westborough Lab Associated sample(s): 48 Batch: WG653379-2								
Mercury, Total	104		-		80-120	-		
Total Metals - Westborough Lab Associated sample(s): 17,20-21,24,27,30 Batch: WG653382-2 SRM Lot Number: 0518-10-02								
Mercury, Total	86		-		67-133	-		
Total Metals - Westborough Lab Associated sample(s): 22,34,40,43,46 Batch: WG654723-2 SRM Lot Number: 0518-10-02								
Cadmium, Total	89		-		82-117	-		
Total Metals - Westborough Lab Associated sample(s): 16 Batch: WG655176-2								
Mercury, Total	110		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS, NY

Project Number: Not Specified

Lab Number: L1323348

Report Date: 12/04/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 44 Batch: WG656033-2 SRM Lot Number: 0518-10-02					
Cadmium, Total	89	-	82-117	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1323348
Report Date: 12/04/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 16,48 QC Batch ID: WG652819-4 QC Sample: L1323305-02 Client ID: MS Sample												
Barium, Total	0.08800	2	2.022	97		-	-		80-120	-		20
Cadmium, Total	ND	0.051	0.04934	97		-	-		80-120	-		20
Lead, Total	0.00246J	0.51	0.5094	100		-	-		80-120	-		20
Total Metals - Westborough Lab Associated sample(s): 01,04,07,10,13,17,20-21,24,27,30,33,36,3 QC Batch ID: WG652901-4 QC Sample: L1323252-01 Client ID: MS Sample												
Barium, Total	10.	184	190	98		-	-		75-125	-		35
Cadmium, Total	0.18J	4.69	4.6	98		-	-		75-125	-		35
Lead, Total	7.3	46.9	53	97		-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 48 QC Batch ID: WG653379-4 QC Sample: L1323305-01 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00544	109		-	-		75-125	-		20
Total Metals - Westborough Lab Associated sample(s): 17,20-21,24,27,30 QC Batch ID: WG653382-4 QC Sample: L1323348-17 Client ID: P005B01025												
Mercury, Total	ND	0.221	0.23	104		-	-		80-120	-		35
Total Metals - Westborough Lab Associated sample(s): 22,34,40,43,46 QC Batch ID: WG654723-4 QC Sample: L1323809-01 Client ID: MS Sample												
Cadmium, Total	1.5	4.35	5.7	96		-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 16 QC Batch ID: WG655176-4 QC Sample: L1323732-01 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00671	**134**	Q	-	-		75-125	-		20
Total Metals - Westborough Lab Associated sample(s): 44 QC Batch ID: WG656033-4 QC Sample: L1323348-44 Client ID: P004W03015												
Cadmium, Total	1.5	5.09	4.9	**67**	Q	-	-		75-125	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1323348
Report Date: 12/04/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 16,48 QC Batch ID: WG652819-3 QC Sample: L1323305-02 Client ID: DUP Sample						
Barium, Total	0.08800	0.08645	mg/l	2		20
Cadmium, Total	ND	ND	mg/l	NC		20
Lead, Total	0.00246J	0.00238J	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 01,04,07,10,13,17,20-21,24,27,30,33,36,3 QC Batch ID: WG652901-3 QC Sample: L1323252-01 Client ID: DUP Sample						
Barium, Total	10.	10	mg/kg	0		35
Cadmium, Total	0.18J	0.14J	mg/kg	NC		35
Lead, Total	7.3	5.2	mg/kg	34		35
Total Metals - Westborough Lab Associated sample(s): 48 QC Batch ID: WG653379-3 QC Sample: L1323305-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 17,20-21,24,27,30 QC Batch ID: WG653382-3 QC Sample: L1323348-17 Client ID: P005B01025						
Mercury, Total	ND	ND	mg/kg	NC		35
Total Metals - Westborough Lab Associated sample(s): 22,34,40,43,46 QC Batch ID: WG654723-3 QC Sample: L1323809-01 Client ID: DUP Sample						
Cadmium, Total	1.5	1.4	mg/kg	7		35
Total Metals - Westborough Lab Associated sample(s): 16 QC Batch ID: WG655176-3 QC Sample: L1323732-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 44 QC Batch ID: WG656033-3 QC Sample: L1323348-44 Client ID: P004W03015						
Cadmium, Total	1.5	1.5	mg/kg	0		35

INORGANICS
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MISCELLANEOUS

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1323348
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-01
Client ID: N002N01015
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil

Date Collected: 11/13/13 12:40
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	73.7		%	0.100	NA	1	-	11/19/13 00:14	30,2540G	RT

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1323348
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-04
Client ID: N002S01015
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil

Date Collected: 11/13/13 11:40
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.2		%	0.100	NA	1	-	11/19/13 00:14	30,2540G	RT

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1323348
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-07
Client ID: N002E01015
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil

Date Collected: 11/13/13 11:35
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.8		%	0.100	NA	1	-	11/19/13 00:14	30,2540G	RT

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1323348
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-10
Client ID: N002W01015
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil

Date Collected: 11/13/13 12:10
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.6		%	0.100	NA	1	-	11/19/13 00:14	30,2540G	RT

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1323348
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-13
Client ID: N002B01025
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil

Date Collected: 11/13/13 11:30
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.4		%	0.100	NA	1	-	11/19/13 00:14	30,2540G	RT

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1323348
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-17
Client ID: P005B01025
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil

Date Collected: 11/13/13 13:25
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	70.4		%	0.100	NA	1	-	11/19/13 00:14	30,2540G	RT

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1323348
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-20
Client ID: DUP1113
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil

Date Collected: 11/13/13 00:00
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	70.8		%	0.100	NA	1	-	11/19/13 00:14	30,2540G	RT

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1323348
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-21
Client ID: P005N01015
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil

Date Collected: 11/13/13 13:20
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.9		%	0.100	NA	1	-	11/19/13 00:14	30,2540G	RT

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1323348
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-22
Client ID: P005N02015
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil

Date Collected: 11/13/13 13:25
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.7		%	0.100	NA	1	-	11/22/13 23:17	30,2540G	RT

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1323348
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-24
Client ID: P005E01015
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil

Date Collected: 11/13/13 13:45
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.2		%	0.100	NA	1	-	11/19/13 00:14	30,2540G	RT

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1323348
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-27
Client ID: P005W01015
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil

Date Collected: 11/13/13 13:45
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.0		%	0.100	NA	1	-	11/19/13 00:14	30,2540G	RT

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1323348
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-30
Client ID: P005S01015
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil

Date Collected: 11/13/13 14:00
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.2		%	0.100	NA	1	-	11/19/13 00:14	30,2540G	RT

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1323348
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-33
Client ID: P004B01025
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil

Date Collected: 11/14/13 09:30
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	71.5		%	0.100	NA	1	-	11/19/13 00:14	30,2540G	RT

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1323348
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-34
Client ID: P004B01035
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil

Date Collected: 11/14/13 09:40
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	68.9		%	0.100	NA	1	-	11/22/13 23:17	30,2540G	RT

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1323348
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-36
Client ID: P004N01015
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil

Date Collected: 11/14/13 09:30
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.3		%	0.100	NA	1	-	11/19/13 00:14	30,2540G	RT

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1323348
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-39
Client ID: P004E01015
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil

Date Collected: 11/14/13 09:45
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	70.8		%	0.100	NA	1	-	11/19/13 00:14	30,2540G	RT

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1323348
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-40
Client ID: P004E02015
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil

Date Collected: 11/14/13 09:50
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.0		%	0.100	NA	1	-	11/22/13 23:17	30,2540G	RT

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1323348
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-42
Client ID: P004W01015
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil

Date Collected: 11/14/13 10:00
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	62.5		%	0.100	NA	1	-	11/19/13 00:14	30,2540G	RT

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1323348
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-43
Client ID: P004W02015
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil

Date Collected: 11/14/13 10:10
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	72.5		%	0.100	NA	1	-	11/22/13 23:17	30,2540G	RT

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1323348
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-44
Client ID: P004W03015
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil

Date Collected: 11/14/13 10:20
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.5		%	0.100	NA	1	-	12/04/13 00:26	30,2540G	RT

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1323348
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-45
Client ID: P004S01015
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil

Date Collected: 11/14/13 10:00
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	67.4		%	0.100	NA	1	-	11/19/13 00:14	30,2540G	RT

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1323348
Report Date: 12/04/13

SAMPLE RESULTS

Lab ID: L1323348-46
Client ID: P004S02015
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil

Date Collected: 11/14/13 10:10
Date Received: 11/15/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.2		%	0.100	NA	1	-	11/22/13 23:17	30,2540G	RT

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1323348
Report Date: 12/04/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,04,07,10,13,17,20-21,24,27,30,33,36,3 QC Batch ID: WG652642-1 QC Sample: L1323332-01 Client ID: DUP Sample						
Solids, Total	95.4	95.1	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 22,34,40,43,46 QC Batch ID: WG654016-1 QC Sample: L1323348-22 Client ID: P005N02015						
Solids, Total	81.7	81.9	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 44 QC Batch ID: WG655942-1 QC Sample: L1323348-44 Client ID: P004W03015						
Solids, Total	78.5	79.5	%	1		20

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1323348
Report Date: 12/04/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1323348-01A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	TS(7),CD-TI(180)
L1323348-02A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	HOLD()
L1323348-03A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	HOLD()
L1323348-04A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	TS(7),CD-TI(180)
L1323348-05A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	HOLD()
L1323348-06A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	HOLD()
L1323348-07A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	TS(7),CD-TI(180)
L1323348-08A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	HOLD()
L1323348-09A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	HOLD()
L1323348-10A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	TS(7),CD-TI(180)
L1323348-11A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	HOLD()
L1323348-12A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	HOLD()
L1323348-13A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	TS(7),CD-TI(180)
L1323348-14A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	HOLD()
L1323348-15A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	HOLD()
L1323348-16A	Plastic 250ml HNO3 preserved	B	<2	3.4	Y	Absent	BA-6020T(180),PB-6020T(180),CD-6020T(180),HG-T(28)
L1323348-17A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	BA-TI(180),TS(7),PB-TI(180),HG-T(28),CD-TI(180)
L1323348-18A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	HOLD()
L1323348-19A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	HOLD()
L1323348-20A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	BA-TI(180),TS(7),PB-TI(180),HG-T(28),CD-TI(180)
L1323348-21A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	BA-TI(180),TS(7),PB-TI(180),HG-T(28),CD-TI(180)
L1323348-22A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	TS(7),CD-TI(180)
L1323348-23A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	HOLD()

*Values in parentheses indicate holding time in days

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1323348
Report Date: 12/04/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1323348-24A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	BA-TI(180),TS(7),PB-TI(180),HG-T(28),CD-TI(180)
L1323348-25A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	HOLD()
L1323348-26A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	HOLD()
L1323348-27A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	BA-TI(180),TS(7),PB-TI(180),HG-T(28),CD-TI(180)
L1323348-28A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	HOLD()
L1323348-29A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	HOLD()
L1323348-30A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	BA-TI(180),TS(7),PB-TI(180),HG-T(28),CD-TI(180)
L1323348-31A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	HOLD()
L1323348-32A	Amber 120ml unpreserved	B	N/A	3.4	Y	Absent	HOLD()
L1323348-33A	Amber 120ml unpreserved	B	N/A	3.4	Y	Absent	TS(7),CD-TI(180)
L1323348-34A	Amber 120ml unpreserved	B	N/A	3.4	Y	Absent	TS(7),CD-TI(180)
L1323348-35A	Amber 120ml unpreserved	B	N/A	3.4	Y	Absent	HOLD()
L1323348-36A	Amber 120ml unpreserved	B	N/A	3.4	Y	Absent	TS(7),CD-TI(180)
L1323348-37A	Amber 120ml unpreserved	B	N/A	3.4	Y	Absent	HOLD()
L1323348-38A	Amber 120ml unpreserved	B	N/A	3.4	Y	Absent	HOLD()
L1323348-39A	Amber 120ml unpreserved	B	N/A	3.4	Y	Absent	TS(7),CD-TI(180)
L1323348-40A	Amber 120ml unpreserved	B	N/A	3.4	Y	Absent	TS(7),CD-TI(180)
L1323348-41A	Amber 120ml unpreserved	B	N/A	3.4	Y	Absent	HOLD()
L1323348-42A	Amber 120ml unpreserved	B	N/A	3.4	Y	Absent	TS(7),CD-TI(180)
L1323348-43A	Amber 120ml unpreserved	B	N/A	3.4	Y	Absent	TS(7),CD-TI(180)
L1323348-44A	Amber 120ml unpreserved	B	N/A	3.4	Y	Absent	TS(7),CD-TI(180)
L1323348-45A	Amber 120ml unpreserved	B	N/A	3.4	Y	Absent	TS(7),CD-TI(180)
L1323348-46A	Amber 120ml unpreserved	B	N/A	3.4	Y	Absent	TS(7),CD-TI(180)
L1323348-47A	Amber 120ml unpreserved	B	N/A	3.4	Y	Absent	HOLD()
L1323348-48A	Plastic 250ml HNO3 preserved	B	<2	3.4	Y	Absent	BA-6020T(180),PB-6020T(180),CD-6020T(180),HG-T(28)

*Values in parentheses indicate holding time in days

Project Name:	BASF GLENS FALLS, NY	**Lab Number:**	L1323348
Project Number:	Not Specified	**Report Date:**	12/04/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with 'J' Qualifiers

Project Name:	BASF GLENS FALLS, NY	**Lab Number:**	L1323348
Project Number:	Not Specified	**Report Date:**	12/04/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	BASF GLENS FALLS, NY	**Lab Number:**	L1323348
Project Number:	Not Specified	**Report Date:**	12/04/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised November 12, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water (Organic Parameters: **EPA 524.2:** Di-isopropyl ether (DIPE), Ethyl-t-butyl ether (ETBE), Tert-amyl methyl ether (TAME)).

Non-Potable Water (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.)

Solid & Chemical Materials (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310C, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, 4500SO4-E, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 5030C, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5030C, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330A, 8082A, EPA 3510C, 5030B, 5030C, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330A, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C,

4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm 9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease. **EPA 9060** in a soil matrix.

L1323348

Chain of Custody Record

Client Contact	Project Manager: P. Malmquist	Site Contact: P.Malmquist	Date: 11-15-13	COC No: —
AMO Environmental Decisions	Tel: 215-230-8282	Tel: 610-761-9971	Carrier: Alpha	1 of 4 COCs
4327 Point Pleasant Pike PO Box 410	Analysis Turnaround Time			Job No.
Danboro, PA 18916	Work Days			
215-230-8282	TAT if different from Below : 3 Day			SDG No.
215-230-8283	☐ 2 weeks			
Project Name: BASF Glens Falls, NY	■ 1 week			
Site: BASF Glens Falls, NY	☐ 2 days			
Regulatory Program: NYSDEC Part 375 / Superfund	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Cadmium	Cadmium (Hold)	Barium, Cadmium, Lead, Mercury	Ba, Cd, Pb, Hg (Hold)	Sample Specific Notes:
1	N002N01015	11/13	1240	Grab Soil	Soil	1		X				
2	N002N02015		1300						X			
3	N002N03015		1250						X			
4	N002S01015		1140					X				
5	N002S02015		1150						X			
6	N002S03015		1200						X			
7	N002E01015		1135					X				
8	N002E02015		1125						X			
9	N002E03015		1115						X			
10	N002W01015		1210					X				
11	N002W02015		1220						X			
12	N002W03015		1230						X			
13	N002B01025		1130					X				
14	N002B01035	↓	1135	↓	↓	↓			X			

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ■

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ■ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments: All lab protocols, reports, and electronic deliverables to comply with NYSDEC Part 375. Reporting limits to comply with Unrestricted Use Soil Standards. NJ Hazsite style EDD required within indicated TAT.

Relinquished by:	Company: AMO Environmental Decisions	Date/Time: 11-15 0830	Received by:	Company: Alpha	Date/Time: 11/15/13 08:35
Relinquished by:	Company: ALPHA	Date/Time: 11-15-13 1809	Received by:	Company: ALPHA	Date/Time: 11-15-13 1809
Relinquished by:	Company: ALPHA	Date/Time: 11-15-13 23:58	Received by:	Company: Alpha	Date/Time: 11/15/13 23:58

L1323348

Chain of Custody Record

Client Contact	Project Manager: P. Malmquist	Site Contact: P.Malmquist	Date: 11-15-13	COC No: –
AMO Environmental Decisions	Tel: 215-230-8282	Tel: 610-761-9971	Carrier: Alpha	2 of 4 COCs
4327 Point Pleasant Pike PO Box 410	Analysis Turnaround Time			Job No.
Danboro, PA 18916	Work Days			
215-230-8282	TAT if different from Below : 3 Day			
215-230-8283	☐ 2 weeks			SDG No.
Project Name: BASF Glens Falls, NY	■ 1 week			
Site: BASF Glens Falls, NY	☐ 2 days			
Regulatory Program: NYSDEC Part 375 / Superfund	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Cadmium	Cadmium (Hold)	Barium, Cadmium, Lead, Mercury	Ba, Cd, Pb, Hg (Hold)	Sample Specific Notes:
15	N002B0045	11/13	1140	Grab	Soil	1			X			
16	FB1113	11/13	1215					X				
17	P005B0102S	11-13	1325							X		
18	P005B0103S		1335								X	
19	P005B0104S		1340								X	
20	DUP1113		—							X		
21	P005N0101S		1320							X		
22	P005N020S		1325								X	
23	P005N03015		1340								✓	
24	P005E01015		1345							X		
25	P005E02015		1350								X	
26	P005E03015		1400								X	
27	P005W01015		1345							X		
28	P005W02015		1350								X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ___________

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ■

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ■ *Disposal By Lab* ☐ *Archive For* ___________ *Months*

Special Instructions/QC Requirements & Comments: All lab protocols, reports, and electronic deliverables to comply with NYSDEC Part 375. Reporting limits to comply with Unrestricted Use Soil Standards. NJ Hazsite style EDD required within indicated TAT.

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	AMO Environmental Decisions	11-15 0830	[signature]	Alpha	11/15/13 08:55
[signature]	ALPHA	11-15-13 1809	Tom Toher	ALPHA	11-15-13 1809
Tom Toher	ALPHA	11-15-13 2358	[signature]	Alpha	11/15/13 23:58

L1323348

Chain of Custody Record

Client Contact	Project Manager: P. Malmquist	Site Contact: P.Malmquist	Date: 11-15-13	COC No: ~
AMO Environmental Decisions	Tel: 215-230-8282	Tel: 610-761-9971	Carrier: Alpha	3 of 4 COCs
4327 Point Pleasant Pike PO Box 410	Analysis Turnaround Time			Job No.
Danboro, PA 18916	Work Days			
215-230-8282	TAT if different from Below: 3 Day			
215-230-8283	☐ 2 weeks			SDG No.
Project Name: BASF Glens Falls, NY	■ 1 week			
Site: BASF Glens Falls, NY	☐ 2 days			
Regulatory Program: NYSDEC Part 375 / Superfund	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Cadmium	Cadmium (Hold)	Barium, Cadmium, Lead, Mercury	Ba, Cd, Pb, Hg (Hold)	Sample Specific Notes:
29	P005W03015	11-13	1355	Soil	Grab	1					X	
30	P005S01015	11-13	1400	"	"	"				X		
31	P005S02015	11-13	1410	"	"	"					X	
32	P005S03015	11-13	1405	"	"	"					X	
33	P004B01025	11-14	0930	Grab	Soil	1		X				
34	P004B01035	"	0940	"	"	"			X			
35	P004B01045	"	0950	"	"	"			X			
36	P004N01015	"	0930	"	"	"		X				
37	P004N02015	"	0935	"	"	"			X			
38	P004N03015	"	0940	"	"	"			X			
39	P004E01015	"	0945	"	"	"		X				
40	P004E02015	"	0950	"	"	"			X			
41	P004E03015	"	0955	"	"	"			X			
42	P004W01015	"	1000	"	"	"		X				

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant Poison B ☐ Unknown ■

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ■ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments: All lab protocols, reports, and electronic deliverables to comply with NYSDEC Part 375. Reporting limits to comply with Unrestricted Use Soil Standards. NJ Hazsite style EDD required within indicated TAT.

Relinquished by:	Company: AMO Environmental Decisions	Date/Time: 11-15 0830	Received by:	Company: Alpha	Date/Time: 11/15/13 08:55
Relinquished by:	Company: ALPHA	Date/Time: 11-15-13 1809	Received by:	Company: ALPHA	Date/Time: 11-15-13 1809
Relinquished by:	Company: ALPHA	Date/Time: 11-15-13 2358	Received by:	Company: Alpha	Date/Time: 11/15/13 23:58

L1323348

Chain of Custody Record

Client Contact	Project Manager: P. Malmquist	Site Contact: P.Malmquist	Date: 11-15-13	COC No: -
AMO Environmental Decisions	Tel: 215-230-8282	Tel: 610-761-9971	Carrier: Alpha	4 of 4 COCs
4327 Point Pleasant Pike PO Box 410	Analysis Turnaround Time			Job No.
Danboro, PA 18916	Work Days			
215-230-8282	TAT if different from Below : 3 Day			
215-230-8283	☐ 2 weeks			SDG No.
Project Name: BASF Glens Falls, NY	■ 1 week			
Site: BASF Glens Falls, NY	☐ 2 days			
Regulatory Program: NYSDEC Part 375 / Superfund	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Cadmium	Cadmium (Hold)	Barium, Cadmium, Lead, Mercury	Ba, Cd, Pb, Hg (Hold)	Sample Specific Notes:
43	P004W02 015	11-14	1010	Grab	So.l	1			X			
44	P004W03 015	"	1020	"	"	"			X			
45	P004S01015	"	1000	"	"	"		X				
46	P004S02 015	"	1010	"	"	"			X			
47	P004S03 015	"	1020	"	"	"			X			
48	FB 1114	11.14	0920	Grab	H2O	1				X		

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant Poison B ☐ Unknown ■

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ■ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments: All lab protocols, reports, and electronic deliverables to comply with NYSDEC Part 375. Reporting limits to comply with Unrestricted Use Soil Standards. NJ Hazsite style EDD required within indicated TAT.

Relinquished by:	Company: AMO Environmental Decisions	Date/Time: 11-15 0830	Received by:	Company: Alpha	Date/Time: 11/15/13 08:55
Relinquished by:	Company: ALPHA	Date/Time: 11-15-13 1809	Received by:	Company: ALPHA	Date/Time: 11-15-13 1809
Relinquished by:	Company: ALPHA	Date/Time: 11-15-13 23:58	Received by:	Company: Alpha	Date/Time: 11/15/13 23:58

APPENDIX C

Waste Characterization (December 2013)

Laboratory Data Package

ANALYTICAL REPORT

Lab Number:	L1326368
Client:	AMO Environmental Decisions 4327 Point Pleasant Pike PO Box 410 Danboro, PA 18916
ATTN:	Paul Malmquist
Phone:	(215) 230-8282
Project Name:	BASF GLENS FALLS, NY
Project Number:	Not Specified
Report Date:	01/07/14

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1326368
Report Date: 01/07/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1326368-01	WCS131230-1	BASF GLENS FALLS, NY	12/30/13 11:00

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1326368
Report Date: 01/07/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified
Lab Number: L1326368
Report Date: 01/07/14

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

TCLP Semivolatiles

The WG662841-2/-3 LCS recoveries, associated with L1326368-01, are above the acceptance criteria for 2,4-dinitrotoluene (120%/120%) and pentachlorophenol (116%/117%); however, the associated samples are non-detect for these target compounds. The results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cynthia McQueen

Title: Technical Director/Representative Date: 01/07/14

ORGANICS

VOLATILES

Project Name: BASF GLENS FALLS, NY **Lab Number:** L1326368

Project Number: Not Specified **Report Date:** 01/07/14

SAMPLE RESULTS

Lab ID:	L1326368-01	Date Collected:	12/30/13 11:00
Client ID:	WCS131230-1	Date Received:	12/30/13
Sample Location:	BASF GLENS FALLS, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	01/04/14 12:44		
Analyst:	MM		
Percent Solids:	79%		
TCLP/SPLP Ext. Date:	01/02/14 16:41		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	1.6	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	1.4	10
1,1-Dichloroethene	ND		ug/l	5.0	1.4	10
Trichloroethene	ND		ug/l	5.0	1.7	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	108		70-130

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1326368
Report Date: 01/07/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/04/14 09:28
Analyst: MM
TCLP Extraction Date: 01/02/14 16:41

Extraction Date: 01/02/14 16:41

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG662929-3					
Chloroform	ND		ug/l	7.5	1.6
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	1.4
1,1-Dichloroethene	ND		ug/l	5.0	1.4
Trichloroethene	ND		ug/l	5.0	1.7
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS, NY

Project Number: Not Specified

Lab Number: L1326368

Report Date: 01/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG662929-1 WG662929-2								
Chloroform	106		106		70-130	0		20
Carbon tetrachloride	103		104		63-132	1		20
Tetrachloroethene	100		99		70-130	1		20
Chlorobenzene	93		96		75-130	3		25
1,2-Dichloroethane	97		99		70-130	2		20
Benzene	104		105		70-130	1		25
Vinyl chloride	89		89		55-140	0		20
1,1-Dichloroethene	85		88		61-145	3		25
Trichloroethene	101		103		70-130	2		25
1,4-Dichlorobenzene	93		92		70-130	1		20
2-Butanone	**150**	Q	**184**	Q	63-138	20		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	86		89		70-130
Toluene-d8	98		100		70-130
4-Bromofluorobenzene	114		104		70-130
Dibromofluoromethane	98		97		70-130

SEMIVOLATILES

Project Name: BASF GLENS FALLS, NY **Lab Number:** L1326368

Project Number: Not Specified **Report Date:** 01/07/14

SAMPLE RESULTS

Lab ID:	L1326368-01	Date Collected:	12/30/13 11:00
Client ID:	WCS131230-1	Date Received:	12/30/13
Sample Location:	BASF GLENS FALLS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	01/03/14 15:40
Analytical Date:	01/06/14 14:03		
Analyst:	RC		
Percent Solids:	79%		
TCLP/SPLP Ext. Date:	01/02/14 14:36		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.0	1
2,4-Dinitrotoluene	ND		ug/l	25	5.2	1
Hexachlorobutadiene	ND		ug/l	10	2.1	1
Hexachloroethane	ND		ug/l	10	1.5	1
Nitrobenzene	ND		ug/l	10	2.0	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.9	1
Pentachlorophenol	ND		ug/l	50	16.	1
2-Methylphenol	ND		ug/l	25	3.5	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	3.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.7	1
Pyridine	ND		ug/l	25	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		21-120
Phenol-d6	69		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	89		33-120

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified
Lab Number: L1326368
Report Date: 01/07/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/04/14 13:20
Analyst: RC
TCLP Extraction Date: 01/02/14 14:36

Extraction Method: EPA 3510C
Extraction Date: 01/03/14 15:40

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG662841-1					
Hexachlorobenzene	ND		ug/l	10	2.0
2,4-Dinitrotoluene	ND		ug/l	25	5.2
Hexachlorobutadiene	ND		ug/l	10	2.1
Hexachloroethane	ND		ug/l	10	1.5
Nitrobenzene	ND		ug/l	10	2.0
2,4,6-Trichlorophenol	ND		ug/l	25	3.9
Pentachlorophenol	ND		ug/l	50	16.
2-Methylphenol	ND		ug/l	25	3.5
3-Methylphenol/4-Methylphenol	ND		ug/l	25	3.6
2,4,5-Trichlorophenol	ND		ug/l	25	3.7
Pyridine	ND		ug/l	25	1.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		21-120
Phenol-d6	73		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	102		10-120
4-Terphenyl-d14	93		33-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1326368
Report Date: 01/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG662841-2 WG662841-3								
Hexachlorobenzene	109		112		40-140	3		30
2,4-Dinitrotoluene	**120**	Q	**120**	Q	24-96	0		30
Hexachlorobutadiene	101		115		40-140	13		30
Hexachloroethane	96		102		40-140	6		30
Nitrobenzene	104		114		40-140	9		30
2,4,6-Trichlorophenol	119		124		30-130	4		30
Pentachlorophenol	**116**	Q	**117**	Q	9-103	1		30
2-Methylphenol	106		109		30-130	3		30
3-Methylphenol/4-Methylphenol	108		110		30-130	2		30
2,4,5-Trichlorophenol	123		127		30-130	3		30
Pyridine	15		17		10-66	13		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	96		102		21-120
Phenol-d6	88		90		10-120
Nitrobenzene-d5	96		99		23-120
2-Fluorobiphenyl	96		104		15-120
2,4,6-Tribromophenol	**124**	Q	108		10-120
4-Terphenyl-d14	104		110		33-120

PETROLEUM HYDROCARBONS

Project Name: BASF GLENS FALLS, NY **Lab Number:** L1326368

Project Number: Not Specified **Report Date:** 01/07/14

SAMPLE RESULTS

Lab ID:	L1326368-01	Date Collected:	12/30/13 11:00
Client ID:	WCS131230-1	Date Received:	12/30/13
Sample Location:	BASF GLENS FALLS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	01/02/14 14:26		
Analyst:	BS		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	ND		ug/kg	3200	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	94		70-130
4-Bromofluorobenzene	93		70-130

Project Name: BASF GLENS FALLS, NY
Lab Number: L1326368
Project Number: Not Specified
Report Date: 01/07/14

SAMPLE RESULTS

Lab ID:	L1326368-01	Date Collected:	12/30/13 11:00
Client ID:	WCS131230-1	Date Received:	12/30/13
Sample Location:	BASF GLENS FALLS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	12/31/13 01:55
Analytical Date:	12/31/13 23:28		
Analyst:	AR		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	242000		ug/kg	40800	4000	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	91		40-140

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1326368
Report Date: 01/07/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 12/31/13 20:53
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 12/31/13 01:55

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01 Batch: WG662365-1					
TPH	ND		ug/kg	33300	3260

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	95		40-140

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified
Lab Number: L1326368
Report Date: 01/07/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 01/02/14 11:25
Analyst: BS

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 01 Batch: WG662794-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	83		70-130
4-Bromofluorobenzene	90		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS, NY

Project Number: Not Specified

Lab Number: L1326368

Report Date: 01/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01 Batch: WG662365-2								
TPH	94		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	88				40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS, NY

Project Number: Not Specified

Lab Number: L1326368

Report Date: 01/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab	Associated sample(s): 01		Batch: WG662794-1 WG662794-2					
Gasoline Range Organics	113		118		80-120	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	109		113		70-130
4-Bromofluorobenzene	106		111		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1326368
Report Date: 01/07/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01 QC Batch ID: WG662794-7 QC Sample: L1326368-01 Client ID: WCS131230-1												
Gasoline Range Organics	ND	25200	28000	109		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	92				70-130
4-Bromofluorobenzene	93				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1326368
Report Date: 01/07/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01 QC Batch ID: WG662365-3 QC Sample: L1326368-01 Client ID: WCS131230-1						
TPH	242000	239000	ug/kg	1		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	91		87		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1326368
Report Date: 01/07/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01 QC Batch ID: WG662794-6 QC Sample: L1326368-01 Client ID: WCS131230-1					
Gasoline Range Organics	ND	ND	ug/kg	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	94		96		70-130
4-Bromofluorobenzene	93		96		70-130

PCBS

Project Name: BASF GLENS FALLS, NY **Lab Number:** L1326368

Project Number: Not Specified **Report Date:** 01/07/14

SAMPLE RESULTS

Lab ID:	L1326368-01	Date Collected:	12/30/13 11:00
Client ID:	WCS131230-1	Date Received:	12/30/13
Sample Location:	BASF GLENS FALLS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	12/31/13 04:53
Analytical Date:	01/02/14 10:06	Cleanup Method1:	EPA 3665A
Analyst:	JT	Cleanup Date1:	12/31/13
Percent Solids:	79%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	12/31/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.7	3.14	1	A
Aroclor 1221	ND		ug/kg	39.7	3.66	1	A
Aroclor 1232	ND		ug/kg	39.7	4.66	1	A
Aroclor 1242	ND		ug/kg	39.7	4.86	1	A
Aroclor 1248	ND		ug/kg	39.7	3.35	1	A
Aroclor 1254	20.5	J	ug/kg	39.7	3.26	1	A
Aroclor 1260	21.6	J	ug/kg	39.7	3.03	1	A
Aroclor 1262	ND		ug/kg	39.7	1.97	1	A
Aroclor 1268	ND		ug/kg	39.7	5.76	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: BASF GLENS FALLS, NY

Project Number: Not Specified

Lab Number: L1326368

Report Date: 01/07/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 01/02/14 10:59
Analyst: JT

Extraction Method: EPA 3546
Extraction Date: 12/31/13 04:53
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/31/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/31/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG662377-1						
Aroclor 1016	ND		ug/kg	33.0	2.61	A
Aroclor 1221	ND		ug/kg	33.0	3.04	A
Aroclor 1232	ND		ug/kg	33.0	3.87	A
Aroclor 1242	ND		ug/kg	33.0	4.04	A
Aroclor 1248	ND		ug/kg	33.0	2.78	A
Aroclor 1254	ND		ug/kg	33.0	2.71	A
Aroclor 1260	ND		ug/kg	33.0	2.51	A
Aroclor 1262	ND		ug/kg	33.0	1.64	A
Aroclor 1268	ND		ug/kg	33.0	4.78	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	46		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS, NY

Project Number: Not Specified

Lab Number: L1326368

Report Date: 01/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG662377-2 WG662377-3									
Aroclor 1016	75		74		40-140	1		50	A
Aroclor 1260	56		58		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		75		30-150	A
Decachlorobiphenyl	57		58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		74		30-150	B
Decachlorobiphenyl	45		45		30-150	B

PESTICIDES

Project Name: BASF GLENS FALLS, NY **Lab Number:** L1326368

Project Number: Not Specified **Report Date:** 01/07/14

SAMPLE RESULTS

Lab ID:	L1326368-01	Date Collected:	12/30/13 11:00
Client ID:	WCS131230-1	Date Received:	12/30/13
Sample Location:	BASF GLENS FALLS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	01/03/14 15:34
Analytical Date:	01/04/14 23:07	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	01/04/14
Percent Solids:	79%		
TCLP/SPLP Ext. Date:	01/02/14 14:36		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	0.064	JPI	ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.315	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: BASF GLENS FALLS, NY **Lab Number:** L1326368

Project Number: Not Specified **Report Date:** 01/07/14

SAMPLE RESULTS

Lab ID:	L1326368-01	Date Collected:	12/30/13 11:00
Client ID:	WCS131230-1	Date Received:	12/30/13
Sample Location:	BASF GLENS FALLS, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	01/03/14 16:53
Analytical Date:	01/04/14 20:06	Methylation Date:	01/04/14 06:19
Analyst:	SS		
Percent Solids:	79%		
TCLP/SPLP Ext. Date:	01/02/14 14:36		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	42		30-150	A
DCAA	49		30-150	B

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1326368
Report Date: 01/07/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/04/14 22:16
Analyst: SH
TCLP Extraction Date: 01/02/14 14:36

Extraction Method: EPA 3510C
Extraction Date: 01/03/14 15:34
Cleanup Method1: EPA 3620B
Cleanup Date1: 01/04/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG662839-1						
Lindane	ND		ug/l	0.100	0.022	A
Heptachlor	ND		ug/l	0.100	0.016	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	A
Endrin	ND		ug/l	0.200	0.021	A
Methoxychlor	ND		ug/l	1.00	0.034	A
Toxaphene	ND		ug/l	1.00	0.315	A
Chlordane	ND		ug/l	1.00	0.232	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	134		30-150	A
Decachlorobiphenyl	**151**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	115		30-150	B
Decachlorobiphenyl	137		30-150	B

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1326368
Report Date: 01/07/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 01/04/14 18:46
Analyst: SS
TCLP Extraction Date: 01/02/14 14:36

Extraction Method: EPA 8151A
Extraction Date: 01/03/14 16:53

Methylation Date: 01/04/14 06:19

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Herbicides by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG662850-1						
2,4-D	ND		mg/l	0.025	0.001	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	57		30-150	A
DCAA	57		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS, NY

Project Number: Not Specified

Lab Number: L1326368

Report Date: 01/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG662839-2 WG662839-3									
Lindane	90		92		30-150	2		20	A
Heptachlor	94		94		30-150	0		20	A
Heptachlor epoxide	89		90		30-150	1		20	A
Endrin	99		98		30-150	1		20	A
Methoxychlor	114		116		30-150	2		20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		79		30-150	A
Decachlorobiphenyl	89		85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		71		30-150	B
Decachlorobiphenyl	92		100		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS, NY

Project Number: Not Specified

Lab Number: L1326368

Report Date: 01/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Herbicides by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG662850-2 WG662850-3									
2,4-D	98		104		30-150	6		25	A
2,4,5-TP (Silvex)	55		56		30-150	2		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	51		51		30-150	A
DCAA	66		45		30-150	B

METALS

Project Name: BASF GLENS FALLS, NY
Lab Number: L1326368
Project Number: Not Specified
Report Date: 01/07/14

SAMPLE RESULTS

Lab ID: L1326368-01
Client ID: WCS131230-1
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil
Percent Solids: 79%

Date Collected: 12/30/13 11:00
Date Received: 12/30/13
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 01/02/14 14:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	01/03/14 15:15	01/06/14 11:47	EPA 3015	1,6010C	MG
Barium, TCLP	0.89		mg/l	0.50	0.03	1	01/03/14 15:15	01/06/14 11:47	EPA 3015	1,6010C	MG
Cadmium, TCLP	0.05	J	mg/l	0.10	0.01	1	01/03/14 15:15	01/06/14 11:47	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	01/03/14 15:15	01/06/14 11:47	EPA 3015	1,6010C	MG
Lead, TCLP	0.07	J	mg/l	0.50	0.02	1	01/03/14 15:15	01/06/14 11:47	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	01/06/14 10:02	01/07/14 08:48	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	01/03/14 15:15	01/06/14 11:47	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	01/03/14 15:15	01/06/14 11:47	EPA 3015	1,6010C	MG

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified
Lab Number: L1326368
Report Date: 01/07/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG662833-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	01/03/14 15:15	01/06/14 11:35	1,6010C	MG
Barium, TCLP	ND		mg/l	0.50	0.03	1	01/03/14 15:15	01/06/14 11:35	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	01/03/14 15:15	01/06/14 11:35	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	01/03/14 15:15	01/06/14 11:35	1,6010C	MG
Lead, TCLP	ND		mg/l	0.50	0.02	1	01/03/14 15:15	01/06/14 11:35	1,6010C	MG
Selenium, TCLP	ND		mg/l	0.50	0.03	1	01/03/14 15:15	01/06/14 11:35	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	01/03/14 15:15	01/06/14 11:35	1,6010C	MG

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 01/02/14 14:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG663064-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	01/06/14 10:02	01/07/14 08:32	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A
TCLP/SPLP Extraction Date: 01/02/14 14:36

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS, NY

Project Number: Not Specified

Lab Number: L1326368

Report Date: 01/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG662833-2								
Arsenic, TCLP	100		-		75-125	-		20
Barium, TCLP	90		-		75-125	-		20
Cadmium, TCLP	86		-		75-125	-		20
Chromium, TCLP	90		-		75-125	-		20
Lead, TCLP	92		-		75-125	-		20
Selenium, TCLP	100		-		75-125	-		20
Silver, TCLP	94		-		75-125	-		20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG663064-2								
Mercury, TCLP	104		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1326368
Report Date: 01/07/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01 QC Batch ID: WG662833-4 QC Sample: L1326394-01 Client ID: MS Sample												
Arsenic, TCLP	ND	1.2	1.1	92		-	-		75-125	-		20
Barium, TCLP	0.50	20	18	88		-	-		75-125	-		20
Cadmium, TCLP	ND	0.51	0.43	84		-	-		75-125	-		20
Chromium, TCLP	ND	2	1.8	90		-	-		75-125	-		20
Lead, TCLP	0.42J	5.1	5.0	98		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.2	100		-	-		75-125	-		20
Silver, TCLP	ND	0.5	0.45	90		-	-		75-125	-		20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01 QC Batch ID: WG663064-4 QC Sample: L1326349-01 Client ID: MS Sample												
Mercury, TCLP	ND	0.025	0.0258	103		-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1326368
Report Date: 01/07/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01 QC Batch ID: WG662833-3 QC Sample: L1326394-01 Client ID: DUP Sample						
Lead, TCLP	0.42J	0.44J	mg/l	NC		20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01 QC Batch ID: WG663064-3 QC Sample: L1326349-01 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1326368
Report Date: 01/07/14

SAMPLE RESULTS

Lab ID: L1326368-01
Client ID: WCS131230-1
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil

Date Collected: 12/30/13 11:00
Date Received: 12/30/13
Field Prep: Not Specified

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	01/02/14 16:08	1,1030	TL

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1326368
Report Date: 01/07/14

SAMPLE RESULTS

Lab ID: L1326368-01
Client ID: WCS131230-1
Sample Location: BASF GLENS FALLS, NY
Matrix: Soil

Date Collected: 12/30/13 11:00
Date Received: 12/30/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.2		%	0.100	NA	1	-	12/31/13 01:52	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.2	0.29	1	01/03/14 11:15	01/03/14 14:50	1,9010C/9012B	JO
pH (H)	7.5		SU	-	NA	1	-	12/31/13 00:37	1,9045D	EL
Cyanide, Reactive	ND		mg/kg	10	10.	1	01/02/14 13:45	01/02/14 15:18	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	01/02/14 13:45	01/02/14 15:14	1,7.3	TL

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified
Lab Number: L1326368
Report Date: 01/07/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG662703-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	01/02/14 13:45	01/02/14 15:17	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG662704-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	01/02/14 13:45	01/02/14 15:13	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG662782-1										
Cyanide, Total	ND		mg/kg	0.95	0.22	1	01/03/14 11:15	01/03/14 14:37	1,9010C/9012B	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: BASF GLENS FALLS, NY

Project Number: Not Specified

Lab Number: L1326368

Report Date: 01/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG662347-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG662703-2								
Cyanide, Reactive	62		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG662704-2								
Sulfide, Reactive	91		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG662782-2 WG662782-3								
Cyanide, Total	102		101		80-120	1		35

Matrix Spike Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1326368
Report Date: 01/07/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG662782-4 WG662782-5 QC Sample: L1326428-01 Client ID: MS Sample												
Cyanide, Total	3.6	25	31	110		31	110		65-135	0		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1326368
Report Date: 01/07/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG662347-2 QC Sample: L1326368-01 Client ID: WCS131230-1						
pH (H)	7.5	7.5	SU	0		5
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG662364-1 QC Sample: L1326362-01 Client ID: DUP Sample						
Solids, Total	91.8	92.4	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG662703-3 QC Sample: L1326423-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG662704-3 QC Sample: L1326423-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: BASF GLENS FALLS, NY
Project Number: Not Specified

Lab Number: L1326368
Report Date: 01/07/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1326368-01A	Vial Large Septa unpreserved	A	N/A	2.4	Y	Absent	TCLP-EXT-ZHE(14)
L1326368-01B	Vial Large Septa unpreserved	A	N/A	2.4	Y	Absent	TPH-GRO(14)
L1326368-01C	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	IGNIT-1030(14),REACTS(14),TCN-9010(14),TS(7),PH-9045(1),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14)
L1326368-01D	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	IGNIT-1030(14),REACTS(14),TCN-9010(14),TS(7),PH-9045(1),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14)
L1326368-01E	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	IGNIT-1030(14),REACTS(14),TCN-9010(14),TS(7),PH-9045(1),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14)
L1326368-01W	Amber 1000ml unpreserved split	A	N/A	2.4	Y	Absent	TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L1326368-01X	Vial unpreserved split	A	N/A	2.4	Y	Absent	TCLP-VOA(14)
L1326368-01Y	Vial unpreserved split	A	N/A	2.4	Y	Absent	TCLP-VOA(14)
L1326368-01Z	Plastic 250ml HNO3 preserved spl	A	<2	2.4	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)

*Values in parentheses indicate holding time in days

Project Name:	BASF GLENS FALLS, NY	**Lab Number:**	L1326368
Project Number:	Not Specified	**Report Date:**	01/07/14

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with 'J' Qualifiers

Project Name:	BASF GLENS FALLS, NY	**Lab Number:**	L1326368
Project Number:	Not Specified	**Report Date:**	01/07/14

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	BASF GLENS FALLS, NY	**Lab Number:**	L1326368
Project Number:	Not Specified	**Report Date:**	01/07/14

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

L1326368

Chain of Custody Record

Client Contact	Project Manager: P. Malmquist	Site Contact: B. Rosini	Date: 12/30/2013	COC No: 131230-1
AMO Environmental Decisions	Tel: 215-230-8282	Tel: 610-306-5741	Carrier: AMO / Alpha	1 of 1 COCs
4327 Point Pleasant Pike PO Box 410	Analysis Turnaround Time			Job No.
Danboro, PA 18916	Work Days			
215-230-8282	TAT if different from Below :			SDG No.
215-230-8283	☐ 2 weeks			
Project Name: BASF Glens Falls, NY	■ 1 week			
Site: BASF Glens Falls, NY	☐ 2 days			
Regulatory Program: NYSDEC Part 375 / Superfund	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Flashpoint	Reactivity-Cyanide	Reactivity-Sulfide	Total Cyanide	TPH-DRO & GRO	pH	PCBs	TCLP VOCs	TCLP BNAs	TCLP Metals	TCLP Herbicides	TCLP Pesticides	Sample Specific Notes:
WCS131230-1	12/30/2013	1100	Composite	Soil			X	X	X	X	X	X	X	X	X	X	X	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ■

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ■ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments: All lab protocols, reports, and electronic deliverables to comply with NYSDEC Part 375. Reporting limits to comply with Unrestricted Use Soil Standards. NJ Hazsite style EDD required within indicated TAT.

Relinquished by: Brian Rosini	Company: AMO Environmental Decisions	Date/Time: 12/30 1220	Received by:	Company:	Date/Time: 12-30-13 12:20
Relinquished by:	Company: ALPHA	Date/Time: 12-30-13	Received by:	Company: ALPHA	Date/Time: 12-30-13 18:12
Relinquished by:	Company: ALPHA	Date/Time: 12-30-13	Received by:	Company: ALPHA	Date/Time: 12/30/13 20:35

APPENDIX D
Community Air Monitoring Plan

BASF Corporation's (BASF's) work plan for targeted removal of soil from the North Lot and Pre-Treatment Plant (PTP) Parcel of the Glens Falls property considers applicable portions of *6NYCRR Part 375* and New York State Department of Environmental Conservation's (NYSDEC's) *Technical Guidance for Site Investigation and Remediation* (DER-10). This *Community Air Monitoring Plan* (CAMP) is prepared based on Section 1.9 of DER-10, and designed to protect the public, living and working near the work area(s), from exposure to site contaminants during intrusive activities.

Investigations used to define the target removal areas considered site related constituents of concern (COCs) identified through several phases of earlier investigation. Metals were the only COCs detected at levels above NYSDEC *Commercial Soil Cleanup Objectives* (SCOs) in the target areas. This CAMP therefore includes appropriate measures for fugitive dust and particulate monitoring as described in Appendix 1B of DER-10. *(Volatile organic compounds were not identified during sampling/analyses tasks in the targeted areas. Therefore, real-time vapor monitoring is not deemed necessary during invasive activity in these areas.).*

Air monitoring and dust suppression measures will focus on particulates that could be associated with the following metals and correlating Occupational Health and Safety Administration (OSHA) 8-hour time weighted average (TWA) permissible exposure limits (PEL).

Parameter	Particulate Exposure Limit*	
Barium	500	micrograms/m^3
Lead	50	
Mercury	10	
Cadmium	5*	

The most stringent OSHA 8-hour TWA PEL (*) will be used to assess the need for dust suppression based on 15-minute average readings. The following outlines field measurement procedures and related performance parameters.

During excavation and soil load out activities, particulate level will be continuously monitored using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes. The monitor will be equipped with an audible alarm set to indicate an exceedance of the 5 micrograms/m^3 action limit. Field personnel responsible for using the particulate monitor will be properly trained on calibration, operation, performance checks, and record keeping. Additional capabilities of the particulate monitor include:

- Capable of measuring dust, mists or aerosols;
- Measurement Range of 1 to 400,000 micrograms/m^3 ;
- Precision (2-sigma) at constant temperature: +/- 10 :g/m^3 for one second averaging; and +/- 1.5 g/m^3 for sixty second averaging;
- Accuracy: +/- 5% of reading +/- precision (Referred to gravimetric calibration with SAE fine test dust (mmd= 2 to 3 :m, g= 2.5, as aerosolized);
- Resolution: 0.1% of reading or 1g/m^3, whichever is larger;
- Particle Size Range of Maximum Response: 0.1-10;
- Total Number of Data Points in Memory: 10,000;
- Logged Data: Each data point with average concentration, time/date and data point number
- Run Summary: overall average, maximum concentrations, time/date of maximum, total number of logged points, start time/date, total elapsed time (run duration), STEL concentration and time/date occurrence, averaging (logging) period, calibration factor, and tag number;
- Alarm Averaging Time (user selectable): real-time (1-60 seconds) or STEL (15 minutes), alarms required;
- Operating Time: 48 hours (fully charged NiCd battery); continuously with charger;
- Operating Temperature: -10 to 50^o C (14 to 122^o F).

Monitoring will occur in each work zone to evaluate potential worker exposure. Due to the small aerial extent of disturbance and short time frame each location will be exposed, one particulate monitor will be used within the work area. The monitor will be located at a height of approximately five feet above the ground surface (average height of a worker's nose and mouth) immediately downwind of the excavation operation.

Work zone particulate levels represent the highest airborne particulate concentrations associated with the remedial activity. Therefore, if particulate levels are within acceptable worker exposure limits, potential receptors located at greater distances from the work zone will not be at risk of exposure. It is noted that the proposed particulate action limit of 5 micrograms/m^3 is orders of magnitude more stringent that NYSDEC's generic limit of 100 micrograms/m^3 above upwind particulate readings.

In the event any 15-minute average particulate reading exceeds the most stringent site-specific exposure/action limit (5 micrograms/m^3), activities will stop and dust suppression procedures will be instituted. Suppression measures will include wetting the surface of the excavation as well as the bucket of excavation equipment. In the event prevailing winds create dust levels above the exposure limit, remedial activities will be halted until winds subside. It is noted that shallow soils beneath the subject property are clay rich and moist. These conditions will aid in the minimization of dust generation.

Particulate dust monitor readings will be recorded by AMO field personnel and/or electronically downloaded at the end of each work day. Measurement results will be documented in our report. The complete electronic file of these readings will be available for review upon request.

BASF

The Chemical Company

Stephen K. Havlik
Sr. Remediation Project Manager
Telephone: (732) 914-2542
Fax: (973) 307-2309
E-mail: steve.havlik@basf.com

May 20, 2014

Transmitted via Internet Mail

Mr. Brian Jankauskas, P.E.
Environmental Engineer II
Remedial Bureau A, Section C
New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau A, 12th Floor
625 Broadway, Albany, New York 12233-7015

Subject: Addendum A to Work Plan for Target Removal Tasks at North Lot and Pre-Treatment Plant Parcels of BASF Corporation's Glens Falls, New York Property

Dear Mr. Jankauskas:

Please find attached Addendum A to the subject work plan, which was prepared and submitted to your office on April 23, 2014. The addendum has been prepared pursuant to your conversations with AMO Environmental Decisions (AMO) on April 29, 2014, and our desire to assist your review of the work plan by providing more detail regarding the scope of recent investigation and delineation work. To that end, the addendum expands Figure 3 and Tables 2 and 3 of the work plan, and further details the respective sampling/analysis scopes of work.

As discussed during communications last month, BASF Corporation (BASF) would like to perform the voluntary target removals as soon as possible. We have updated the *Community Air Monitoring Plan* (CAMP, Appendix D to work plan) (attached) to include background/upwind monitoring you suggested. We have also answered several immediate questions that did not require changes to the work plan. This is an excellent time of year to perform the small scale of work we are proposing.

We understand that we do not require New York State Department of Environmental Conservation's (NYSDEC's) formal written authorization to proceed regarding this work. However, we would appreciate a verbal or internet mail reply that affirms your general acceptance of the plan. In addition, as per your conversation with Mr. Jay Ash (AMO Project Manager) on April 29th, please remember that our final report for all recent investigation and target removal work will fully document rationale, scope, and results of this work.

Thanks again for your open lines of communication. We will provide you with at least a week's notice prior to our mobilization of the target removal tasks. Please feel free to contact Jay Ash (215-230-8282) or me (732-914-2542) if you have any questions regarding our work plan or this addendum.

Respectfully,

BASF Corporation

SK Havlik

Stephen K. Havlik
Sr. Remediation Project Manager

attachments
cf: File
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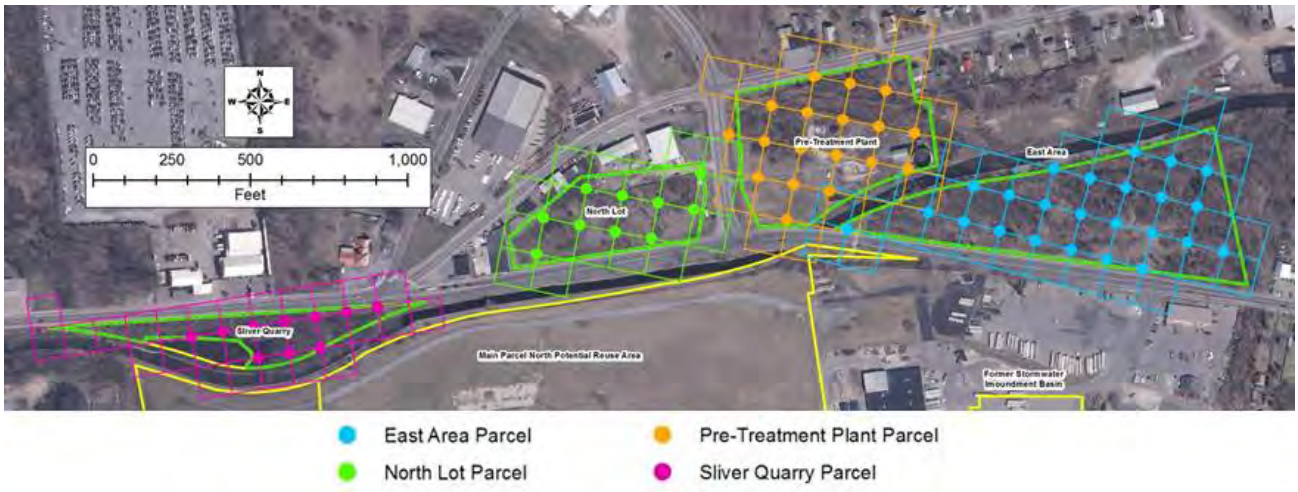
The following provides selected background information in support of BASF Corporation's (BASF's) *Work Plan for Target Removal Tasks* (April 2014) at certain parcels of its Glens Falls, New York property. The most significant information includes identification of, and sharing of results for, all areas of BASF's recent investigation. As discussed below, Figure 3 and Tables 2 and 3 of the April 2014 work plan have been expanded.

Investigation Sampling/Analysis Scope

A systematic random soil sampling plan was implemented in the Sliver Quarry, North Lot, Pre-Treatment Plant (PTP), and East Area parcels. The purpose of the investigation was to provide a statistically-supported assessment of near-surface, parcel-wide soil conditions that might be used to evaluate potential redeployment alternatives.

The sampling plan is summarized below. Statistically-based, random sampling techniques were employed on gridded areas of each parcel. Each sampling grid had a random origin and orientation. The Sliver Quarry sampling grid included 100-foot centered node spacing. North Lot, PTP, and East Area sampling grids included approximate 117-foot centered node spacing. This approach resulted in the following number of sample locations anticipated for the respective parcels.

Parcel	# Acres	# Sample Lctns.
Sliver Quarry	2.4	10
North Lot	3.1	10
Pre-Treatment Plant	5.6	18
East Area	7.6	24



Each sample location was investigated to a depth of approximately three feet below ground surface (bgs) using direct-push drilling methods (or hand-auger where necessary). Sample selection for the parcels was biased based on: indications of potential contamination; the 6-inch interval above the zone judged to be least permeable; or the 1.5 to 2.0-foot bgs default interval.

Soil samples were submitted for laboratory analysis of targeted volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals, cyanide, and polychlorinated biphenyls (PCBs). The targeted analyte list is given in Table 1 of the April 2014 work plan. It is based upon AMO's review of the current

GIS database and constituents detected in soil and groundwater at levels above applicable New York State Department of Environmental Conservation (NYSDEC) standards (in particular, *Commercial Soil Cleanup Objectives* (SCOs).

The sampling program was designed to take advantage of the laboratory's ability to achieve reporting limits (RLs) that are equal to one half the most stringent applicable NYSDEC standard for each analyte. AMO Environmental Decisions (AMO) therefore submitted each sample to the laboratory for individual extractions, and compositing at a rate of two aliquots per composite sample.

Analytical results for composite samples that were non-detect, given the reduced RLs, were also non-detect for the respective aliquots relative to NYSDEC standards. Conversely, analyses of individual aliquots were required in instances where analytes were detected in the respective composite sample analyses.

The compositing program was applied to all analytical fractions except VOCs. Each soil sample was analyzed directly for VOCs because it was unlikely the laboratory could achieve RLs that were one half the most stringent applicable NYSDEC standard(s).

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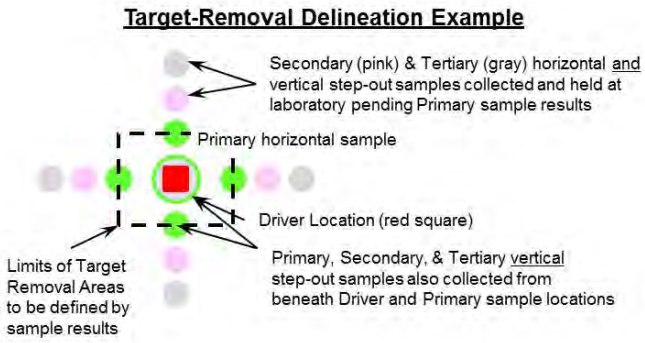
Figure 3 is provided in the April 2014 work plan and attached in expanded form. It has been expanded to include Sliver Quarry and East Area sample locations. Table 2/3 is also attached, which expands information provided in April 2014 work plan Tables 2 and 3. Figure 3 and Table 2/3 are cross-reference by location identifiers.

Pre-Removal Delineation Sampling/Analysis Scope

Results of BASF's April 2013 investigation identified potential constituents of concern (COCs) in isolated, near-surface locations at the North Lot and PTP Parcel. Related plans to remove these COCs involve: cadmium as the target metal in the North Lot (Location N002); and cadmium, barium, lead, and/or mercury as the target metals in the PTP Parcel (Locations P004 & P005). See Figure 3 and Table 2/3 (attached).

In an effort to minimize the area/volume of excavated soil, as well as number of mobilizations, AMO pre-delineated each of the three locations using the sampling/analysis methodology given to right. Results of the November 2013 sampling effort are summarized in Figures 3 and 4 and Table 2/3. Figure 4 is included in the April 2014 work plan, and reproduced in this addendum for readers' convenience.



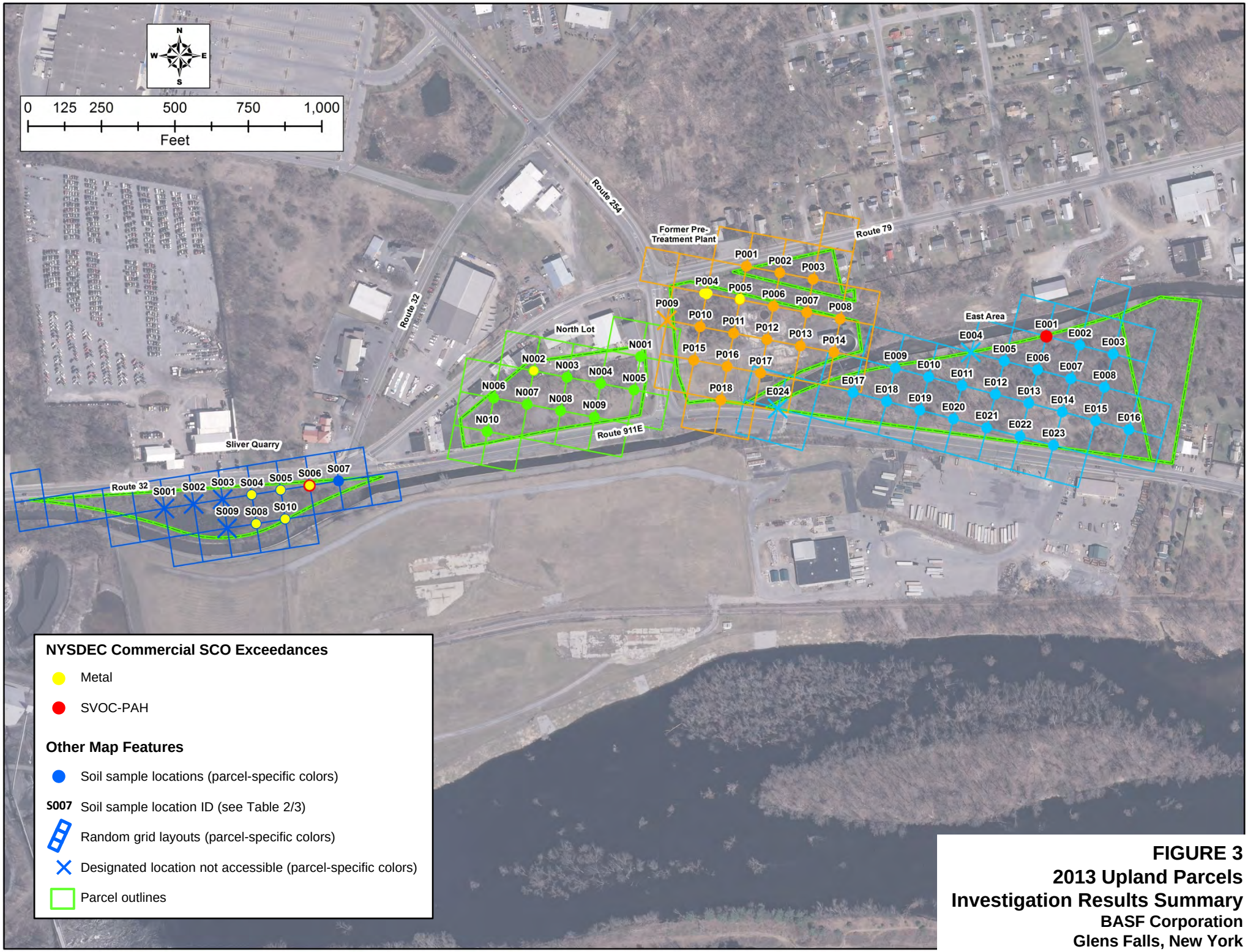


FIGURE 3
2013 Upland Parcels
Investigation Results Summary
BASF Corporation
Glens Falls, New York

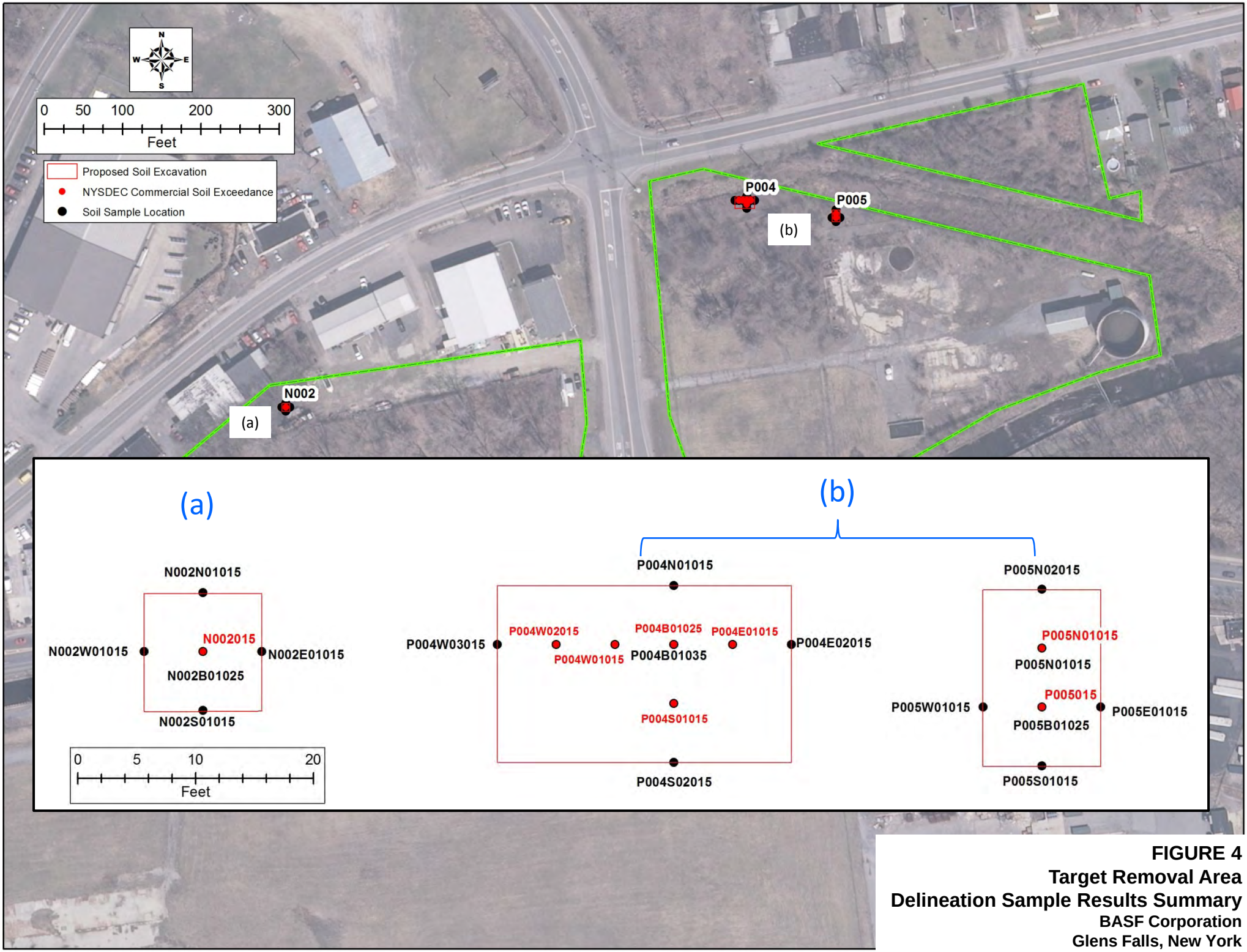


FIGURE 4
Target Removal Area
Delineation Sample Results Summary
BASF Corporation
Glens Falls, New York

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	Metal	Chromium	7440-47-3	11.0000		1,500.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	83.0000		NL
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	1.6000		5.60
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	1.6000		1.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.9800		5.60
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	1.0000		56.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	SVOC-PAH	CHRYSENE	218-01-9	1.6000		56.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.9100		5.60
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0003	U	130.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	VOC	CHLOROBENZENE	108-90-7	0.0004	U	500.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	VOC	CHLOROMETHANE	74-87-3	0.0009	U	NL
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	VOC	TOLUENE	108-88-3	0.0001	U	500.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	VOC	VINYL CHLORIDE	75-01-4	0.0002	U	13.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2800	U	27.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	Metal	Arsenic	7440-38-2	1.2000		16.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	Metal	Barium	7440-39-3	26.0000		400.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	Metal	Beryllium	7440-41-7	0.2200	J	590.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	Metal	Cadmium	7440-43-9	0.2700	J	9.30
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	Metal	Chromium	7440-47-3	7.9000		1,500.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	Metal	Copper	7440-50-8	6.6000		270.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	Metal	Lead	7439-92-1	12.0000		1,000.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	Metal	Mercury	7439-97-6	0.0400	J	2.80
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	Metal	Nickel	7440-02-0	3.9000		310.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	Metal	Selenium	7782-49-2	0.4400	J	1,500.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	Metal	Silver	7440-22-4	0.1000	U	1,500.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	Metal	Zinc	7440-66-6	31.0000		10,000.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	82.0000		NL
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0520	U	NL
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0510	U	NL
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	1.2000		5.60
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	1.1000		1.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	1.2000		5.60
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.4400		56.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	SVOC-PAH	CHRYSENE	218-01-9	1.2000		56.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.1500		0.56
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	SVOC-PAH	FLUORENE	86-73-7	0.0570	U	500.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.6100		5.60

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.2600		500.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0600	U	NL
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0660	U	500.00
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0430	U	6.70
East Area Parcel	Remaining	E001	E001015	1.5	4/1/2013	SVOC-Phenol	PHENOL	108-95-2	0.0590	U	500.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2800	U	27.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	Metal	Arsenic	7440-38-2	1.2000		16.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	Metal	Barium	7440-39-3	26.0000		400.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	Metal	Beryllium	7440-41-7	0.2200	J	590.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	Metal	Cadmium	7440-43-9	0.2700	J	9.30
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	Metal	Chromium	7440-47-3	7.9000		1,500.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	Metal	Copper	7440-50-8	6.6000		270.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	Metal	Lead	7439-92-1	12.0000		1,000.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	Metal	Mercury	7439-97-6	0.0400	J	2.80
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	Metal	Nickel	7440-02-0	3.9000		310.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	Metal	Selenium	7782-49-2	0.4400	J	1,500.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	Metal	Silver	7440-22-4	0.1000	U	1,500.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	Metal	Zinc	7440-66-6	31.0000		10,000.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	82.0000		NL
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0520	U	NL
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0510	U	NL
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	1.2000		5.60
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	1.1000		1.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	1.2000		5.60
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.4400		56.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	SVOC-PAH	CHRYSENE	218-01-9	1.2000		56.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.1500		0.56
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	SVOC-PAH	FLUORENE	86-73-7	0.0570	U	500.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.6100		5.60
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.2600		500.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0600	U	NL
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0660	U	500.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0430	U	6.70
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	SVOC-Phenol	PHENOL	108-95-2	0.0590	U	500.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	Metal	Chromium	7440-47-3	4.5000		1,500.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	81.0000		NL
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0200	U	5.60
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0250	U	1.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0200	U	5.60
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0190	U	56.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0200	U	56.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0220	U	5.60
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0003	U	130.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	VOC	CHLOROBENZENE	108-90-7	0.0004	U	500.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	VOC	CHLOROMETHANE	74-87-3	0.0008	U	NL
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	VOC	TOLUENE	108-88-3	0.0001	U	500.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
East Area Parcel	Remaining	E002	E002015	1.5	4/1/2013	VOC	VINYL CHLORIDE	75-01-4	0.0001	U	13.00
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	Metal	Chromium	7440-47-3	28.0000		1,500.00
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	77.0000		NL
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0003	U	130.00
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	VOC	CHLOROBENZENE	108-90-7	0.0004	U	500.00
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	VOC	CHLOROMETHANE	74-87-3	0.0008	U	NL
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	VOC	TOLUENE	108-88-3	0.0001	U	500.00
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	VOC	VINYL CHLORIDE	75-01-4	0.0002	U	13.00
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.3000	U	27.00
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	Metal	Arsenic	7440-38-2	2.4000		16.00
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	Metal	Barium	7440-39-3	61.0000		400.00
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	Metal	Beryllium	7440-41-7	0.6200		590.00
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	Metal	Cadmium	7440-43-9	0.3400	J	9.30
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	Metal	Chromium	7440-47-3	18.0000		1,500.00
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	Metal	Copper	7440-50-8	11.0000		270.00
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	Metal	Lead	7439-92-1	8.2000		1,000.00
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	Metal	Mercury	7439-97-6	0.0600	J	2.80
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	Metal	Nickel	7440-02-0	14.0000		310.00
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	Metal	Selenium	7782-49-2	0.9800	J	1,500.00
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	Metal	Silver	7440-22-4	0.1000	U	1,500.00
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	Metal	Zinc	7440-66-6	45.0000		10,000.00
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	77.0000		NL
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0560	U	NL
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0540	U	NL
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0420	U	5.60
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0520	U	1.00
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0430	U	5.60
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0410	U	56.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0420	U	56.00
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0410	U	0.56
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	SVOC-PAH	FLUORENE	86-73-7	0.0610	U	500.00
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0470	U	5.60
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0420	U	500.00
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0640	U	NL
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0700	U	500.00
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0460	U	6.70
East Area Parcel	Remaining	E003	E003015	1.5	4/1/2013	SVOC-Phenol	PHENOL	108-95-2	0.0630	U	500.00
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	Metal	Chromium	7440-47-3	14.0000		1,500.00
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	Metal	Mercury	7439-97-6	0.1800		2.80
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	74.0000		NL
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0003	U	130.00
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0003	U	22.00
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	VOC	CHLOROBENZENE	108-90-7	0.0004	U	500.00
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	VOC	CHLOROMETHANE	74-87-3	0.0009	U	NL
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	VOC	TOLUENE	108-88-3	0.0001	U	500.00
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0003	U	500.00
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	VOC	VINYL CHLORIDE	75-01-4	0.0002	U	13.00
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.3000	U	27.00
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	Metal	Arsenic	7440-38-2	1.8000		16.00
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	Metal	Barium	7440-39-3	45.0000		400.00
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	Metal	Beryllium	7440-41-7	0.4700		590.00
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	Metal	Cadmium	7440-43-9	0.9800		9.30
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	Metal	Chromium	7440-47-3	38.0000		1,500.00
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	Metal	Copper	7440-50-8	8.0000		270.00
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	Metal	Lead	7439-92-1	22.0000		1,000.00
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	Metal	Mercury	7439-97-6	0.2700		2.80
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	Metal	Nickel	7440-02-0	7.7000		310.00
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	Metal	Selenium	7782-49-2	0.3200	J	1,500.00
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	Metal	Silver	7440-22-4	0.1000	U	1,500.00
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	Metal	Zinc	7440-66-6	35.0000		10,000.00
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	75.0000		NL
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0570	U	NL
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0550	U	NL
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0420	U	5.60
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0530	U	1.00
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0440	U	5.60
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0410	U	56.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0420	U	56.00
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0420	U	0.56
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	SVOC-PAH	FLUORENE	86-73-7	0.0620	U	500.00
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0480	U	5.60
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0420	U	500.00
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0650	U	NL
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0710	U	500.00
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0460	U	6.70
East Area Parcel	Remaining	E005	E005015	1.5	4/1/2013	SVOC-Phenol	PHENOL	108-95-2	0.0640	U	500.00
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	Metal	Chromium	7440-47-3	49.0000		1,500.00
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	Metal	Mercury	7439-97-6	0.3100		2.80
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	72.0000		NL
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0003	U	500.00
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0003	U	280.00
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0004	U	130.00
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	VOC	BENZENE	71-43-2	0.0002	U	44.00
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0003	U	22.00
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	VOC	CHLOROBENZENE	108-90-7	0.0005	U	500.00
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	VOC	CHLOROFORM	67-66-3	0.0005	U	350.00
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	VOC	CHLOROMETHANE	74-87-3	0.0011	U	NL
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	VOC	TOLUENE	108-88-3	0.0002	U	500.00
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0003	U	500.00
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	VOC	VINYL CHLORIDE	75-01-4	0.0002	U	13.00
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2900	U	27.00
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	Metal	Arsenic	7440-38-2	3.0000		16.00
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	Metal	Barium	7440-39-3	48.0000		400.00
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	Metal	Beryllium	7440-41-7	0.4400		590.00
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	Metal	Cadmium	7440-43-9	0.8500		9.30
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	Metal	Chromium	7440-47-3	30.0000		1,500.00
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	Metal	Copper	7440-50-8	10.0000		270.00
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	Metal	Lead	7439-92-1	23.0000		1,000.00
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	Metal	Mercury	7439-97-6	0.1500		2.80
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	Metal	Nickel	7440-02-0	10.0000		310.00
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	Metal	Selenium	7782-49-2	0.6600	J	1,500.00
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	Metal	Silver	7440-22-4	0.1000	U	1,500.00
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	Metal	Zinc	7440-66-6	39.0000		10,000.00
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	76.0000		NL
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0570	U	NL
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0550	U	NL
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0420	U	5.60
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0530	U	1.00
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0440	U	5.60
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0410	U	56.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0430	U	56.00
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0420	U	0.56
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	SVOC-PAH	FLUORENE	86-73-7	0.0620	U	500.00
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0480	U	5.60
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0420	U	500.00
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0660	U	NL
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0710	U	500.00
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0460	U	6.70
East Area Parcel	Remaining	E006	E006015	1.5	4/1/2013	SVOC-Phenol	PHENOL	108-95-2	0.0640	U	500.00
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	Metal	Chromium	7440-47-3	11.0000		1,500.00
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	Metal	Mercury	7439-97-6	0.0300	J	2.80
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	80.0000		NL
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0003	U	130.00
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	VOC	CHLOROBENZENE	108-90-7	0.0004	U	500.00
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	VOC	CHLOROMETHANE	74-87-3	0.0008	U	NL
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	VOC	TOLUENE	108-88-3	0.0001	U	500.00
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	VOC	VINYL CHLORIDE	75-01-4	0.0002	U	13.00
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2900	U	27.00
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	Metal	Arsenic	7440-38-2	3.0000		16.00
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	Metal	Barium	7440-39-3	48.0000		400.00
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	Metal	Beryllium	7440-41-7	0.4400		590.00
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	Metal	Cadmium	7440-43-9	0.8500		9.30
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	Metal	Chromium	7440-47-3	30.0000		1,500.00
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	Metal	Copper	7440-50-8	10.0000		270.00
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	Metal	Lead	7439-92-1	23.0000		1,000.00
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	Metal	Mercury	7439-97-6	0.1500		2.80
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	Metal	Nickel	7440-02-0	10.0000		310.00
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	Metal	Selenium	7782-49-2	0.6600	J	1,500.00
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	Metal	Silver	7440-22-4	0.1000	U	1,500.00
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	Metal	Zinc	7440-66-6	39.0000		10,000.00
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	76.0000		NL
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0570	U	NL
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0550	U	NL
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0420	U	5.60
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0530	U	1.00
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0440	U	5.60
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0410	U	56.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0430	U	56.00
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0420	U	0.56
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	SVOC-PAH	FLUORENE	86-73-7	0.0620	U	500.00
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0480	U	5.60
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0420	U	500.00
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0660	U	NL
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0710	U	500.00
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0460	U	6.70
East Area Parcel	Remaining	E007	E007015	1.5	4/1/2013	SVOC-Phenol	PHENOL	108-95-2	0.0640	U	500.00
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	Metal	Chromium	7440-47-3	7.9000		1,500.00
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	76.0000		NL
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0003	U	130.00
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	VOC	CHLOROBENZENE	108-90-7	0.0004	U	500.00
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	VOC	CHLOROMETHANE	74-87-3	0.0009	U	NL
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	VOC	TOLUENE	108-88-3	0.0001	U	500.00
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	VOC	VINYL CHLORIDE	75-01-4	0.0002	U	13.00
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.3000	U	27.00
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	Metal	Arsenic	7440-38-2	2.4000		16.00
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	Metal	Barium	7440-39-3	61.0000		400.00
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	Metal	Beryllium	7440-41-7	0.6200		590.00
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	Metal	Cadmium	7440-43-9	0.3400	J	9.30
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	Metal	Chromium	7440-47-3	18.0000		1,500.00
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	Metal	Copper	7440-50-8	11.0000		270.00
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	Metal	Lead	7439-92-1	8.2000		1,000.00
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	Metal	Mercury	7439-97-6	0.0600	J	2.80
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	Metal	Nickel	7440-02-0	14.0000		310.00
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	Metal	Selenium	7782-49-2	0.9800	J	1,500.00
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	Metal	Silver	7440-22-4	0.1000	U	1,500.00
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	Metal	Zinc	7440-66-6	45.0000		10,000.00
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	77.0000		NL
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0560	U	NL
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0540	U	NL
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0420	U	5.60
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0520	U	1.00
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0430	U	5.60
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0410	U	56.00
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0420	U	56.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0410	U	0.56
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	SVOC-PAH	FLUORENE	86-73-7	0.0610	U	500.00
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0470	U	5.60
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0420	U	500.00
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0640	U	NL
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0700	U	500.00
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0460	U	6.70
East Area Parcel	Remaining	E008	E008015	1.5	4/1/2013	SVOC-Phenol	PHENOL	108-95-2	0.0630	U	500.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	Metal	Chromium	7440-47-3	14.0000		1,500.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	Metal	Mercury	7439-97-6	0.0900		2.80
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	91.0000		NL
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.6300		5.60
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.5600		1.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.6200		5.60
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	SVOC-PAH	CHRYSENE	218-01-9	0.6300		56.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.4000		5.60
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0001	U	30.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0002	U	130.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	VOC	CHLOROBENZENE	108-90-7	0.0003	U	500.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	VOC	CHLOROMETHANE	74-87-3	0.0008	U	NL
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	VOC	ETHYLBENZENE	100-41-4	0.0001	U	390.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	VOC	TOLUENE	108-88-3	0.0001	U	500.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	VOC	VINYL CHLORIDE	75-01-4	0.0001	U	13.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2500	U	27.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	Metal	Arsenic	7440-38-2	2.1000		16.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	Metal	Barium	7440-39-3	63.0000		400.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	Metal	Beryllium	7440-41-7	0.5700		590.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	Metal	Cadmium	7440-43-9	1.2000		9.30
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	Metal	Chromium	7440-47-3	23.0000		1,500.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	Metal	Copper	7440-50-8	12.0000		270.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	Metal	Lead	7439-92-1	20.0000		1,000.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	Metal	Mercury	7439-97-6	0.1200	J	2.80
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	Metal	Nickel	7440-02-0	13.0000		310.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	Metal	Selenium	7782-49-2	0.3700	J	1,500.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	Metal	Silver	7440-22-4	0.0900	U	1,500.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	Metal	Zinc	7440-66-6	44.0000		10,000.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	88.0000		NL
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0490	U	NL
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0480	U	NL

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.6800		5.60
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.6400		1.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.7900		5.60
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.2700		56.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	SVOC-PAH	CHRYSENE	218-01-9	0.7300		56.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.1000	J	0.56
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	SVOC-PAH	FLUORENE	86-73-7	0.0540	U	500.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.4100		5.60
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.1500		500.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0570	U	NL
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0620	U	500.00
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0400	U	6.70
East Area Parcel	Remaining	E009	E009015	1.5	4/2/2013	SVOC-Phenol	PHENOL	108-95-2	0.0560	U	500.00
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	Metal	Chromium	7440-47-3	10.0000		1,500.00
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	87.0000		NL
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0001	U	30.00
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0002	U	130.00
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	VOC	CHLOROBENZENE	108-90-7	0.0003	U	500.00
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	VOC	CHLOROFORM	67-66-3	0.0003	U	350.00
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	VOC	CHLOROMETHANE	74-87-3	0.0007	U	NL
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0001	U	500.00
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	VOC	ETHYLBENZENE	100-41-4	0.0001	U	390.00
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	VOC	TOLUENE	108-88-3	0.0001	U	500.00
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	VOC	TRICHLOROETHENE	79-01-6	0.0001	U	200.00
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	VOC	VINYL CHLORIDE	75-01-4	0.0001	U	13.00
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.3000	U	27.00
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	Metal	Arsenic	7440-38-2	1.2000		16.00
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	Metal	Barium	7440-39-3	30.0000		400.00
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	Metal	Beryllium	7440-41-7	0.4400		590.00
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	Metal	Cadmium	7440-43-9	0.0600	J	9.30
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	Metal	Chromium	7440-47-3	11.0000		1,500.00
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	Metal	Copper	7440-50-8	5.5000		270.00
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	Metal	Lead	7439-92-1	4.4000		1,000.00
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	Metal	Mercury	7439-97-6	0.0200	U	2.80
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	Metal	Nickel	7440-02-0	6.6000		310.00
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	Metal	Selenium	7782-49-2	0.1500	J	1,500.00
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	Metal	Silver	7440-22-4	0.1000	U	1,500.00
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	Metal	Zinc	7440-66-6	34.0000		10,000.00
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	74.0000		NL
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0580	U	NL
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0570	U	NL
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0440	U	5.60

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0540	U	1.00
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0450	U	5.60
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0420	U	56.00
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0440	U	56.00
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0430	U	0.56
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	SVOC-PAH	FLUORENE	86-73-7	0.0640	U	500.00
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0500	U	5.60
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0440	U	500.00
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0670	U	NL
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0730	U	500.00
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0480	U	6.70
East Area Parcel	Remaining	E010	E010015	1.5	4/2/2013	SVOC-Phenol	PHENOL	108-95-2	0.0660	U	500.00
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.3000	U	27.00
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	Metal	Arsenic	7440-38-2	1.2000		16.00
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	Metal	Barium	7440-39-3	30.0000		400.00
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	Metal	Beryllium	7440-41-7	0.4400		590.00
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	Metal	Cadmium	7440-43-9	0.0600	J	9.30
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	Metal	Chromium	7440-47-3	11.0000		1,500.00
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	Metal	Copper	7440-50-8	5.5000		270.00
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	Metal	Lead	7439-92-1	4.4000		1,000.00
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	Metal	Mercury	7439-97-6	0.0200	U	2.80
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	Metal	Nickel	7440-02-0	6.6000		310.00
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	Metal	Selenium	7782-49-2	0.1500	J	1,500.00
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	Metal	Silver	7440-22-4	0.1000	U	1,500.00
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	Metal	Zinc	7440-66-6	34.0000		10,000.00
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	74.0000		NL
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0580	U	NL
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0570	U	NL
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0440	U	5.60
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0540	U	1.00
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0450	U	5.60
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0420	U	56.00
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0440	U	56.00
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0430	U	0.56
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	SVOC-PAH	FLUORENE	86-73-7	0.0640	U	500.00
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0500	U	5.60
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0440	U	500.00
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0670	U	NL
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0730	U	500.00
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0480	U	6.70
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	SVOC-Phenol	PHENOL	108-95-2	0.0660	U	500.00
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	Metal	Chromium	7440-47-3	11.0000		1,500.00
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	61.0000		NL
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0003	U	500.00
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0003	U	280.00
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0004	U	130.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	VOC	BENZENE	71-43-2	0.0002	U	44.00
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0003	U	22.00
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	VOC	CHLOROBENZENE	108-90-7	0.0006	U	500.00
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	VOC	CHLOROFORM	67-66-3	0.0006	U	350.00
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	VOC	CHLOROMETHANE	74-87-3	0.0013	U	NL
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	VOC	TOLUENE	108-88-3	0.0002	U	500.00
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0004	U	500.00
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	VOC	TRICHLOROETHENE	79-01-6	0.0003	U	200.00
East Area Parcel	Remaining	E011	E011015	1.5	4/2/2013	VOC	VINYL CHLORIDE	75-01-4	0.0002	U	13.00
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.3000	U	27.00
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	Metal	Arsenic	7440-38-2	1.8000		16.00
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	Metal	Barium	7440-39-3	45.0000		400.00
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	Metal	Beryllium	7440-41-7	0.4700		590.00
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	Metal	Cadmium	7440-43-9	0.9800		9.30
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	Metal	Chromium	7440-47-3	38.0000		1,500.00
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	Metal	Copper	7440-50-8	8.0000		270.00
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	Metal	Lead	7439-92-1	22.0000		1,000.00
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	Metal	Mercury	7439-97-6	0.2700		2.80
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	Metal	Nickel	7440-02-0	7.7000		310.00
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	Metal	Selenium	7782-49-2	0.3200	J	1,500.00
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	Metal	Silver	7440-22-4	0.1000	U	1,500.00
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	Metal	Zinc	7440-66-6	35.0000		10,000.00
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	75.0000		NL
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0570	U	NL
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0550	U	NL
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0420	U	5.60
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0530	U	1.00
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0440	U	5.60
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0410	U	56.00
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0420	U	56.00
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0420	U	0.56
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	SVOC-PAH	FLUORENE	86-73-7	0.0620	U	500.00
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0480	U	5.60
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0420	U	500.00
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0650	U	NL
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0710	U	500.00
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0460	U	6.70
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	SVOC-Phenol	PHENOL	108-95-2	0.0640	U	500.00
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	Metal	Chromium	7440-47-3	55.0000		1,500.00
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	Metal	Mercury	7439-97-6	0.3700		2.80
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	76.0000		NL
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0003	U	130.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	VOC	CHLOROBENZENE	108-90-7	0.0004	U	500.00
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	VOC	CHLOROMETHANE	74-87-3	0.0009	U	NL
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	VOC	TOLUENE	108-88-3	0.0001	U	500.00
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
East Area Parcel	Remaining	E012	E012015	1.5	4/1/2013	VOC	VINYL CHLORIDE	75-01-4	0.0002	U	13.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	Metal	Cadmium	7440-43-9	2.8000		9.30
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	Metal	Chromium	7440-47-3	87.0000		1,500.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	Metal	Chromium(VI)	18540-29-9	0.3100	U	400.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	Metal	Lead	7439-92-1	62.0000		1,000.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	Metal	Mercury	7439-97-6	0.6100		2.80
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	58.0000		NL
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0003	U	500.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0003	U	280.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0004	U	130.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	VOC	BENZENE	71-43-2	0.0002	U	44.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0004	U	22.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	VOC	CHLOROBENZENE	108-90-7	0.0006	U	500.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	VOC	CHLOROFORM	67-66-3	0.0006	U	350.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	VOC	CHLOROMETHANE	74-87-3	0.0013	U	NL
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0003	U	500.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	VOC	TOLUENE	108-88-3	0.0002	U	500.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0004	U	500.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	VOC	TRICHLOROETHENE	79-01-6	0.0003	U	200.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	VOC	VINYL CHLORIDE	75-01-4	0.0002	U	13.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.3500	U	27.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	Metal	Arsenic	7440-38-2	2.0000		16.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	Metal	Barium	7440-39-3	28.0000		400.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	Metal	Beryllium	7440-41-7	0.4500		590.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	Metal	Cadmium	7440-43-9	1.5000		9.30
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	Metal	Chromium	7440-47-3	49.0000		1,500.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	Metal	Copper	7440-50-8	8.6000		270.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	Metal	Lead	7439-92-1	34.0000		1,000.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	Metal	Mercury	7439-97-6	0.3000		2.80
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	Metal	Nickel	7440-02-0	7.2000		310.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	Metal	Selenium	7782-49-2	0.5000	J	1,500.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	Metal	Silver	7440-22-4	0.1200	U	1,500.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	Metal	Zinc	7440-66-6	34.0000		10,000.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	66.0000		NL
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0650	U	NL

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0630	U	NL
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0480	U	5.60
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0600	U	1.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0500	U	5.60
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0470	U	56.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0490	U	56.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0480	U	0.56
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	SVOC-PAH	FLUORENE	86-73-7	0.0710	U	500.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0550	U	5.60
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0480	U	500.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0750	U	NL
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0810	U	500.00
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0530	U	6.70
East Area Parcel	Remaining	E013	E013015	1.5	4/1/2013	SVOC-Phenol	PHENOL	108-95-2	0.0730	U	500.00
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	Metal	Cadmium	7440-43-9	0.5900		9.30
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	Metal	Chromium	7440-47-3	16.0000		1,500.00
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	Metal	Lead	7439-92-1	8.3000		1,000.00
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	Metal	Mercury	7439-97-6	0.0900		2.80
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	74.0000		NL
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0003	U	130.00
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0003	U	22.00
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	VOC	CHLOROBENZENE	108-90-7	0.0004	U	500.00
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	VOC	CHLOROFORM	67-66-3	0.0005	U	350.00
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	VOC	CHLOROMETHANE	74-87-3	0.0010	U	NL
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	VOC	TOLUENE	108-88-3	0.0001	U	500.00
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0003	U	500.00
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	VOC	VINYL CHLORIDE	75-01-4	0.0002	U	13.00
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.3500	U	27.00
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	Metal	Arsenic	7440-38-2	2.0000		16.00
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	Metal	Barium	7440-39-3	28.0000		400.00
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	Metal	Beryllium	7440-41-7	0.4500		590.00
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	Metal	Cadmium	7440-43-9	1.5000		9.30
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	Metal	Chromium	7440-47-3	49.0000		1,500.00
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	Metal	Copper	7440-50-8	8.6000		270.00
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	Metal	Lead	7439-92-1	34.0000		1,000.00
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	Metal	Mercury	7439-97-6	0.3000		2.80
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	Metal	Nickel	7440-02-0	7.2000		310.00
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	Metal	Selenium	7782-49-2	0.5000	J	1,500.00
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	Metal	Silver	7440-22-4	0.1200	U	1,500.00
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	Metal	Zinc	7440-66-6	34.0000		10,000.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	66.0000		NL
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0650	U	NL
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0630	U	NL
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0480	U	5.60
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0600	U	1.00
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0500	U	5.60
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0470	U	56.00
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0490	U	56.00
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0480	U	0.56
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	SVOC-PAH	FLUORENE	86-73-7	0.0710	U	500.00
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0550	U	5.60
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0480	U	500.00
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0750	U	NL
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0810	U	500.00
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0530	U	6.70
East Area Parcel	Remaining	E014	E014015	1.5	4/1/2013	SVOC-Phenol	PHENOL	108-95-2	0.0730	U	500.00
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	Metal	Chromium	7440-47-3	14.0000		1,500.00
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	81.0000		NL
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0003	U	130.00
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	VOC	CHLOROBENZENE	108-90-7	0.0004	U	500.00
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	VOC	CHLOROMETHANE	74-87-3	0.0009	U	NL
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	VOC	TOLUENE	108-88-3	0.0001	U	500.00
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0003	U	500.00
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	VOC	VINYL CHLORIDE	75-01-4	0.0002	U	13.00
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2800	U	27.00
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	Metal	Arsenic	7440-38-2	1.8000		16.00
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	Metal	Barium	7440-39-3	38.0000		400.00
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	Metal	Beryllium	7440-41-7	0.3400		590.00
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	Metal	Cadmium	7440-43-9	0.5500		9.30
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	Metal	Chromium	7440-47-3	18.0000		1,500.00
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	Metal	Copper	7440-50-8	9.5000		270.00
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	Metal	Lead	7439-92-1	21.0000		1,000.00
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	Metal	Mercury	7439-97-6	0.0700	J	2.80
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	Metal	Nickel	7440-02-0	5.4000		310.00
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	Metal	Selenium	7782-49-2	0.5900	J	1,500.00
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	Metal	Silver	7440-22-4	0.1000	U	1,500.00
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	Metal	Zinc	7440-66-6	36.0000		10,000.00
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	79.0000		NL

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0540	U	NL
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0520	U	NL
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0400	U	5.60
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0500	U	1.00
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0420	U	5.60
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0390	U	56.00
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0400	U	56.00
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0400	U	0.56
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	SVOC-PAH	FLUORENE	86-73-7	0.0590	U	500.00
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0460	U	5.60
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0400	U	500.00
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0620	U	NL
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0680	U	500.00
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0440	U	6.70
East Area Parcel	Remaining	E015	E015015	1.5	4/1/2013	SVOC-Phenol	PHENOL	108-95-2	0.0610	U	500.00
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	Metal	Chromium	7440-47-3	23.0000		1,500.00
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	78.0000		NL
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0003	U	130.00
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	VOC	BENZENE	71-43-2	0.0002	U	44.00
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0003	U	22.00
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	VOC	CHLOROBENZENE	108-90-7	0.0005	U	500.00
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	VOC	CHLOROFORM	67-66-3	0.0005	U	350.00
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	VOC	CHLOROMETHANE	74-87-3	0.0010	U	NL
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	VOC	TOLUENE	108-88-3	0.0002	U	500.00
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0003	U	500.00
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	VOC	VINYL CHLORIDE	75-01-4	0.0002	U	13.00
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2800	U	27.00
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	Metal	Arsenic	7440-38-2	1.8000		16.00
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	Metal	Barium	7440-39-3	38.0000		400.00
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	Metal	Beryllium	7440-41-7	0.3400		590.00
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	Metal	Cadmium	7440-43-9	0.5500		9.30
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	Metal	Chromium	7440-47-3	18.0000		1,500.00
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	Metal	Copper	7440-50-8	9.5000		270.00
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	Metal	Lead	7439-92-1	21.0000		1,000.00
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	Metal	Mercury	7439-97-6	0.0700	J	2.80
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	Metal	Nickel	7440-02-0	5.4000		310.00
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	Metal	Selenium	7782-49-2	0.5900	J	1,500.00
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	Metal	Silver	7440-22-4	0.1000	U	1,500.00
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	Metal	Zinc	7440-66-6	36.0000		10,000.00
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	79.0000		NL
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0540	U	NL

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0520	U	NL
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0400	U	5.60
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0500	U	1.00
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0420	U	5.60
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0390	U	56.00
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0400	U	56.00
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0400	U	0.56
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	SVOC-PAH	FLUORENE	86-73-7	0.0590	U	500.00
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0460	U	5.60
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0400	U	500.00
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0620	U	NL
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0680	U	500.00
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0440	U	6.70
East Area Parcel	Remaining	E016	E016015	1.5	4/1/2013	SVOC-Phenol	PHENOL	108-95-2	0.0610	U	500.00
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	Metal	Chromium	7440-47-3	31.0000		1,500.00
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	Metal	Mercury	7439-97-6	0.1500		2.80
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	84.0000		NL
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0570	J	5.60
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0420	J	1.00
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0580	J	5.60
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0580	J	56.00
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0610	J	5.60
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0001	U	30.00
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0002	U	130.00
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	VOC	CHLOROBENZENE	108-90-7	0.0003	U	500.00
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	VOC	CHLOROMETHANE	74-87-3	0.0008	U	NL
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0001	U	500.00
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	VOC	ETHYLBENZENE	100-41-4	0.0001	U	390.00
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	VOC	TOLUENE	108-88-3	0.0001	U	500.00
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	VOC	VINYL CHLORIDE	75-01-4	0.0001	U	13.00
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2500	U	27.00
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	Metal	Arsenic	7440-38-2	2.1000		16.00
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	Metal	Barium	7440-39-3	63.0000		400.00
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	Metal	Beryllium	7440-41-7	0.5700		590.00
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	Metal	Cadmium	7440-43-9	1.2000		9.30
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	Metal	Chromium	7440-47-3	23.0000		1,500.00
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	Metal	Copper	7440-50-8	12.0000		270.00
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	Metal	Lead	7439-92-1	20.0000		1,000.00
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	Metal	Mercury	7439-97-6	0.1200	J	2.80
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	Metal	Nickel	7440-02-0	13.0000		310.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	Metal	Selenium	7782-49-2	0.3700	J	1,500.00
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	Metal	Silver	7440-22-4	0.0900	U	1,500.00
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	Metal	Zinc	7440-66-6	44.0000		10,000.00
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	88.0000		NL
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0490	U	NL
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0480	U	NL
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.6800		5.60
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.6400		1.00
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.7900		5.60
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.2700		56.00
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	SVOC-PAH	CHRYSENE	218-01-9	0.7300		56.00
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.1000	J	0.56
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	SVOC-PAH	FLUORENE	86-73-7	0.0540	U	500.00
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.4100		5.60
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.1500		500.00
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0570	U	NL
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0620	U	500.00
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0400	U	6.70
East Area Parcel	Remaining	E017	E017015	1.5	4/2/2013	SVOC-Phenol	PHENOL	108-95-2	0.0560	U	500.00
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	Metal	Chromium	7440-47-3	26.0000		1,500.00
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	Metal	Nickel	7440-02-0	20.0000		310.00
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	77.0000		NL
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0001	U	30.00
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0002	U	130.00
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	VOC	CHLOROBENZENE	108-90-7	0.0003	U	500.00
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	VOC	CHLOROMETHANE	74-87-3	0.0008	U	NL
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	VOC	TOLUENE	108-88-3	0.0001	U	500.00
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	VOC	VINYL CHLORIDE	75-01-4	0.0001	U	13.00
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.3000	U	27.00
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	Metal	Arsenic	7440-38-2	3.5000		16.00
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	Metal	Barium	7440-39-3	91.0000		400.00
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	Metal	Beryllium	7440-41-7	0.7500		590.00
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	Metal	Cadmium	7440-43-9	0.0300	U	9.30
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	Metal	Chromium	7440-47-3	22.0000		1,500.00
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	Metal	Copper	7440-50-8	10.0000		270.00
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	Metal	Lead	7439-92-1	16.0000		1,000.00
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	Metal	Mercury	7439-97-6	0.0400	J	2.80
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	Metal	Nickel	7440-02-0	18.0000		310.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	Metal	Selenium	7782-49-2	0.5900	J	1,500.00
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	Metal	Silver	7440-22-4	0.1000	U	1,500.00
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	Metal	Zinc	7440-66-6	54.0000		10,000.00
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	74.0000		NL
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0580	U	NL
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0560	U	NL
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0430	U	5.60
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0540	U	1.00
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0440	U	5.60
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0420	U	56.00
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0430	U	56.00
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0430	U	0.56
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	SVOC-PAH	FLUORENE	86-73-7	0.0630	U	500.00
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0490	U	5.60
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0430	U	500.00
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0660	U	NL
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0720	U	500.00
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0470	U	6.70
East Area Parcel	Remaining	E018	E018015	1.5	4/2/2013	SVOC-Phenol	PHENOL	108-95-2	0.0650	U	500.00
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.3000	U	27.00
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	Metal	Arsenic	7440-38-2	3.5000		16.00
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	Metal	Barium	7440-39-3	91.0000		400.00
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	Metal	Beryllium	7440-41-7	0.7500		590.00
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	Metal	Cadmium	7440-43-9	0.0300	U	9.30
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	Metal	Chromium	7440-47-3	22.0000		1,500.00
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	Metal	Copper	7440-50-8	10.0000		270.00
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	Metal	Lead	7439-92-1	16.0000		1,000.00
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	Metal	Mercury	7439-97-6	0.0400	J	2.80
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	Metal	Nickel	7440-02-0	18.0000		310.00
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	Metal	Selenium	7782-49-2	0.5900	J	1,500.00
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	Metal	Silver	7440-22-4	0.1000	U	1,500.00
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	Metal	Zinc	7440-66-6	54.0000		10,000.00
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	74.0000		NL
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0580	U	NL
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0560	U	NL
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0430	U	5.60
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0540	U	1.00
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0440	U	5.60
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0420	U	56.00
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0430	U	56.00
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0430	U	0.56
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	SVOC-PAH	FLUORENE	86-73-7	0.0630	U	500.00
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0490	U	5.60
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0430	U	500.00
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0660	U	NL
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0720	U	500.00
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0470	U	6.70

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	SVOC-Phenol	PHENOL	108-95-2	0.0650	U	500.00
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	Metal	Chromium	7440-47-3	16.0000		1,500.00
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	Metal	Nickel	7440-02-0	11.0000		310.00
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	71.0000		NL
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0001	U	30.00
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0002	U	130.00
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	VOC	CHLOROBENZENE	108-90-7	0.0003	U	500.00
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	VOC	CHLOROMETHANE	74-87-3	0.0008	U	NL
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0001	U	500.00
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	VOC	ETHYLBENZENE	100-41-4	0.0001	U	390.00
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	VOC	TOLUENE	108-88-3	0.0001	U	500.00
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
East Area Parcel	Remaining	E019	E019015	1.5	4/2/2013	VOC	VINYL CHLORIDE	75-01-4	0.0001	U	13.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	Metal	Barium	7440-39-3	370.0000		400.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	Metal	Chromium	7440-47-3	36.0000		1,500.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	Metal	Zinc	7440-66-6	130.0000		10,000.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	61.0000		NL
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0003	U	130.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	VOC	BENZENE	71-43-2	0.0002	U	44.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0003	U	22.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	VOC	CHLOROBENZENE	108-90-7	0.0005	U	500.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	VOC	CHLOROFORM	67-66-3	0.0005	U	350.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	VOC	CHLOROMETHANE	74-87-3	0.0010	U	NL
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	VOC	TOLUENE	108-88-3	0.0007	J	500.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0003	U	500.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	VOC	VINYL CHLORIDE	75-01-4	0.0002	U	13.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.3200	U	27.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	Metal	Arsenic	7440-38-2	5.1000		16.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	Metal	Barium	7440-39-3	180.0000		400.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	Metal	Beryllium	7440-41-7	0.9900		590.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	Metal	Cadmium	7440-43-9	0.0300	U	9.30
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	Metal	Chromium	7440-47-3	21.0000		1,500.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	Metal	Copper	7440-50-8	6.8000		270.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	Metal	Lead	7439-92-1	8.1000		1,000.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	Metal	Mercury	7439-97-6	0.0300	J	2.80

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	Metal	Nickel	7440-02-0	14.0000		310.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	Metal	Selenium	7782-49-2	1.8000		1,500.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	Metal	Silver	7440-22-4	0.1100	U	1,500.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	Metal	Zinc	7440-66-6	77.0000		10,000.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	71.0000		NL
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0600	U	NL
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0590	U	NL
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0450	U	5.60
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0560	U	1.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0470	U	5.60
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0440	U	56.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0450	U	56.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0450	U	0.56
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	SVOC-PAH	FLUORENE	86-73-7	0.0660	U	500.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0510	U	5.60
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0450	U	500.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0700	U	NL
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0760	U	500.00
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0490	U	6.70
East Area Parcel	Remaining	E020	E020015	1.5	4/2/2013	SVOC-Phenol	PHENOL	108-95-2	0.0680	U	500.00
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.3200	U	27.00
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	Metal	Arsenic	7440-38-2	5.1000		16.00
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	Metal	Barium	7440-39-3	180.0000		400.00
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	Metal	Beryllium	7440-41-7	0.9900		590.00
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	Metal	Cadmium	7440-43-9	0.0300	U	9.30
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	Metal	Chromium	7440-47-3	21.0000		1,500.00
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	Metal	Copper	7440-50-8	6.8000		270.00
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	Metal	Lead	7439-92-1	8.1000		1,000.00
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	Metal	Mercury	7439-97-6	0.0300	J	2.80
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	Metal	Nickel	7440-02-0	14.0000		310.00
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	Metal	Selenium	7782-49-2	1.8000		1,500.00
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	Metal	Silver	7440-22-4	0.1100	U	1,500.00
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	Metal	Zinc	7440-66-6	77.0000		10,000.00
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	71.0000		NL
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0600	U	NL
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0590	U	NL
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0450	U	5.60
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0560	U	1.00
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0470	U	5.60
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0440	U	56.00
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0450	U	56.00
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0450	U	0.56
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	SVOC-PAH	FLUORENE	86-73-7	0.0660	U	500.00
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0510	U	5.60
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0450	U	500.00
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0700	U	NL
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0760	U	500.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0490	U	6.70
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	SVOC-Phenol	PHENOL	108-95-2	0.0680	U	500.00
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	Metal	Barium	7440-39-3	39.0000		400.00
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	Metal	Chromium	7440-47-3	10.0000		1,500.00
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	Metal	Zinc	7440-66-6	36.0000		10,000.00
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	80.0000		NL
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0002	U	130.00
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	VOC	CHLOROBENZENE	108-90-7	0.0004	U	500.00
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	VOC	CHLOROMETHANE	74-87-3	0.0008	U	NL
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	VOC	TOLUENE	108-88-3	0.0003	J	500.00
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
East Area Parcel	Remaining	E021	E021015	1.5	4/2/2013	VOC	VINYL CHLORIDE	75-01-4	0.0001	U	13.00
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	Metal	Chromium	7440-47-3	7.0000		1,500.00
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	88.0000		NL
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0001	U	30.00
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0002	U	130.00
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	VOC	CHLOROBENZENE	108-90-7	0.0003	U	500.00
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	VOC	CHLOROMETHANE	74-87-3	0.0007	U	NL
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0001	U	500.00
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	VOC	ETHYLBENZENE	100-41-4	0.0001	U	390.00
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	VOC	TOLUENE	108-88-3	0.0001	U	500.00
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	VOC	TRICHLOROETHENE	79-01-6	0.0001	U	200.00
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	VOC	VINYL CHLORIDE	75-01-4	0.0001	U	13.00
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2800	U	27.00
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	Metal	Arsenic	7440-38-2	1.5000		16.00
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	Metal	Barium	7440-39-3	27.0000		400.00
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	Metal	Beryllium	7440-41-7	0.3600		590.00
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	Metal	Cadmium	7440-43-9	0.1500	J	9.30
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	Metal	Chromium	7440-47-3	7.9000		1,500.00
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	Metal	Copper	7440-50-8	6.1000		270.00
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	Metal	Lead	7439-92-1	5.9000		1,000.00
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	Metal	Mercury	7439-97-6	0.0300	J	2.80

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	Metal	Nickel	7440-02-0	5.3000		310.00
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	Metal	Selenium	7782-49-2	0.4300	J	1,500.00
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	Metal	Silver	7440-22-4	0.0900	U	1,500.00
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	Metal	Zinc	7440-66-6	33.0000		10,000.00
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	82.0000		NL
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0520	U	NL
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0500	U	NL
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0390	U	5.60
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0490	U	1.00
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0400	U	5.60
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0380	U	56.00
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0390	U	56.00
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0380	U	0.56
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	SVOC-PAH	FLUORENE	86-73-7	0.0570	U	500.00
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0440	U	5.60
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0390	U	500.00
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0600	U	NL
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0650	U	500.00
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0420	U	6.70
East Area Parcel	Remaining	E022	E022015	1.5	4/1/2013	SVOC-Phenol	PHENOL	108-95-2	0.0590	U	500.00
East Area Parcel	Remaining	E023	DUP01	1.5	4/1/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	72.0000		NL
East Area Parcel	Remaining	E023	DUP01	1.5	4/1/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
East Area Parcel	Remaining	E023	DUP01	1.5	4/1/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
East Area Parcel	Remaining	E023	DUP01	1.5	4/1/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
East Area Parcel	Remaining	E023	DUP01	1.5	4/1/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0003	U	130.00
East Area Parcel	Remaining	E023	DUP01	1.5	4/1/2013	VOC	BENZENE	71-43-2	0.0002	U	44.00
East Area Parcel	Remaining	E023	DUP01	1.5	4/1/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0003	U	22.00
East Area Parcel	Remaining	E023	DUP01	1.5	4/1/2013	VOC	CHLOROBENZENE	108-90-7	0.0004	U	500.00
East Area Parcel	Remaining	E023	DUP01	1.5	4/1/2013	VOC	CHLOROFORM	67-66-3	0.0005	U	350.00
East Area Parcel	Remaining	E023	DUP01	1.5	4/1/2013	VOC	CHLOROMETHANE	74-87-3	0.0010	U	NL
East Area Parcel	Remaining	E023	DUP01	1.5	4/1/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
East Area Parcel	Remaining	E023	DUP01	1.5	4/1/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
East Area Parcel	Remaining	E023	DUP01	1.5	4/1/2013	VOC	TOLUENE	108-88-3	0.0001	U	500.00
East Area Parcel	Remaining	E023	DUP01	1.5	4/1/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0003	U	500.00
East Area Parcel	Remaining	E023	DUP01	1.5	4/1/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
East Area Parcel	Remaining	E023	DUP01	1.5	4/1/2013	VOC	VINYL CHLORIDE	75-01-4	0.0002	U	13.00
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	Metal	Chromium	7440-47-3	9.3000		1,500.00
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	76.0000		NL
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0003	U	130.00
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0003	U	22.00
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	VOC	CHLOROBENZENE	108-90-7	0.0004	U	500.00
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	VOC	CHLOROMETHANE	74-87-3	0.0009	U	NL

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	VOC	TOLUENE	108-88-3	0.0001	U	500.00
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0003	U	500.00
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	VOC	VINYL CHLORIDE	75-01-4	0.0002	U	13.00
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2800	U	27.00
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	Metal	Arsenic	7440-38-2	1.5000		16.00
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	Metal	Barium	7440-39-3	27.0000		400.00
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	Metal	Beryllium	7440-41-7	0.3600		590.00
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	Metal	Cadmium	7440-43-9	0.1500	J	9.30
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	Metal	Chromium	7440-47-3	7.9000		1,500.00
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	Metal	Copper	7440-50-8	6.1000		270.00
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	Metal	Lead	7439-92-1	5.9000		1,000.00
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	Metal	Mercury	7439-97-6	0.0300	J	2.80
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	Metal	Nickel	7440-02-0	5.3000		310.00
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	Metal	Selenium	7782-49-2	0.4300	J	1,500.00
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	Metal	Silver	7440-22-4	0.0900	U	1,500.00
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	Metal	Zinc	7440-66-6	33.0000		10,000.00
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	82.0000		NL
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0520	U	NL
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0500	U	NL
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0390	U	5.60
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0490	U	1.00
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0400	U	5.60
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0380	U	56.00
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0390	U	56.00
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0380	U	0.56
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	SVOC-PAH	FLUORENE	86-73-7	0.0570	U	500.00
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0440	U	5.60
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0390	U	500.00
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0600	U	NL
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0650	U	500.00
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0420	U	6.70
East Area Parcel	Remaining	E023	E023015	1.5	4/1/2013	SVOC-Phenol	PHENOL	108-95-2	0.0590	U	500.00
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	Metal	Chromium	7440-47-3	7.2000		1,500.00
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	92.0000		NL
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0001	U	30.00
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0002	U	130.00
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	VOC	BENZENE	71-43-2	0.0009	J	44.00
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	VOC	CHLOROBENZENE	108-90-7	0.0003	U	500.00
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	VOC	CHLOROMETHANE	74-87-3	0.0008	U	NL
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	VOC	ETHYLBENZENE	100-41-4	0.0003	J	390.00
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	VOC	TOLUENE	108-88-3	0.0018		500.00
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	J	200.00
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	VOC	VINYL CHLORIDE	75-01-4	0.0001	U	13.00
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2600	U	27.00
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	Metal	Arsenic	7440-38-2	2.8000		16.00
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	Metal	Barium	7440-39-3	25.0000		400.00
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	Metal	Beryllium	7440-41-7	0.3600		590.00
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	Metal	Cadmium	7440-43-9	0.0300	U	9.30
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	Metal	Chromium	7440-47-3	15.0000		1,500.00
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	Metal	Copper	7440-50-8	7.8000		270.00
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	Metal	Lead	7439-92-1	7.2000		1,000.00
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	Metal	Mercury	7439-97-6	0.0300	J	2.80
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	Metal	Nickel	7440-02-0	7.3000		310.00
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	Metal	Selenium	7782-49-2	0.4800	J	1,500.00
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	Metal	Silver	7440-22-4	0.0900	U	1,500.00
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	Metal	Zinc	7440-66-6	28.0000		10,000.00
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	89.0000		NL
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0480	U	NL
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0460	U	NL
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0360	U	5.60
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0450	U	1.00
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0370	U	5.60
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0350	U	56.00
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0360	U	56.00
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0350	U	0.56
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	SVOC-PAH	FLUORENE	86-73-7	0.0520	U	500.00
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0400	U	5.60
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0360	U	500.00
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0550	U	NL
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0600	U	500.00
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0390	U	6.70
North Lot Parcel	Remaining	N001	N001015	1.5	4/3/2013	SVOC-Phenol	PHENOL	108-95-2	0.0540	U	500.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	Metal	Cadmium	7440-43-9	18.0000		9.30
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	Metal	Chromium	7440-47-3	650.0000		1,500.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	Metal	Chromium(VI)	18540-29-9	0.2300	U	400.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	Metal	Lead	7439-92-1	160.0000		1,000.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	Metal	Mercury	7439-97-6	0.5000		2.80
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	Metal	Nickel	7440-02-0	25.0000		310.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	Metal	Zinc	7440-66-6	68.0000		10,000.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	79.0000		NL
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0003	U	500.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0003	U	280.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0003	U	130.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	VOC	BENZENE	71-43-2	0.0002	U	44.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0003	U	22.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	VOC	CHLOROBENZENE	108-90-7	0.0005	U	500.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	VOC	CHLOROFORM	67-66-3	0.0005	U	350.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	VOC	CHLOROMETHANE	74-87-3	0.0011	U	NL
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	VOC	TOLUENE	108-88-3	0.0015	J	500.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0003	U	500.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	VOC	VINYL CHLORIDE	75-01-4	0.0002	U	13.00
North Lot Parcel	Pending Removal	N002	N002B01025	2.5	11/13/2013	Metal	Cadmium	7440-43-9	0.7300		9.30
North Lot Parcel	Pending Removal	N002	N002B01025	2.5	11/13/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	78.0000		NL
North Lot Parcel	Remaining	N002	N002E01015	1.5	11/13/2013	Metal	Cadmium	7440-43-9	0.5900		9.30
North Lot Parcel	Remaining	N002	N002E01015	1.5	11/13/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	86.0000		NL
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2800	U	27.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	Metal	Arsenic	7440-38-2	4.6000		16.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	Metal	Barium	7440-39-3	78.0000		400.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	Metal	Beryllium	7440-41-7	0.4500		590.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	Metal	Cadmium	7440-43-9	8.8000		9.30
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	Metal	Chromium	7440-47-3	340.0000		1,500.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	Metal	Copper	7440-50-8	23.0000		270.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	Metal	Lead	7439-92-1	170.0000		1,000.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	Metal	Mercury	7439-97-6	0.4900		2.80
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	Metal	Nickel	7440-02-0	17.0000		310.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	Metal	Selenium	7782-49-2	0.9300	J	1,500.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	Metal	Silver	7440-22-4	0.1200	J	1,500.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	Metal	Zinc	7440-66-6	78.0000		10,000.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	79.0000		NL
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0540	U	NL
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0520	U	NL
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.1100	J	5.60
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.1000	J	1.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.1500		5.60
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0540	J	56.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	SVOC-PAH	CHRYSENE	218-01-9	0.1400		56.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0400	U	0.56
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	SVOC-PAH	FLUORENE	86-73-7	0.0590	U	500.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0720	J	5.60
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.1600		500.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0620	U	NL
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0680	U	500.00
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0440	U	6.70
North Lot Parcel	Pending Removal	N002	N002015	1.5	4/3/2013	SVOC-Phenol	PHENOL	108-95-2	0.0610	U	500.00
North Lot Parcel	Remaining	N002	N002N01015	1.5	11/13/2013	Metal	Cadmium	7440-43-9	6.9000		9.30
North Lot Parcel	Remaining	N002	N002N01015	1.5	11/13/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	74.0000		NL
North Lot Parcel	Remaining	N002	N002S01015	1.5	11/13/2013	Metal	Cadmium	7440-43-9	1.5000		9.30
North Lot Parcel	Remaining	N002	N002S01015	1.5	11/13/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	81.0000		NL

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
North Lot Parcel	Remaining	N002	N002W01015	1.5	11/13/2013	Metal	Cadmium	7440-43-9	0.5300		9.30
North Lot Parcel	Remaining	N002	N002W01015	1.5	11/13/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	76.0000		NL
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2800	U	27.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	Metal	Arsenic	7440-38-2	4.6000		16.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	Metal	Barium	7440-39-3	78.0000		400.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	Metal	Beryllium	7440-41-7	0.4500		590.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	Metal	Cadmium	7440-43-9	8.8000		9.30
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	Metal	Chromium	7440-47-3	340.0000		1,500.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	Metal	Copper	7440-50-8	23.0000		270.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	Metal	Lead	7439-92-1	170.0000		1,000.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	Metal	Mercury	7439-97-6	0.4900		2.80
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	Metal	Nickel	7440-02-0	17.0000		310.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	Metal	Selenium	7782-49-2	0.9300	J	1,500.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	Metal	Silver	7440-22-4	0.1200	J	1,500.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	Metal	Zinc	7440-66-6	78.0000		10,000.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	79.0000		NL
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0540	U	NL
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0520	U	NL
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.1100	J	5.60
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.1000	J	1.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.1500		5.60
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0540	J	56.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	SVOC-PAH	CHRYSENE	218-01-9	0.1400		56.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0400	U	0.56
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	SVOC-PAH	FLUORENE	86-73-7	0.0590	U	500.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0720	J	5.60
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.1600		500.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0620	U	NL
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0680	U	500.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0440	U	6.70
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	SVOC-Phenol	PHENOL	108-95-2	0.0610	U	500.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	Metal	Cadmium	7440-43-9	0.0300	U	9.30
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	Metal	Chromium	7440-47-3	22.0000		1,500.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	Metal	Lead	7439-92-1	180.0000		1,000.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	Metal	Mercury	7439-97-6	0.4800		2.80
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	Metal	Nickel	7440-02-0	6.8000		310.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	Metal	Zinc	7440-66-6	85.0000		10,000.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	79.0000		NL
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0003	U	500.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0003	U	280.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0004	U	130.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	VOC	BENZENE	71-43-2	0.0002	U	44.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0003	U	22.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	VOC	CHLOROBENZENE	108-90-7	0.0006	U	500.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	VOC	CHLOROFORM	67-66-3	0.0006	U	350.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	VOC	CHLOROMETHANE	74-87-3	0.0013	U	NL

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	VOC	TOLUENE	108-88-3	0.0002	U	500.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0003	U	500.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	VOC	TRICHLOROETHENE	79-01-6	0.0003	U	200.00
North Lot Parcel	Remaining	N003	N003015	1.5	4/3/2013	VOC	VINYL CHLORIDE	75-01-4	0.0002	U	13.00
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	Metal	Chromium	7440-47-3	13.0000		1,500.00
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	Metal	Lead	7439-92-1	17.0000		1,000.00
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	Metal	Mercury	7439-97-6	0.2000		2.80
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	Metal	Zinc	7440-66-6	100.0000		10,000.00
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	89.0000		NL
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0003	U	130.00
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	VOC	CHLOROBENZENE	108-90-7	0.0004	U	500.00
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	VOC	CHLOROMETHANE	74-87-3	0.0009	U	NL
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0006	J	500.00
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	VOC	TOLUENE	108-88-3	0.0001	U	500.00
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0003	U	500.00
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	VOC	TRICHLOROETHENE	79-01-6	0.0059		200.00
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	VOC	VINYL CHLORIDE	75-01-4	0.0002	U	13.00
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2400	U	27.00
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	Metal	Arsenic	7440-38-2	2.6000		16.00
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	Metal	Barium	7440-39-3	35.0000		400.00
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	Metal	Beryllium	7440-41-7	0.4100		590.00
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	Metal	Cadmium	7440-43-9	0.0300	U	9.30
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	Metal	Chromium	7440-47-3	18.0000		1,500.00
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	Metal	Copper	7440-50-8	9.0000		270.00
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	Metal	Lead	7439-92-1	52.0000		1,000.00
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	Metal	Mercury	7439-97-6	0.1500		2.80
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	Metal	Nickel	7440-02-0	5.8000		310.00
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	Metal	Selenium	7782-49-2	0.3400	J	1,500.00
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	Metal	Silver	7440-22-4	0.0900	U	1,500.00
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	Metal	Zinc	7440-66-6	100.0000		10,000.00
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	90.0000		NL
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0480	U	NL
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0470	U	NL
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0600	J	5.60
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0550	J	1.00
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0670	J	5.60
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0350	U	56.00
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0590	J	56.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0360	U	0.56
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	SVOC-PAH	FLUORENE	86-73-7	0.0530	U	500.00
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0410	U	5.60
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0670	J	500.00
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0560	U	NL
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0600	U	500.00
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0400	U	6.70
North Lot Parcel	Remaining	N004	N004015	1.5	4/3/2013	SVOC-Phenol	PHENOL	108-95-2	0.0550	U	500.00
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2600	U	27.00
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	Metal	Arsenic	7440-38-2	2.8000		16.00
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	Metal	Barium	7440-39-3	25.0000		400.00
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	Metal	Beryllium	7440-41-7	0.3600		590.00
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	Metal	Cadmium	7440-43-9	0.0300	U	9.30
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	Metal	Chromium	7440-47-3	15.0000		1,500.00
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	Metal	Copper	7440-50-8	7.8000		270.00
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	Metal	Lead	7439-92-1	7.2000		1,000.00
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	Metal	Mercury	7439-97-6	0.0300	J	2.80
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	Metal	Nickel	7440-02-0	7.3000		310.00
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	Metal	Selenium	7782-49-2	0.4800	J	1,500.00
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	Metal	Silver	7440-22-4	0.0900	U	1,500.00
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	Metal	Zinc	7440-66-6	28.0000		10,000.00
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	89.0000		NL
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0480	U	NL
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0460	U	NL
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0360	U	5.60
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0450	U	1.00
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0370	U	5.60
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0350	U	56.00
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0360	U	56.00
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0350	U	0.56
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	SVOC-PAH	FLUORENE	86-73-7	0.0520	U	500.00
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0400	U	5.60
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0360	U	500.00
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0550	U	NL
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0600	U	500.00
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0390	U	6.70
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	SVOC-Phenol	PHENOL	108-95-2	0.0540	U	500.00
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	Metal	Chromium	7440-47-3	24.0000		1,500.00
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	86.0000		NL
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0003	U	130.00
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	VOC	CHLOROBENZENE	108-90-7	0.0004	U	500.00
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	VOC	CHLOROMETHANE	74-87-3	0.0009	U	NL
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	VOC	TOLUENE	108-88-3	0.0001	U	500.00
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
North Lot Parcel	Remaining	N005	N005015	1.5	4/3/2013	VOC	VINYL CHLORIDE	75-01-4	0.0002	U	13.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	Metal	Cadmium	7440-43-9	2.9000		9.30
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	Metal	Chromium	7440-47-3	16.0000		1,500.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	Metal	Mercury	7439-97-6	0.1400		2.80
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	79.0000		NL
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0003	U	500.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0003	U	500.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0003	U	30.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0003	U	280.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0003	U	280.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0004	U	130.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0004	U	130.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	VOC	BENZENE	71-43-2	0.0002	U	44.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	VOC	BENZENE	71-43-2	0.0002	U	44.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0003	U	22.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0004	U	22.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	VOC	CHLOROBENZENE	108-90-7	0.0006	U	500.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	VOC	CHLOROBENZENE	108-90-7	0.0006	U	500.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	VOC	CHLOROFORM	67-66-3	0.0006	U	350.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	VOC	CHLOROFORM	67-66-3	0.0006	U	350.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	VOC	CHLOROMETHANE	74-87-3	0.0013	U	NL
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	VOC	CHLOROMETHANE	74-87-3	0.0013	U	NL
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0003	U	500.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	VOC	ETHYLBENZENE	100-41-4	0.0003	U	390.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	VOC	TOLUENE	108-88-3	0.0002	U	500.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	VOC	TOLUENE	108-88-3	0.0002	U	500.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0004	U	500.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0003	U	500.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	VOC	TRICHLOROETHENE	79-01-6	0.0003	U	200.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	VOC	TRICHLOROETHENE	79-01-6	0.0003	U	200.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	VOC	VINYL CHLORIDE	75-01-4	0.0002	U	13.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	VOC	VINYL CHLORIDE	75-01-4	0.0002	U	13.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2700	U	27.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	Metal	Arsenic	7440-38-2	0.8100		16.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	Metal	Barium	7440-39-3	21.0000		400.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	Metal	Beryllium	7440-41-7	0.2500		590.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	Metal	Cadmium	7440-43-9	2.9000		9.30
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	Metal	Chromium	7440-47-3	15.0000		1,500.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	Metal	Copper	7440-50-8	8.4000		270.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	Metal	Lead	7439-92-1	13.0000		1,000.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	Metal	Mercury	7439-97-6	0.1600		2.80
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	Metal	Nickel	7440-02-0	8.6000		310.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	Metal	Selenium	7782-49-2	0.2400	J	1,500.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	Metal	Silver	7440-22-4	0.0900	U	1,500.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	Metal	Zinc	7440-66-6	30.0000		10,000.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	84.0000		NL
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0520	U	NL
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0500	U	NL
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0390	U	5.60
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0480	U	1.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0400	U	5.60
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0380	U	56.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0390	U	56.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0380	U	0.56
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	SVOC-PAH	FLUORENE	86-73-7	0.0570	U	500.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0440	U	5.60
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0390	U	500.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0600	U	NL
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0650	U	500.00
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0420	U	6.70
North Lot Parcel	Remaining	N006	N006015	1.5	4/3/2013	SVOC-Phenol	PHENOL	108-95-2	0.0580	U	500.00
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	Metal	Chromium	7440-47-3	17.0000		1,500.00
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	82.0000		NL
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0002	U	130.00
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	VOC	CHLOROBENZENE	108-90-7	0.0004	U	500.00
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	VOC	CHLOROMETHANE	74-87-3	0.0008	U	NL
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	VOC	TOLUENE	108-88-3	0.0002	J	500.00
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	VOC	VINYL CHLORIDE	75-01-4	0.0001	U	13.00
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2700	U	27.00
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	Metal	Arsenic	7440-38-2	2.9000		16.00
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	Metal	Barium	7440-39-3	78.0000		400.00
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	Metal	Beryllium	7440-41-7	0.3600		590.00
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	Metal	Cadmium	7440-43-9	0.0300	U	9.30
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	Metal	Chromium	7440-47-3	30.0000		1,500.00
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	Metal	Copper	7440-50-8	12.0000		270.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	Metal	Lead	7439-92-1	31.0000		1,000.00
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	Metal	Mercury	7439-97-6	0.0200	U	2.80
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	Metal	Nickel	7440-02-0	6.7000		310.00
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	Metal	Selenium	7782-49-2	0.7500	J	1,500.00
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	Metal	Silver	7440-22-4	0.1600	J	1,500.00
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	Metal	Zinc	7440-66-6	47.0000		10,000.00
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	83.0000		NL
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0520	U	NL
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0510	U	NL
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0390	U	5.60
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0490	U	1.00
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0400	U	5.60
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0380	U	56.00
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0390	U	56.00
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0390	U	0.56
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	SVOC-PAH	FLUORENE	86-73-7	0.0570	U	500.00
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0440	U	5.60
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0390	U	500.00
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0600	U	NL
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0650	U	500.00
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0430	U	6.70
North Lot Parcel	Remaining	N007	N007015	1.5	4/3/2013	SVOC-Phenol	PHENOL	108-95-2	0.0590	U	500.00
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2700	U	27.00
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	Metal	Arsenic	7440-38-2	2.9000		16.00
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	Metal	Barium	7440-39-3	78.0000		400.00
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	Metal	Beryllium	7440-41-7	0.3600		590.00
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	Metal	Cadmium	7440-43-9	0.0300	U	9.30
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	Metal	Chromium	7440-47-3	30.0000		1,500.00
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	Metal	Copper	7440-50-8	12.0000		270.00
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	Metal	Lead	7439-92-1	31.0000		1,000.00
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	Metal	Mercury	7439-97-6	0.0200	U	2.80
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	Metal	Nickel	7440-02-0	6.7000		310.00
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	Metal	Selenium	7782-49-2	0.7500	J	1,500.00
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	Metal	Silver	7440-22-4	0.1600	J	1,500.00
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	Metal	Zinc	7440-66-6	47.0000		10,000.00
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	83.0000		NL
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0520	U	NL
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0510	U	NL
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0390	U	5.60
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0490	U	1.00
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0400	U	5.60
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0380	U	56.00
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0390	U	56.00
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0390	U	0.56
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	SVOC-PAH	FLUORENE	86-73-7	0.0570	U	500.00
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0440	U	5.60
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0390	U	500.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0600	U	NL
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0650	U	500.00
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0430	U	6.70
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	SVOC-Phenol	PHENOL	108-95-2	0.0590	U	500.00
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	Metal	Chromium	7440-47-3	44.0000		1,500.00
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	84.0000		NL
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0001	U	30.00
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0002	U	130.00
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	VOC	CHLOROBENZENE	108-90-7	0.0003	U	500.00
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	VOC	CHLOROMETHANE	74-87-3	0.0008	U	NL
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0001	U	500.00
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	VOC	ETHYLBENZENE	100-41-4	0.0001	U	390.00
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	VOC	TOLUENE	108-88-3	0.0001	U	500.00
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
North Lot Parcel	Remaining	N008	N008015	1.5	4/3/2013	VOC	VINYL CHLORIDE	75-01-4	0.0001	U	13.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2400	U	27.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	Metal	Arsenic	7440-38-2	2.6000		16.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	Metal	Barium	7440-39-3	35.0000		400.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	Metal	Beryllium	7440-41-7	0.4100		590.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	Metal	Cadmium	7440-43-9	0.0300	U	9.30
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	Metal	Chromium	7440-47-3	18.0000		1,500.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	Metal	Copper	7440-50-8	9.0000		270.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	Metal	Lead	7439-92-1	52.0000		1,000.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	Metal	Mercury	7439-97-6	0.1500		2.80
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	Metal	Nickel	7440-02-0	5.8000		310.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	Metal	Selenium	7782-49-2	0.3400	J	1,500.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	Metal	Silver	7440-22-4	0.0900	U	1,500.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	Metal	Zinc	7440-66-6	100.0000		10,000.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	90.0000		NL
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0480	U	NL
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0470	U	NL
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0600	J	5.60
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0550	J	1.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0670	J	5.60
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0350	U	56.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0590	J	56.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0360	U	0.56
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	SVOC-PAH	FLUORENE	86-73-7	0.0530	U	500.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0410	U	5.60
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0670	J	500.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0560	U	NL

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0600	U	500.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0400	U	6.70
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	SVOC-Phenol	PHENOL	108-95-2	0.0550	U	500.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	Metal	Chromium	7440-47-3	22.0000		1,500.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	Metal	Lead	7439-92-1	86.0000		1,000.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	Metal	Mercury	7439-97-6	0.1000		2.80
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	Metal	Zinc	7440-66-6	96.0000		10,000.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	90.0000		NL
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0003	U	130.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	VOC	CHLOROBENZENE	108-90-7	0.0004	U	500.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	VOC	CHLOROMETHANE	74-87-3	0.0009	U	NL
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	VOC	TOLUENE	108-88-3	0.0004	J	500.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
North Lot Parcel	Remaining	N009	N009015	1.5	4/3/2013	VOC	VINYL CHLORIDE	75-01-4	0.0002	U	13.00
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2700	U	27.00
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	Metal	Arsenic	7440-38-2	0.8100		16.00
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	Metal	Barium	7440-39-3	21.0000		400.00
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	Metal	Beryllium	7440-41-7	0.2500		590.00
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	Metal	Cadmium	7440-43-9	2.9000		9.30
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	Metal	Chromium	7440-47-3	15.0000		1,500.00
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	Metal	Copper	7440-50-8	8.4000		270.00
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	Metal	Lead	7439-92-1	13.0000		1,000.00
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	Metal	Mercury	7439-97-6	0.1600		2.80
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	Metal	Nickel	7440-02-0	8.6000		310.00
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	Metal	Selenium	7782-49-2	0.2400	J	1,500.00
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	Metal	Silver	7440-22-4	0.0900	U	1,500.00
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	Metal	Zinc	7440-66-6	30.0000		10,000.00
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	84.0000		NL
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0520	U	NL
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0500	U	NL
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0390	U	5.60
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0480	U	1.00
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0400	U	5.60
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0380	U	56.00
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0390	U	56.00
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0380	U	0.56
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	SVOC-PAH	FLUORENE	86-73-7	0.0570	U	500.00
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0440	U	5.60

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0390	U	500.00
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0600	U	NL
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0650	U	500.00
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0420	U	6.70
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	SVOC-Phenol	PHENOL	108-95-2	0.0580	U	500.00
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	Metal	Cadmium	7440-43-9	2.8000		9.30
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	Metal	Chromium	7440-47-3	14.0000		1,500.00
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	Metal	Mercury	7439-97-6	0.1700		2.80
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	89.0000		NL
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0003	U	130.00
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	VOC	CHLOROBENZENE	108-90-7	0.0004	U	500.00
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	VOC	CHLOROMETHANE	74-87-3	0.0008	U	NL
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	VOC	TOLUENE	108-88-3	0.0003	J	500.00
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
North Lot Parcel	Remaining	N010	N010015	1.5	4/3/2013	VOC	VINYL CHLORIDE	75-01-4	0.0001	U	13.00
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2700	U	27.00
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	Metal	Arsenic	7440-38-2	2.0000		16.00
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	Metal	Barium	7440-39-3	90.0000		400.00
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	Metal	Beryllium	7440-41-7	0.3700		590.00
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	Metal	Cadmium	7440-43-9	0.0300	U	9.30
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	Metal	Chromium	7440-47-3	12.0000		1,500.00
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	Metal	Copper	7440-50-8	15.0000		270.00
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	Metal	Lead	7439-92-1	10.0000		1,000.00
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	Metal	Mercury	7439-97-6	0.0600	J	2.80
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	Metal	Nickel	7440-02-0	8.7000		310.00
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	Metal	Selenium	7782-49-2	0.5300	J	1,500.00
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	Metal	Silver	7440-22-4	0.0900	U	1,500.00
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	Metal	Zinc	7440-66-6	26.0000		10,000.00
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	PCBs	AROCLOR 1016	12674-11-2	0.0074	U	NL
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	PCBs	AROCLOR 1221	11104-28-2	0.0113	U	NL
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	PCBs	AROCLOR 1232	11141-16-5	0.0080	U	NL
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	PCBs	AROCLOR 1242	53469-21-9	0.0071	U	NL
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	PCBs	AROCLOR 1248	12672-29-6	0.0045	U	NL
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	PCBs	AROCLOR 1254	11097-69-1	0.0059	U	NL
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	PCBs	AROCLOR 1260	11096-82-5	0.0065	U	NL
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	PCBs	PCBs (Total)	1336-36-3	0.0113	U	1.00
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	84.0000		NL
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0510	U	NL

See Last Page for Explanations
All values in mg/kg

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0500	U	NL
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0380	U	5.60
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0480	U	1.00
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0390	U	5.60
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0370	U	56.00
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0380	U	56.00
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0380	U	0.56
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	SVOC-PAH	FLUORENE	86-73-7	0.0560	U	500.00
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0430	U	5.60
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0380	U	500.00
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0590	U	NL
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0640	U	500.00
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0420	U	6.70
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	SVOC-Phenol	PHENOL	108-95-2	0.0580	U	500.00
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0001	U	30.00
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0002	U	130.00
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	VOC	CHLOROBENZENE	108-90-7	0.0003	U	500.00
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	VOC	CHLOROMETHANE	74-87-3	0.0008	U	NL
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0001	U	500.00
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	VOC	ETHYLBENZENE	100-41-4	0.0001	U	390.00
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	VOC	TOLUENE	108-88-3	0.0001	U	500.00
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	VOC	TRICHLOROETHENE	79-01-6	0.0001	U	200.00
Pre-Treatment Plant Parcel	Remaining	P001	P001015	1.5	4/3/2013	VOC	VINYL CHLORIDE	75-01-4	0.0001	U	13.00
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	Metal	Chromium	7440-47-3	27.0000		1,500.00
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	Metal	Mercury	7439-97-6	0.2300		2.80
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	65.0000		NL
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0003	U	500.00
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0003	U	280.00
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0003	U	130.00
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	VOC	BENZENE	71-43-2	0.0002	U	44.00
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0003	U	22.00
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	VOC	CHLOROBENZENE	108-90-7	0.0005	U	500.00
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	VOC	CHLOROFORM	67-66-3	0.0005	U	350.00
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	VOC	CHLOROMETHANE	74-87-3	0.0010	U	NL
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	VOC	TOLUENE	108-88-3	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0003	U	500.00
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	VOC	VINYL CHLORIDE	75-01-4	0.0002	U	13.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2800	U	27.00
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	Metal	Arsenic	7440-38-2	2.3000		16.00
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	Metal	Barium	7440-39-3	60.0000		400.00
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	Metal	Beryllium	7440-41-7	0.4400		590.00
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	Metal	Cadmium	7440-43-9	1.0000		9.30
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	Metal	Chromium	7440-47-3	18.0000		1,500.00
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	Metal	Copper	7440-50-8	22.0000		270.00
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	Metal	Lead	7439-92-1	12.0000		1,000.00
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	Metal	Mercury	7439-97-6	0.1900		2.80
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	Metal	Nickel	7440-02-0	9.2000		310.00
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	Metal	Selenium	7782-49-2	0.6100	J	1,500.00
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	Metal	Silver	7440-22-4	0.1000	U	1,500.00
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	Metal	Zinc	7440-66-6	42.0000		10,000.00
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	PCBs	AROCLOR 1016	12674-11-2	0.0081	U	NL
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	PCBs	AROCLOR 1221	11104-28-2	0.0124	U	NL
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	PCBs	AROCLOR 1232	11141-16-5	0.0088	U	NL
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	PCBs	AROCLOR 1242	53469-21-9	0.0078	U	NL
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	PCBs	AROCLOR 1248	12672-29-6	0.0050	U	NL
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	PCBs	AROCLOR 1254	11097-69-1	0.0099	J	NL
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	PCBs	AROCLOR 1260	11096-82-5	0.0072	U	NL
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	PCBs	PCBs (Total)	1336-36-3	0.0099	J	1.00
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	80.0000		NL
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0540	U	NL
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0520	U	NL
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0400	U	5.60
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0500	U	1.00
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0410	U	5.60
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0390	U	56.00
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0400	U	56.00
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0400	U	0.56
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	SVOC-PAH	FLUORENE	86-73-7	0.0580	U	500.00
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0450	U	5.60
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0400	U	500.00
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0620	U	NL
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0670	U	500.00
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0440	U	6.70
Pre-Treatment Plant Parcel	Remaining	P002	P002015	1.5	4/3/2013	SVOC-Phenol	PHENOL	108-95-2	0.0600	U	500.00
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2800	U	27.00
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	Metal	Arsenic	7440-38-2	2.3000		16.00
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	Metal	Barium	7440-39-3	60.0000		400.00
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	Metal	Beryllium	7440-41-7	0.4400		590.00
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	Metal	Cadmium	7440-43-9	1.0000		9.30
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	Metal	Chromium	7440-47-3	18.0000		1,500.00
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	Metal	Copper	7440-50-8	22.0000		270.00
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	Metal	Lead	7439-92-1	12.0000		1,000.00
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	Metal	Mercury	7439-97-6	0.1900		2.80
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	Metal	Nickel	7440-02-0	9.2000		310.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	Metal	Selenium	7782-49-2	0.6100	J	1,500.00
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	Metal	Silver	7440-22-4	0.1000	U	1,500.00
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	Metal	Zinc	7440-66-6	42.0000		10,000.00
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	PCBs	AROCLOR 1016	12674-11-2	0.0081	U	NL
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	PCBs	AROCLOR 1221	11104-28-2	0.0124	U	NL
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	PCBs	AROCLOR 1232	11141-16-5	0.0088	U	NL
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	PCBs	AROCLOR 1242	53469-21-9	0.0078	U	NL
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	PCBs	AROCLOR 1248	12672-29-6	0.0050	U	NL
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	PCBs	AROCLOR 1254	11097-69-1	0.0099	J	NL
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	PCBs	AROCLOR 1260	11096-82-5	0.0072	U	NL
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	PCBs	PCBs (Total)	1336-36-3	0.0099	J	1.00
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	80.0000		NL
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0540	U	NL
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0520	U	NL
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0400	U	5.60
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0500	U	1.00
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0410	U	5.60
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0390	U	56.00
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0400	U	56.00
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0400	U	0.56
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	SVOC-PAH	FLUORENE	86-73-7	0.0580	U	500.00
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0450	U	5.60
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0400	U	500.00
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0620	U	NL
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0670	U	500.00
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0440	U	6.70
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	SVOC-Phenol	PHENOL	108-95-2	0.0600	U	500.00
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	Metal	Chromium	7440-47-3	10.0000		1,500.00
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	Metal	Mercury	7439-97-6	0.1700		2.80
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	94.0000		NL
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0003	U	130.00
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	VOC	CHLOROBENZENE	108-90-7	0.0004	U	500.00
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	VOC	CHLOROMETHANE	74-87-3	0.0009	U	NL
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	VOC	TOLUENE	108-88-3	0.0001	U	500.00
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
Pre-Treatment Plant Parcel	Remaining	P003	P003015	1.5	4/3/2013	VOC	VINYL CHLORIDE	75-01-4	0.0002	U	13.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	Metal	Barium	7440-39-3	200.0000		400.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	Metal	Cadmium	7440-43-9	13.0000		9.30

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	Metal	Chromium	7440-47-3	260.0000		1,500.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	Metal	Chromium(VI)	18540-29-9	0.2500	U	400.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	Metal	Copper	7440-50-8	58.0000		270.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	Metal	Lead	7439-92-1	170.0000		1,000.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	Metal	Mercury	7439-97-6	0.1800		2.80
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	Metal	Nickel	7440-02-0	37.0000		310.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	Metal	Selenium	7782-49-2	1.0000	J	1,500.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	Metal	Zinc	7440-66-6	130.0000		10,000.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	PCBs	AROCLOR 1016	12674-11-2	0.0044	U	NL
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	PCBs	AROCLOR 1221	11104-28-2	0.0067	U	NL
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	PCBs	AROCLOR 1232	11141-16-5	0.0047	U	NL
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	PCBs	AROCLOR 1242	53469-21-9	0.0042	U	NL
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	PCBs	AROCLOR 1248	12672-29-6	0.0027	U	NL
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	PCBs	AROCLOR 1254	11097-69-1	0.0151	J	NL
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	PCBs	AROCLOR 1260	11096-82-5	0.0039	U	NL
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	PCBs	PCBs (Total)	1336-36-3	0.0151	J	1.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	71.0000		NL
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0003	U	500.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0003	U	280.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0003	U	130.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	VOC	BENZENE	71-43-2	0.0002	U	44.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0003	U	22.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	VOC	CHLOROBENZENE	108-90-7	0.0005	U	500.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	VOC	CHLOROFORM	67-66-3	0.0005	U	350.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	VOC	CHLOROMETHANE	74-87-3	0.0011	U	NL
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	VOC	TOLUENE	108-88-3	0.0002	U	500.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0003	U	500.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	VOC	VINYL CHLORIDE	75-01-4	0.0002	U	13.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004B01025	2.5	11/14/2013	Metal	Cadmium	7440-43-9	9.4000		9.30
Pre-Treatment Plant Parcel	Pending Removal	P004	P004B01025	2.5	11/14/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	72.0000		NL
Pre-Treatment Plant Parcel	Pending Removal	P004	P004B01035	3.5	11/14/2013	Metal	Cadmium	7440-43-9	1.6000		9.30
Pre-Treatment Plant Parcel	Pending Removal	P004	P004B01035	3.5	11/14/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	69.0000		NL
Pre-Treatment Plant Parcel	Pending Removal	P004	P004E01015	1.5	11/14/2013	Metal	Cadmium	7440-43-9	29.0000		9.30
Pre-Treatment Plant Parcel	Pending Removal	P004	P004E01015	1.5	11/14/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	71.0000		NL
Pre-Treatment Plant Parcel	Remaining	P004	P004E02015	1.5	11/14/2013	Metal	Cadmium	7440-43-9	0.4300	J	9.30
Pre-Treatment Plant Parcel	Remaining	P004	P004E02015	1.5	11/14/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	77.0000		NL
Pre-Treatment Plant Parcel	Remaining	P004	P004N01015	1.5	11/14/2013	Metal	Cadmium	7440-43-9	2.2000		9.30
Pre-Treatment Plant Parcel	Remaining	P004	P004N01015	1.5	11/14/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	74.0000		NL
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	8.7000		27.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	Metal	Arsenic	7440-38-2	4.4000		16.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	Metal	Barium	7440-39-3	700.0000		400.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	Metal	Beryllium	7440-41-7	0.7100		590.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	Metal	Cadmium	7440-43-9	44.0000		9.30

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	Metal	Chromium	7440-47-3	580.0000		1,500.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	Metal	Copper	7440-50-8	100.0000		270.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	Metal	Lead	7439-92-1	860.0000		1,000.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	Metal	Mercury	7439-97-6	3.5000		2.80
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	Metal	Nickel	7440-02-0	29.0000		310.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	Metal	Selenium	7782-49-2	2.0000		1,500.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	Metal	Silver	7440-22-4	0.3800	J	1,500.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	Metal	Zinc	7440-66-6	130.0000		10,000.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	PCBs	AROCLOR 1016	12674-11-2	0.0093	U	NL
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	PCBs	AROCLOR 1221	11104-28-2	0.0141	U	NL
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	PCBs	AROCLOR 1232	11141-16-5	0.0100	U	NL
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	PCBs	AROCLOR 1242	53469-21-9	0.0089	U	NL
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	PCBs	AROCLOR 1248	12672-29-6	0.0057	U	NL
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	PCBs	AROCLOR 1254	11097-69-1	0.1000		NL
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	PCBs	AROCLOR 1260	11096-82-5	0.0081	U	NL
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	PCBs	PCBs (Total)	1336-36-3	0.1000		1.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	68.0000		NL
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0630	U	NL
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0610	U	NL
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.1500		5.60
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.1600	J	1.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.2200		5.60
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0730	J	56.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	SVOC-PAH	CHRYSENE	218-01-9	0.2000		56.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0470	U	0.56
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	SVOC-PAH	FLUORENE	86-73-7	0.0690	U	500.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.1000	J	5.60
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.1800		500.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0730	U	NL
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0790	U	500.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0520	U	6.70
Pre-Treatment Plant Parcel	Pending Removal	P004	P004015	1.5	4/3/2013	SVOC-Phenol	PHENOL	108-95-2	0.0720	U	500.00
Pre-Treatment Plant Parcel	Pending Removal	P004	P004S01015	1.5	11/14/2013	Metal	Cadmium	7440-43-9	34.0000		9.30
Pre-Treatment Plant Parcel	Pending Removal	P004	P004S01015	1.5	11/14/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	67.0000		NL
Pre-Treatment Plant Parcel	Remaining	P004	P004S02015	1.5	11/14/2013	Metal	Cadmium	7440-43-9	1.2000		9.30
Pre-Treatment Plant Parcel	Remaining	P004	P004S02015	1.5	11/14/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	76.0000		NL
Pre-Treatment Plant Parcel	Pending Removal	P004	P004W01015	1.5	11/14/2013	Metal	Cadmium	7440-43-9	60.0000		9.30
Pre-Treatment Plant Parcel	Pending Removal	P004	P004W01015	1.5	11/14/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	63.0000		NL
Pre-Treatment Plant Parcel	Pending Removal	P004	P004W02015	1.5	11/14/2013	Metal	Cadmium	7440-43-9	15.0000		9.30
Pre-Treatment Plant Parcel	Pending Removal	P004	P004W02015	1.5	11/14/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	73.0000		NL
Pre-Treatment Plant Parcel	Remaining	P004	P004W03015	1.5	11/14/2013	Metal	Cadmium	7440-43-9	1.5000		9.30
Pre-Treatment Plant Parcel	Remaining	P004	P004W03015	1.5	11/14/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	79.0000		NL
Pre-Treatment Plant Parcel	Pending Removal	P005	DUP1113	2.5	11/13/2013	Metal	Barium	7440-39-3	180.0000		400.00
Pre-Treatment Plant Parcel	Pending Removal	P005	DUP1113	2.5	11/13/2013	Metal	Cadmium	7440-43-9	1.0000		9.30
Pre-Treatment Plant Parcel	Pending Removal	P005	DUP1113	2.5	11/13/2013	Metal	Lead	7439-92-1	13.0000		1,000.00
Pre-Treatment Plant Parcel	Pending Removal	P005	DUP1113	2.5	11/13/2013	Metal	Mercury	7439-97-6	0.0200	U	2.80
Pre-Treatment Plant Parcel	Pending Removal	P005	DUP1113	2.5	11/13/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	71.0000		NL

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	8.7000		27.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	Metal	Arsenic	7440-38-2	4.4000		16.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	Metal	Barium	7440-39-3	700.0000		400.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	Metal	Beryllium	7440-41-7	0.7100		590.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	Metal	Cadmium	7440-43-9	44.0000		9.30
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	Metal	Chromium	7440-47-3	580.0000		1,500.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	Metal	Copper	7440-50-8	100.0000		270.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	Metal	Lead	7439-92-1	860.0000		1,000.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	Metal	Mercury	7439-97-6	3.5000		2.80
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	Metal	Nickel	7440-02-0	29.0000		310.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	Metal	Selenium	7782-49-2	2.0000		1,500.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	Metal	Silver	7440-22-4	0.3800	J	1,500.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	Metal	Zinc	7440-66-6	130.0000		10,000.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	PCBs	AROCLOR 1016	12674-11-2	0.0093	U	NL
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	PCBs	AROCLOR 1221	11104-28-2	0.0141	U	NL
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	PCBs	AROCLOR 1232	11141-16-5	0.0100	U	NL
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	PCBs	AROCLOR 1242	53469-21-9	0.0089	U	NL
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	PCBs	AROCLOR 1248	12672-29-6	0.0057	U	NL
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	PCBs	AROCLOR 1254	11097-69-1	0.1000		NL
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	PCBs	AROCLOR 1260	11096-82-5	0.0081	U	NL
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	PCBs	PCBs (Total)	1336-36-3	0.1000		1.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	68.0000		NL
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0630	U	NL
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0610	U	NL
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.1500		5.60
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.1600	J	1.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.2200		5.60
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0730	J	56.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	SVOC-PAH	CHRYSENE	218-01-9	0.2000		56.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0470	U	0.56
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	SVOC-PAH	FLUORENE	86-73-7	0.0690	U	500.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.1000	J	5.60
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.1800		500.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0730	U	NL
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0790	U	500.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0520	U	6.70
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	SVOC-Phenol	PHENOL	108-95-2	0.0720	U	500.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	Metal	Barium	7440-39-3	1,200.0000		400.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	Metal	Cadmium	7440-43-9	76.0000		9.30
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	Metal	Chromium	7440-47-3	890.0000		1,500.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	Metal	Chromium(VI)	18540-29-9	0.2800	U	400.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	Metal	Copper	7440-50-8	150.0000		270.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	Metal	Lead	7439-92-1	1,600.0000		1,000.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	Metal	Mercury	7439-97-6	7.2000		2.80
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	Metal	Nickel	7440-02-0	17.0000		310.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	Metal	Selenium	7782-49-2	2.2000		1,500.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	Metal	Zinc	7440-66-6	130.0000		10,000.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	PCBs	AROCLOR 1016	12674-11-2	0.0049	U	NL
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	PCBs	AROCLOR 1221	11104-28-2	0.0075	U	NL
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	PCBs	AROCLOR 1232	11141-16-5	0.0053	U	NL
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	PCBs	AROCLOR 1242	53469-21-9	0.0047	U	NL
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	PCBs	AROCLOR 1248	12672-29-6	0.0030	U	NL
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	PCBs	AROCLOR 1254	11097-69-1	0.1260		NL
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	PCBs	AROCLOR 1260	11096-82-5	0.0043	U	NL
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	PCBs	PCBs (Total)	1336-36-3	0.1260		1.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	64.0000		NL
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0003	U	500.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0003	U	280.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0004	U	130.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	VOC	BENZENE	71-43-2	0.0002	U	44.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0003	U	22.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	VOC	CHLOROBENZENE	108-90-7	0.0005	U	500.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	VOC	CHLOROFORM	67-66-3	0.0006	U	350.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	VOC	CHLOROMETHANE	74-87-3	0.0012	U	NL
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	VOC	TOLUENE	108-88-3	0.0002	U	500.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0003	U	500.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005015	1.5	4/3/2013	VOC	VINYL CHLORIDE	75-01-4	0.0002	U	13.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005B01025	2.5	11/13/2013	Metal	Barium	7440-39-3	170.0000		400.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005B01025	2.5	11/13/2013	Metal	Cadmium	7440-43-9	1.2000		9.30
Pre-Treatment Plant Parcel	Pending Removal	P005	P005B01025	2.5	11/13/2013	Metal	Lead	7439-92-1	19.0000		1,000.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005B01025	2.5	11/13/2013	Metal	Mercury	7439-97-6	0.0200	U	2.80
Pre-Treatment Plant Parcel	Pending Removal	P005	P005B01025	2.5	11/13/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	70.0000		NL
Pre-Treatment Plant Parcel	Remaining	P005	P005E01015	1.5	11/13/2013	Metal	Barium	7440-39-3	55.0000		400.00
Pre-Treatment Plant Parcel	Remaining	P005	P005E01015	1.5	11/13/2013	Metal	Cadmium	7440-43-9	4.7000		9.30
Pre-Treatment Plant Parcel	Remaining	P005	P005E01015	1.5	11/13/2013	Metal	Lead	7439-92-1	56.0000		1,000.00
Pre-Treatment Plant Parcel	Remaining	P005	P005E01015	1.5	11/13/2013	Metal	Mercury	7439-97-6	0.8800		2.80
Pre-Treatment Plant Parcel	Remaining	P005	P005E01015	1.5	11/13/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	88.0000		NL
Pre-Treatment Plant Parcel	Pending Removal	P005	P005N01015	1.5	11/13/2013	Metal	Barium	7440-39-3	75.0000		400.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005N01015	1.5	11/13/2013	Metal	Cadmium	7440-43-9	25.0000		9.30
Pre-Treatment Plant Parcel	Pending Removal	P005	P005N01015	1.5	11/13/2013	Metal	Lead	7439-92-1	450.0000		1,000.00
Pre-Treatment Plant Parcel	Pending Removal	P005	P005N01015	1.5	11/13/2013	Metal	Mercury	7439-97-6	1.4000		2.80
Pre-Treatment Plant Parcel	Pending Removal	P005	P005N01015	1.5	11/13/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	80.0000		NL
Pre-Treatment Plant Parcel	Remaining	P005	P005N02015	1.5	11/13/2013	Metal	Cadmium	7440-43-9	0.7300		9.30
Pre-Treatment Plant Parcel	Remaining	P005	P005N02015	1.5	11/13/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	82.0000		NL
Pre-Treatment Plant Parcel	Remaining	P005	P005S01015	1.5	11/13/2013	Metal	Barium	7440-39-3	52.0000		400.00
Pre-Treatment Plant Parcel	Remaining	P005	P005S01015	1.5	11/13/2013	Metal	Cadmium	7440-43-9	5.9000		9.30
Pre-Treatment Plant Parcel	Remaining	P005	P005S01015	1.5	11/13/2013	Metal	Lead	7439-92-1	150.0000		1,000.00
Pre-Treatment Plant Parcel	Remaining	P005	P005S01015	1.5	11/13/2013	Metal	Mercury	7439-97-6	1.1000		2.80
Pre-Treatment Plant Parcel	Remaining	P005	P005S01015	1.5	11/13/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	87.0000		NL
Pre-Treatment Plant Parcel	Remaining	P005	P005W01015	1.5	11/13/2013	Metal	Barium	7440-39-3	46.0000		400.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
Pre-Treatment Plant Parcel	Remaining	P005	P005W01015	1.5	11/13/2013	Metal	Cadmium	7440-43-9	2.0000		9.30
Pre-Treatment Plant Parcel	Remaining	P005	P005W01015	1.5	11/13/2013	Metal	Lead	7439-92-1	27.0000		1,000.00
Pre-Treatment Plant Parcel	Remaining	P005	P005W01015	1.5	11/13/2013	Metal	Mercury	7439-97-6	0.3500		2.80
Pre-Treatment Plant Parcel	Remaining	P005	P005W01015	1.5	11/13/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	84.0000		NL
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	Metal	Chromium	7440-47-3	7.6000		1,500.00
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	Metal	Mercury	7439-97-6	0.2600		2.80
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	86.0000		NL
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0001	U	30.00
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0002	U	130.00
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	VOC	CHLOROBENZENE	108-90-7	0.0003	U	500.00
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	VOC	CHLOROFORM	67-66-3	0.0003	U	350.00
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	VOC	CHLOROMETHANE	74-87-3	0.0007	U	NL
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0001	U	500.00
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	VOC	ETHYLBENZENE	100-41-4	0.0001	U	390.00
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	VOC	TOLUENE	108-88-3	0.0003	J	500.00
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	VOC	TRICHLOROETHENE	79-01-6	0.0001	U	200.00
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	VOC	VINYL CHLORIDE	75-01-4	0.0001	U	13.00
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2700	U	27.00
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	Metal	Arsenic	7440-38-2	2.3000		16.00
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	Metal	Barium	7440-39-3	44.0000		400.00
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	Metal	Beryllium	7440-41-7	0.3900		590.00
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	Metal	Cadmium	7440-43-9	0.0400	J	9.30
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	Metal	Chromium	7440-47-3	11.0000		1,500.00
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	Metal	Copper	7440-50-8	7.9000		270.00
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	Metal	Lead	7439-92-1	5.9000		1,000.00
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	Metal	Mercury	7439-97-6	0.1700		2.80
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	Metal	Nickel	7440-02-0	9.2000		310.00
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	Metal	Selenium	7782-49-2	0.4900	J	1,500.00
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	Metal	Silver	7440-22-4	0.1000	U	1,500.00
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	Metal	Zinc	7440-66-6	29.0000		10,000.00
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	PCBs	AROCLOR 1016	12674-11-2	0.0078	U	NL
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	PCBs	AROCLOR 1221	11104-28-2	0.0120	U	NL
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	PCBs	AROCLOR 1232	11141-16-5	0.0084	U	NL
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	PCBs	AROCLOR 1242	53469-21-9	0.0075	U	NL
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	PCBs	AROCLOR 1248	12672-29-6	0.0048	U	NL
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	PCBs	AROCLOR 1254	11097-69-1	0.0063	U	NL
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	PCBs	AROCLOR 1260	11096-82-5	0.0069	U	NL
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	PCBs	PCBs (Total)	1336-36-3	0.0120	U	1.00
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	80.0000		NL
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0540	U	NL
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0520	U	NL
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0400	U	5.60

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0500	U	1.00
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0410	U	5.60
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0390	U	56.00
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0400	U	56.00
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0400	U	0.56
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	SVOC-PAH	FLUORENE	86-73-7	0.0590	U	500.00
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0460	U	5.60
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0400	U	500.00
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0620	U	NL
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0670	U	500.00
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0440	U	6.70
Pre-Treatment Plant Parcel	Remaining	P006	P006015	1.5	4/3/2013	SVOC-Phenol	PHENOL	108-95-2	0.0610	U	500.00
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2700	U	27.00
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	Metal	Arsenic	7440-38-2	2.3000		16.00
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	Metal	Barium	7440-39-3	44.0000		400.00
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	Metal	Beryllium	7440-41-7	0.3900		590.00
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	Metal	Cadmium	7440-43-9	0.0400	J	9.30
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	Metal	Chromium	7440-47-3	11.0000		1,500.00
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	Metal	Copper	7440-50-8	7.9000		270.00
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	Metal	Lead	7439-92-1	5.9000		1,000.00
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	Metal	Mercury	7439-97-6	0.1700		2.80
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	Metal	Nickel	7440-02-0	9.2000		310.00
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	Metal	Selenium	7782-49-2	0.4900	J	1,500.00
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	Metal	Silver	7440-22-4	0.1000	U	1,500.00
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	Metal	Zinc	7440-66-6	29.0000		10,000.00
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	PCBs	AROCLOR 1016	12674-11-2	0.0078	U	NL
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	PCBs	AROCLOR 1221	11104-28-2	0.0120	U	NL
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	PCBs	AROCLOR 1232	11141-16-5	0.0084	U	NL
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	PCBs	AROCLOR 1242	53469-21-9	0.0075	U	NL
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	PCBs	AROCLOR 1248	12672-29-6	0.0048	U	NL
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	PCBs	AROCLOR 1254	11097-69-1	0.0063	U	NL
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	PCBs	AROCLOR 1260	11096-82-5	0.0069	U	NL
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	PCBs	PCBs (Total)	1336-36-3	0.0120	U	1.00
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	80.0000		NL
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0540	U	NL
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0520	U	NL
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0400	U	5.60
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0500	U	1.00
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0410	U	5.60
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0390	U	56.00
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0400	U	56.00
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0400	U	0.56
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	SVOC-PAH	FLUORENE	86-73-7	0.0590	U	500.00
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0460	U	5.60
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0400	U	500.00
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0620	U	NL
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0670	U	500.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0440	U	6.70
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/3/2013	SVOC-Phenol	PHENOL	108-95-2	0.0610	U	500.00
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/2/2013	Metal	Chromium	7440-47-3	16.0000		1,500.00
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/2/2013	Metal	Mercury	7439-97-6	0.0870	J	2.80
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	74.0000		NL
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/2/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/2/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/2/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/2/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0003	U	130.00
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/2/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/2/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/2/2013	VOC	CHLOROBENZENE	108-90-7	0.0004	U	500.00
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/2/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/2/2013	VOC	CHLOROMETHANE	74-87-3	0.0009	U	NL
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/2/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/2/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/2/2013	VOC	TOLUENE	108-88-3	0.0004	J	500.00
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/2/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/2/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
Pre-Treatment Plant Parcel	Remaining	P007	P007015	1.5	4/2/2013	VOC	VINYL CHLORIDE	75-01-4	0.0002	U	13.00
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	Metal	Chromium	7440-47-3	27.0000		1,500.00
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	90.0000		NL
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0001	U	30.00
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0002	U	130.00
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	VOC	CHLOROBENZENE	108-90-7	0.0004	U	500.00
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	VOC	CHLOROMETHANE	74-87-3	0.0008	U	NL
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	VOC	TOLUENE	108-88-3	0.0004	J	500.00
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	VOC	VINYL CHLORIDE	75-01-4	0.0001	U	13.00
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2400	U	27.00
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	Metal	Arsenic	7440-38-2	1.2000		16.00
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	Metal	Barium	7440-39-3	74.0000		400.00
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	Metal	Beryllium	7440-41-7	0.3200		590.00
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	Metal	Cadmium	7440-43-9	0.8000		9.30
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	Metal	Chromium	7440-47-3	17.0000		1,500.00
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	Metal	Copper	7440-50-8	6.4000		270.00
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	Metal	Lead	7439-92-1	23.0000		1,000.00
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	Metal	Mercury	7439-97-6	0.0200	U	2.80
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	Metal	Nickel	7440-02-0	5.8000		310.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	Metal	Selenium	7782-49-2	0.6500	J	1,500.00
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	Metal	Silver	7440-22-4	0.0900	U	1,500.00
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	Metal	Zinc	7440-66-6	40.0000		10,000.00
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	PCBs	AROCLOR 1016	12674-11-2	0.0072	U	NL
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	PCBs	AROCLOR 1221	11104-28-2	0.0110	U	NL
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	PCBs	AROCLOR 1232	11141-16-5	0.0078	U	NL
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	PCBs	AROCLOR 1242	53469-21-9	0.0070	U	NL
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	PCBs	AROCLOR 1248	12672-29-6	0.0044	U	NL
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	PCBs	AROCLOR 1254	11097-69-1	0.0058	U	NL
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	PCBs	AROCLOR 1260	11096-82-5	0.0064	U	NL
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	PCBs	PCBs (Total)	1336-36-3	0.0110	U	1.00
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	89.0000		NL
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0480	U	NL
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0470	U	NL
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0360	U	5.60
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0450	U	1.00
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0370	U	5.60
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0350	U	56.00
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0360	U	56.00
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0360	U	0.56
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	SVOC-PAH	FLUORENE	86-73-7	0.0530	U	500.00
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0410	U	5.60
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0360	U	500.00
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0560	U	NL
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0610	U	500.00
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0400	U	6.70
Pre-Treatment Plant Parcel	Remaining	P008	P008015	1.5	4/2/2013	SVOC-Phenol	PHENOL	108-95-2	0.0550	U	500.00
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	Metal	Cadmium	7440-43-9	3.7000		9.30
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	Metal	Chromium	7440-47-3	63.0000		1,500.00
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	Metal	Lead	7439-92-1	94.0000		1,000.00
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	82.0000		NL
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0001	U	30.00
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0002	U	130.00
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	VOC	CHLOROBENZENE	108-90-7	0.0003	U	500.00
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	VOC	CHLOROFORM	67-66-3	0.0003	U	350.00
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	VOC	CHLOROMETHANE	74-87-3	0.0007	U	NL
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0001	U	500.00
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	VOC	ETHYLBENZENE	100-41-4	0.0001	U	390.00
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	VOC	TOLUENE	108-88-3	0.0002	J	500.00
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	VOC	TRICHLOROETHENE	79-01-6	0.0001	U	200.00
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	VOC	VINYL CHLORIDE	75-01-4	0.0001	U	13.00
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2700	U	27.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	Metal	Arsenic	7440-38-2	1.4000		16.00
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	Metal	Barium	7440-39-3	22.0000		400.00
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	Metal	Beryllium	7440-41-7	0.3200		590.00
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	Metal	Cadmium	7440-43-9	1.7000		9.30
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	Metal	Chromium	7440-47-3	36.0000		1,500.00
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	Metal	Copper	7440-50-8	7.1000		270.00
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	Metal	Lead	7439-92-1	54.0000		1,000.00
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	Metal	Mercury	7439-97-6	0.0200	U	2.80
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	Metal	Nickel	7440-02-0	6.0000		310.00
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	Metal	Selenium	7782-49-2	0.4200	J	1,500.00
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	Metal	Silver	7440-22-4	0.0900	U	1,500.00
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	Metal	Zinc	7440-66-6	32.0000		10,000.00
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	PCBs	AROCLOR 1016	12674-11-2	0.0076	U	NL
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	PCBs	AROCLOR 1221	11104-28-2	0.0116	U	NL
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	PCBs	AROCLOR 1232	11141-16-5	0.0082	U	NL
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	PCBs	AROCLOR 1242	53469-21-9	0.0073	U	NL
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	PCBs	AROCLOR 1248	12672-29-6	0.0047	U	NL
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	PCBs	AROCLOR 1254	11097-69-1	0.0061	U	NL
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	PCBs	AROCLOR 1260	11096-82-5	0.0067	U	NL
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	PCBs	PCBs (Total)	1336-36-3	0.0116	U	1.00
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	84.0000		NL
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0510	U	NL
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0490	U	NL
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0380	U	5.60
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0470	U	1.00
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0390	U	5.60
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0370	U	56.00
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0380	U	56.00
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0380	U	0.56
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	SVOC-PAH	FLUORENE	86-73-7	0.0560	U	500.00
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0430	U	5.60
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0380	U	500.00
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0590	U	NL
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0640	U	500.00
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0420	U	6.70
Pre-Treatment Plant Parcel	Remaining	P010	P010015	1.5	4/2/2013	SVOC-Phenol	PHENOL	108-95-2	0.0570	U	500.00
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2700	U	27.00
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	Metal	Arsenic	7440-38-2	1.4000		16.00
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	Metal	Barium	7440-39-3	22.0000		400.00
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	Metal	Beryllium	7440-41-7	0.3200		590.00
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	Metal	Cadmium	7440-43-9	1.7000		9.30
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	Metal	Chromium	7440-47-3	36.0000		1,500.00
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	Metal	Copper	7440-50-8	7.1000		270.00
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	Metal	Lead	7439-92-1	54.0000		1,000.00
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	Metal	Mercury	7439-97-6	0.0200	U	2.80
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	Metal	Nickel	7440-02-0	6.0000		310.00
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	Metal	Selenium	7782-49-2	0.4200	J	1,500.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	Metal	Silver	7440-22-4	0.0900	U	1,500.00
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	Metal	Zinc	7440-66-6	32.0000		10,000.00
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	PCBs	AROCLOR 1016	12674-11-2	0.0076	U	NL
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	PCBs	AROCLOR 1221	11104-28-2	0.0116	U	NL
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	PCBs	AROCLOR 1232	11141-16-5	0.0082	U	NL
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	PCBs	AROCLOR 1242	53469-21-9	0.0073	U	NL
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	PCBs	AROCLOR 1248	12672-29-6	0.0047	U	NL
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	PCBs	AROCLOR 1254	11097-69-1	0.0061	U	NL
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	PCBs	AROCLOR 1260	11096-82-5	0.0067	U	NL
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	PCBs	PCBs (Total)	1336-36-3	0.0116	U	1.00
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	84.0000		NL
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0510	U	NL
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0490	U	NL
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0380	U	5.60
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0470	U	1.00
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0390	U	5.60
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0370	U	56.00
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0380	U	56.00
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0380	U	0.56
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	SVOC-PAH	FLUORENE	86-73-7	0.0560	U	500.00
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0430	U	5.60
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0380	U	500.00
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0590	U	NL
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0640	U	500.00
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0420	U	6.70
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	SVOC-Phenol	PHENOL	108-95-2	0.0570	U	500.00
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	Metal	Cadmium	7440-43-9	0.1300	J	9.30
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	Metal	Chromium	7440-47-3	8.2000		1,500.00
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	Metal	Lead	7439-92-1	10.0000		1,000.00
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	87.0000		NL
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0003	U	130.00
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	VOC	CHLOROBENZENE	108-90-7	0.0004	U	500.00
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	VOC	CHLOROMETHANE	74-87-3	0.0008	U	NL
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	VOC	TOLUENE	108-88-3	0.0002	J	500.00
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
Pre-Treatment Plant Parcel	Remaining	P011	P011015	1.5	4/2/2013	VOC	VINYL CHLORIDE	75-01-4	0.0002	U	13.00
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	Metal	Cadmium	7440-43-9	3.3000		9.30
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	Metal	Chromium	7440-47-3	24.0000		1,500.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	88.0000		NL
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0001	U	30.00
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0002	U	130.00
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	VOC	CHLOROBENZENE	108-90-7	0.0003	U	500.00
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	VOC	CHLOROFORM	67-66-3	0.0003	U	350.00
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	VOC	CHLOROMETHANE	74-87-3	0.0007	U	NL
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0001	U	500.00
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	VOC	ETHYLBENZENE	100-41-4	0.0001	U	390.00
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	VOC	TOLUENE	108-88-3	0.0003	J	500.00
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	VOC	TRICHLOROETHENE	79-01-6	0.0001	U	200.00
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	VOC	VINYL CHLORIDE	75-01-4	0.0001	U	13.00
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2600	U	27.00
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	Metal	Arsenic	7440-38-2	2.4000		16.00
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	Metal	Barium	7440-39-3	86.0000		400.00
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	Metal	Beryllium	7440-41-7	0.5700		590.00
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	Metal	Cadmium	7440-43-9	1.7000		9.30
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	Metal	Chromium	7440-47-3	17.0000		1,500.00
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	Metal	Copper	7440-50-8	9.2000		270.00
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	Metal	Lead	7439-92-1	24.0000		1,000.00
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	Metal	Mercury	7439-97-6	0.0900		2.80
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	Metal	Nickel	7440-02-0	9.6000		310.00
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	Metal	Selenium	7782-49-2	0.7900	J	1,500.00
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	Metal	Silver	7440-22-4	0.0900	U	1,500.00
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	Metal	Zinc	7440-66-6	34.0000		10,000.00
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	PCBs	AROCLOR 1016	12674-11-2	0.0075	U	NL
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	PCBs	AROCLOR 1221	11104-28-2	0.0114	U	NL
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	PCBs	AROCLOR 1232	11141-16-5	0.0081	U	NL
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	PCBs	AROCLOR 1242	53469-21-9	0.0072	U	NL
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	PCBs	AROCLOR 1248	12672-29-6	0.0046	U	NL
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	PCBs	AROCLOR 1254	11097-69-1	0.0060	U	NL
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	PCBs	AROCLOR 1260	11096-82-5	0.0066	U	NL
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	PCBs	PCBs (Total)	1336-36-3	0.0114	U	1.00
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	86.0000		NL
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0500	U	NL
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0480	U	NL
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0370	U	5.60
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0470	U	1.00
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0380	U	5.60
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0360	U	56.00
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0380	U	56.00
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0370	U	0.56
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	SVOC-PAH	FLUORENE	86-73-7	0.0550	U	500.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0420	U	5.60
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0370	U	500.00
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0580	U	NL
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0630	U	500.00
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0410	U	6.70
Pre-Treatment Plant Parcel	Remaining	P012	P012015	1.5	4/2/2013	SVOC-Phenol	PHENOL	108-95-2	0.0560	U	500.00
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	Metal	Cadmium	7440-43-9	0.0700	J	9.30
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	Metal	Chromium	7440-47-3	7.7000		1,500.00
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	84.0000		NL
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0001	U	30.00
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0002	U	130.00
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	VOC	CHLOROBENZENE	108-90-7	0.0003	U	500.00
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	VOC	CHLOROFORM	67-66-3	0.0003	U	350.00
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	VOC	CHLOROMETHANE	74-87-3	0.0007	U	NL
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0001	U	500.00
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	VOC	ETHYLBENZENE	100-41-4	0.0001	U	390.00
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	VOC	TOLUENE	108-88-3	0.0005	J	500.00
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	VOC	TRICHLOROETHENE	79-01-6	0.0001	U	200.00
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	VOC	VINYL CHLORIDE	75-01-4	0.0001	U	13.00
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2600	U	27.00
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	Metal	Arsenic	7440-38-2	2.4000		16.00
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	Metal	Barium	7440-39-3	86.0000		400.00
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	Metal	Beryllium	7440-41-7	0.5700		590.00
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	Metal	Cadmium	7440-43-9	1.7000		9.30
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	Metal	Chromium	7440-47-3	17.0000		1,500.00
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	Metal	Copper	7440-50-8	9.2000		270.00
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	Metal	Lead	7439-92-1	24.0000		1,000.00
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	Metal	Mercury	7439-97-6	0.0900		2.80
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	Metal	Nickel	7440-02-0	9.6000		310.00
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	Metal	Selenium	7782-49-2	0.7900	J	1,500.00
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	Metal	Silver	7440-22-4	0.0900	U	1,500.00
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	Metal	Zinc	7440-66-6	34.0000		10,000.00
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	PCBs	AROCLOR 1016	12674-11-2	0.0075	U	NL
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	PCBs	AROCLOR 1221	11104-28-2	0.0114	U	NL
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	PCBs	AROCLOR 1232	11141-16-5	0.0081	U	NL
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	PCBs	AROCLOR 1242	53469-21-9	0.0072	U	NL
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	PCBs	AROCLOR 1248	12672-29-6	0.0046	U	NL
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	PCBs	AROCLOR 1254	11097-69-1	0.0060	U	NL
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	PCBs	AROCLOR 1260	11096-82-5	0.0066	U	NL
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	PCBs	PCBs (Total)	1336-36-3	0.0114	U	1.00
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	86.0000		NL
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0500	U	NL

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0480	U	NL
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0370	U	5.60
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0470	U	1.00
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0380	U	5.60
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0360	U	56.00
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0380	U	56.00
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0370	U	0.56
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	SVOC-PAH	FLUORENE	86-73-7	0.0550	U	500.00
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0420	U	5.60
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0370	U	500.00
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0580	U	NL
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0630	U	500.00
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0410	U	6.70
Pre-Treatment Plant Parcel	Remaining	P013	P013015	1.5	4/2/2013	SVOC-Phenol	PHENOL	108-95-2	0.0560	U	500.00
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2400	U	27.00
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	Metal	Arsenic	7440-38-2	1.2000		16.00
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	Metal	Barium	7440-39-3	74.0000		400.00
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	Metal	Beryllium	7440-41-7	0.3200		590.00
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	Metal	Cadmium	7440-43-9	0.8000		9.30
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	Metal	Chromium	7440-47-3	17.0000		1,500.00
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	Metal	Copper	7440-50-8	6.4000		270.00
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	Metal	Lead	7439-92-1	23.0000		1,000.00
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	Metal	Mercury	7439-97-6	0.0200	U	2.80
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	Metal	Nickel	7440-02-0	5.8000		310.00
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	Metal	Selenium	7782-49-2	0.6500	J	1,500.00
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	Metal	Silver	7440-22-4	0.0900	U	1,500.00
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	Metal	Zinc	7440-66-6	40.0000		10,000.00
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	PCBs	AROCLOR 1016	12674-11-2	0.0072	U	NL
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	PCBs	AROCLOR 1221	11104-28-2	0.0110	U	NL
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	PCBs	AROCLOR 1232	11141-16-5	0.0078	U	NL
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	PCBs	AROCLOR 1242	53469-21-9	0.0070	U	NL
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	PCBs	AROCLOR 1248	12672-29-6	0.0044	U	NL
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	PCBs	AROCLOR 1254	11097-69-1	0.0058	U	NL
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	PCBs	AROCLOR 1260	11096-82-5	0.0064	U	NL
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	PCBs	PCBs (Total)	1336-36-3	0.0110	U	1.00
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	89.0000		NL
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0480	U	NL
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0470	U	NL
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0360	U	5.60
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0450	U	1.00
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0370	U	5.60
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0350	U	56.00
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0360	U	56.00
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0360	U	0.56
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	SVOC-PAH	FLUORENE	86-73-7	0.0530	U	500.00
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0410	U	5.60
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0360	U	500.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0560	U	NL
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0610	U	500.00
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0400	U	6.70
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	SVOC-Phenol	PHENOL	108-95-2	0.0550	U	500.00
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	Metal	Chromium	7440-47-3	3.9000		1,500.00
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	88.0000		NL
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0003	U	130.00
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	VOC	CHLOROBENZENE	108-90-7	0.0004	U	500.00
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	VOC	CHLOROMETHANE	74-87-3	0.0009	U	NL
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	VOC	TOLUENE	108-88-3	0.0003	J	500.00
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
Pre-Treatment Plant Parcel	Remaining	P014	P014015	1.5	4/2/2013	VOC	VINYL CHLORIDE	75-01-4	0.0002	U	13.00
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	Metal	Chromium	7440-47-3	8.6000		1,500.00
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	Metal	Mercury	7439-97-6	0.0400	J	2.80
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	92.0000		NL
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0003	U	130.00
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	VOC	CHLOROBENZENE	108-90-7	0.0004	U	500.00
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	VOC	CHLOROMETHANE	74-87-3	0.0009	U	NL
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	VOC	TOLUENE	108-88-3	0.0004	J	500.00
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	VOC	VINYL CHLORIDE	75-01-4	0.0002	U	13.00
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2400	U	27.00
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	Metal	Arsenic	7440-38-2	1.3000		16.00
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	Metal	Barium	7440-39-3	24.0000		400.00
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	Metal	Beryllium	7440-41-7	0.3800		590.00
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	Metal	Cadmium	7440-43-9	0.0600	J	9.30
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	Metal	Chromium	7440-47-3	10.0000		1,500.00
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	Metal	Copper	7440-50-8	5.2000		270.00
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	Metal	Lead	7439-92-1	6.6000		1,000.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	Metal	Mercury	7439-97-6	0.1100		2.80
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	Metal	Nickel	7440-02-0	6.1000		310.00
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	Metal	Selenium	7782-49-2	0.5800	J	1,500.00
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	Metal	Silver	7440-22-4	0.0900	U	1,500.00
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	Metal	Zinc	7440-66-6	30.0000		10,000.00
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	PCBs	AROCLOR 1016	12674-11-2	0.0071	U	NL
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	PCBs	AROCLOR 1221	11104-28-2	0.0108	U	NL
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	PCBs	AROCLOR 1232	11141-16-5	0.0076	U	NL
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	PCBs	AROCLOR 1242	53469-21-9	0.0068	U	NL
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	PCBs	AROCLOR 1248	12672-29-6	0.0043	U	NL
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	PCBs	AROCLOR 1254	11097-69-1	0.0056	U	NL
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	PCBs	AROCLOR 1260	11096-82-5	0.0062	U	NL
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	PCBs	PCBs (Total)	1336-36-3	0.0108	U	1.00
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	91.0000		NL
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0470	U	NL
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0460	U	NL
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0350	U	5.60
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0440	U	1.00
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0360	U	5.60
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0340	U	56.00
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0360	U	56.00
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0350	U	0.56
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	SVOC-PAH	FLUORENE	86-73-7	0.0520	U	500.00
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0400	U	5.60
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0350	U	500.00
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0550	U	NL
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0590	U	500.00
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0390	U	6.70
Pre-Treatment Plant Parcel	Remaining	P015	P015015	1.5	4/2/2013	SVOC-Phenol	PHENOL	108-95-2	0.0540	U	500.00
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2400	U	27.00
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	Metal	Arsenic	7440-38-2	1.3000		16.00
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	Metal	Barium	7440-39-3	24.0000		400.00
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	Metal	Beryllium	7440-41-7	0.3800		590.00
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	Metal	Cadmium	7440-43-9	0.0600	J	9.30
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	Metal	Chromium	7440-47-3	10.0000		1,500.00
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	Metal	Copper	7440-50-8	5.2000		270.00
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	Metal	Lead	7439-92-1	6.6000		1,000.00
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	Metal	Mercury	7439-97-6	0.1100		2.80
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	Metal	Nickel	7440-02-0	6.1000		310.00
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	Metal	Selenium	7782-49-2	0.5800	J	1,500.00
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	Metal	Silver	7440-22-4	0.0900	U	1,500.00
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	Metal	Zinc	7440-66-6	30.0000		10,000.00
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	PCBs	AROCLOR 1016	12674-11-2	0.0071	U	NL
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	PCBs	AROCLOR 1221	11104-28-2	0.0108	U	NL
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	PCBs	AROCLOR 1232	11141-16-5	0.0076	U	NL
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	PCBs	AROCLOR 1242	53469-21-9	0.0068	U	NL
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	PCBs	AROCLOR 1248	12672-29-6	0.0043	U	NL

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	PCBs	AROCLOR 1254	11097-69-1	0.0056	U	NL
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	PCBs	AROCLOR 1260	11096-82-5	0.0062	U	NL
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	PCBs	PCBs (Total)	1336-36-3	0.0108	U	1.00
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	91.0000		NL
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0470	U	NL
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0460	U	NL
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0350	U	5.60
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0440	U	1.00
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0360	U	5.60
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0340	U	56.00
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0360	U	56.00
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0350	U	0.56
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	SVOC-PAH	FLUORENE	86-73-7	0.0520	U	500.00
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0400	U	5.60
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0350	U	500.00
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0550	U	NL
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0590	U	500.00
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0390	U	6.70
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	SVOC-Phenol	PHENOL	108-95-2	0.0540	U	500.00
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	Metal	Chromium	7440-47-3	7.9000		1,500.00
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	Metal	Mercury	7439-97-6	0.1900		2.80
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	90.0000		NL
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0001	U	30.00
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0002	U	130.00
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	VOC	CHLOROBENZENE	108-90-7	0.0003	U	500.00
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	VOC	CHLOROMETHANE	74-87-3	0.0007	U	NL
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0001	U	500.00
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	VOC	ETHYLBENZENE	100-41-4	0.0001	U	390.00
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	VOC	TOLUENE	108-88-3	0.0003	J	500.00
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	VOC	TRICHLOROETHENE	79-01-6	0.0001	U	200.00
Pre-Treatment Plant Parcel	Remaining	P016	P016015	1.5	4/2/2013	VOC	VINYL CHLORIDE	75-01-4	0.0001	U	13.00
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	Metal	Chromium	7440-47-3	18.0000		1,500.00
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	92.0000		NL
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0001	U	30.00
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0002	U	130.00
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	VOC	CHLOROBENZENE	108-90-7	0.0003	U	500.00
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	VOC	CHLOROMETHANE	74-87-3	0.0008	U	NL
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	VOC	TOLUENE	108-88-3	0.0004	J	500.00
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	VOC	VINYL CHLORIDE	75-01-4	0.0001	U	13.00
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2400	U	27.00
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	Metal	Arsenic	7440-38-2	1.6000		16.00
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	Metal	Barium	7440-39-3	31.0000		400.00
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	Metal	Beryllium	7440-41-7	0.3600		590.00
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	Metal	Cadmium	7440-43-9	0.2200	J	9.30
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	Metal	Chromium	7440-47-3	37.0000		1,500.00
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	Metal	Copper	7440-50-8	7.5000		270.00
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	Metal	Lead	7439-92-1	21.0000		1,000.00
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	Metal	Mercury	7439-97-6	0.0400	J	2.80
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	Metal	Nickel	7440-02-0	5.9000		310.00
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	Metal	Selenium	7782-49-2	0.4600	J	1,500.00
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	Metal	Silver	7440-22-4	0.0900	U	1,500.00
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	Metal	Zinc	7440-66-6	32.0000		10,000.00
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	PCBs	AROCLOR 1016	12674-11-2	0.0069	U	NL
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	PCBs	AROCLOR 1221	11104-28-2	0.0105	U	NL
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	PCBs	AROCLOR 1232	11141-16-5	0.0074	U	NL
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	PCBs	AROCLOR 1242	53469-21-9	0.0066	U	NL
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	PCBs	AROCLOR 1248	12672-29-6	0.0042	U	NL
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	PCBs	AROCLOR 1254	11097-69-1	0.0055	U	NL
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	PCBs	AROCLOR 1260	11096-82-5	0.0061	U	NL
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	PCBs	PCBs (Total)	1336-36-3	0.0105	U	1.00
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	91.0000		NL
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0470	U	NL
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0460	U	NL
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0350	U	5.60
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0440	U	1.00
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0360	U	5.60
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0340	U	56.00
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0360	U	56.00
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0350	U	0.56
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	SVOC-PAH	FLUORENE	86-73-7	0.0520	U	500.00
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0400	U	5.60
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0350	U	500.00
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0550	U	NL
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0590	U	500.00
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0390	U	6.70
Pre-Treatment Plant Parcel	Remaining	P017	P017015	1.5	4/2/2013	SVOC-Phenol	PHENOL	108-95-2	0.0540	U	500.00
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2400	U	27.00
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	Metal	Arsenic	7440-38-2	1.6000		16.00
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	Metal	Barium	7440-39-3	31.0000		400.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	Metal	Beryllium	7440-41-7	0.3600		590.00
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	Metal	Cadmium	7440-43-9	0.2200	J	9.30
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	Metal	Chromium	7440-47-3	37.0000		1,500.00
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	Metal	Copper	7440-50-8	7.5000		270.00
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	Metal	Lead	7439-92-1	21.0000		1,000.00
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	Metal	Mercury	7439-97-6	0.0400	J	2.80
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	Metal	Nickel	7440-02-0	5.9000		310.00
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	Metal	Selenium	7782-49-2	0.4600	J	1,500.00
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	Metal	Silver	7440-22-4	0.0900	U	1,500.00
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	Metal	Zinc	7440-66-6	32.0000		10,000.00
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	PCBs	AROCLOR 1016	12674-11-2	0.0069	U	NL
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	PCBs	AROCLOR 1221	11104-28-2	0.0105	U	NL
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	PCBs	AROCLOR 1232	11141-16-5	0.0074	U	NL
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	PCBs	AROCLOR 1242	53469-21-9	0.0066	U	NL
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	PCBs	AROCLOR 1248	12672-29-6	0.0042	U	NL
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	PCBs	AROCLOR 1254	11097-69-1	0.0055	U	NL
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	PCBs	AROCLOR 1260	11096-82-5	0.0061	U	NL
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	PCBs	PCBs (Total)	1336-36-3	0.0105	U	1.00
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	91.0000		NL
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0470	U	NL
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0460	U	NL
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.0350	U	5.60
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.0440	U	1.00
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.0360	U	5.60
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.0340	U	56.00
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	SVOC-PAH	CHRYSENE	218-01-9	0.0360	U	56.00
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0350	U	0.56
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	SVOC-PAH	FLUORENE	86-73-7	0.0520	U	500.00
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.0400	U	5.60
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.0350	U	500.00
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0550	U	NL
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0590	U	500.00
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0390	U	6.70
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	SVOC-Phenol	PHENOL	108-95-2	0.0540	U	500.00
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	Metal	Chromium	7440-47-3	52.0000		1,500.00
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	91.0000		NL
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0001	U	30.00
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0002	U	130.00
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	VOC	CHLOROBENZENE	108-90-7	0.0003	U	500.00
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	VOC	CHLOROMETHANE	74-87-3	0.0007	U	NL
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0001	U	500.00
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	VOC	ETHYLBENZENE	100-41-4	0.0001	U	390.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	VOC	TOLUENE	108-88-3	0.0003	J	500.00
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	VOC	TRICHLOROETHENE	79-01-6	0.0001	U	200.00
Pre-Treatment Plant Parcel	Remaining	P018	P018015	1.5	4/2/2013	VOC	VINYL CHLORIDE	75-01-4	0.0001	U	13.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	Metal	Cadmium	7440-43-9	10.0000		9.30
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	Metal	Chromium	7440-47-3	35.0000		1,500.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	Metal	Copper	7440-50-8	65.0000		270.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	Metal	Lead	7439-92-1	140.0000		1,000.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	Metal	Mercury	7439-97-6	4.6000		2.80
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	Metal	Zinc	7440-66-6	120.0000		10,000.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	81.0000		NL
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0003	U	500.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0003	U	280.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0003	U	130.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	VOC	BENZENE	71-43-2	0.0002	U	44.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0003	U	22.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	VOC	CHLOROBENZENE	108-90-7	0.0005	U	500.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	VOC	CHLOROFORM	67-66-3	0.0005	U	350.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	VOC	CHLOROMETHANE	74-87-3	0.0011	U	NL
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	VOC	TOLUENE	108-88-3	0.0002	U	500.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0003	U	500.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	VOC	VINYL CHLORIDE	75-01-4	0.0002	U	13.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2800	U	27.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	Metal	Arsenic	7440-38-2	3.6000		16.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	Metal	Barium	7440-39-3	110.0000		400.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	Metal	Beryllium	7440-41-7	0.3600		590.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	Metal	Cadmium	7440-43-9	16.0000		9.30
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	Metal	Chromium	7440-47-3	35.0000		1,500.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	Metal	Copper	7440-50-8	39.0000		270.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	Metal	Lead	7439-92-1	92.0000		1,000.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	Metal	Mercury	7439-97-6	7.3000		2.80
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	Metal	Nickel	7440-02-0	7.7000		310.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	Metal	Selenium	7782-49-2	0.7300	J	1,500.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	Metal	Silver	7440-22-4	0.0900	U	1,500.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	Metal	Zinc	7440-66-6	82.0000		10,000.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	82.0000		NL
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0520	U	NL
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0500	U	NL
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.1700		5.60
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.1800		1.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.2000		5.60
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.1000	J	56.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	SVOC-PAH	CHRYSENE	218-01-9	0.1800		56.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0380	U	0.56
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	SVOC-PAH	FLUORENE	86-73-7	0.0570	U	500.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.1100	J	5.60
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.1400		500.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0600	U	NL
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0650	U	500.00
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0420	U	6.70
Sliver Quarry Parcel	Remaining	S004	S004015	1.5	4/4/2013	SVOC-Phenol	PHENOL	108-95-2	0.0580	U	500.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	Metal	Cadmium	7440-43-9	68.0000		9.30
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	Metal	Chromium	7440-47-3	120.0000		1,500.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	Metal	Chromium(VI)	18540-29-9	0.2400	U	400.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	Metal	Copper	7440-50-8	85.0000		270.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	Metal	Lead	7439-92-1	540.0000		1,000.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	Metal	Mercury	7439-97-6	15.0000		2.80
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	Metal	Nickel	7440-02-0	16.0000		310.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	Metal	Zinc	7440-66-6	240.0000		10,000.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	76.0000		NL
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.2200		5.60
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.2800		5.60
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC-PAH	CHRYSENE	218-01-9	0.2400		56.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC-PAH	CHRYSENE	218-01-9	0.3500		56.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.1900		5.60
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.2800		5.60
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.4700		6.70
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.6200		6.70
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0003	U	130.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0003	U	22.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	VOC	CHLOROBENZENE	108-90-7	0.0004	U	500.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	VOC	CHLOROFORM	67-66-3	0.0005	U	350.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	VOC	CHLOROMETHANE	74-87-3	0.0010	U	NL
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	VOC	TOLUENE	108-88-3	0.0001	U	500.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0003	U	500.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	VOC	VINYL CHLORIDE	75-01-4	0.0002	U	13.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	1.3000		27.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	Metal	Arsenic	7440-38-2	4.4000		16.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	Metal	Barium	7440-39-3	160.0000		400.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	Metal	Beryllium	7440-41-7	0.6300		590.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	Metal	Cadmium	7440-43-9	54.0000		9.30
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	Metal	Chromium	7440-47-3	91.0000		1,500.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	Metal	Copper	7440-50-8	54.0000		270.00

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	Metal	Lead	7439-92-1	280.0000		1,000.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	Metal	Mercury	7439-97-6	18.0000		2.80
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	Metal	Nickel	7440-02-0	16.0000		310.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	Metal	Selenium	7782-49-2	1.6000		1,500.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	Metal	Silver	7440-22-4	0.1900	J	1,500.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	Metal	Zinc	7440-66-6	150.0000		10,000.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	78.0000		NL
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0550	U	NL
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.1100	U	NL
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0540	U	NL
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.1100	U	NL
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.4500		5.60
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.4900		5.60
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.4800		1.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.5000		1.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.6300		5.60
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.6500		5.60
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.2600		56.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.2700		56.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC-PAH	CHRYSENE	218-01-9	0.5000		56.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC-PAH	CHRYSENE	218-01-9	0.5300		56.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0820	U	0.56
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0900	J	0.56
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC-PAH	FLUORENE	86-73-7	0.0600	U	500.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC-PAH	FLUORENE	86-73-7	0.1200	U	500.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.2800		5.60
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.3200	J	5.60
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.4800		500.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.6000		500.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0640	U	NL
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.1300	U	NL
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0690	U	500.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.1400	U	500.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.6700		6.70
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.8800		6.70
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC-Phenol	PHENOL	108-95-2	0.0620	U	500.00
Sliver Quarry Parcel	Remaining	S005	S005015	1.5	4/4/2013	SVOC-Phenol	PHENOL	108-95-2	0.1200	U	500.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	Metal	Cadmium	7440-43-9	210.0000		9.30
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	Metal	Chromium	7440-47-3	180.0000		1,500.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	Metal	Chromium(VI)	18540-29-9	0.2200	U	400.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	Metal	Copper	7440-50-8	43.0000		270.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	Metal	Lead	7439-92-1	540.0000		1,000.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	Metal	Mercury	7439-97-6	18.0000		2.80
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	Metal	Nickel	7440-02-0	19.0000		310.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	Metal	Zinc	7440-66-6	170.0000		10,000.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	83.0000		NL
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	1.1000		5.60

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	1.3000		1.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	1.3000		5.60
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	SVOC-PAH	CHRYSENE	218-01-9	1.2000		56.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.2200	J	0.56
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	1.2000		5.60
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.3000	U	NL
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.3200	U	500.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	SVOC-Phenol	PHENOL	108-95-2	0.2900	U	500.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0003	U	130.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	VOC	CHLOROBENZENE	108-90-7	0.0004	U	500.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	VOC	CHLOROMETHANE	74-87-3	0.0009	U	NL
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	VOC	TOLUENE	108-88-3	0.0001	U	500.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	VOC	VINYL CHLORIDE	75-01-4	0.0002	U	13.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2500	U	27.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	Metal	Arsenic	7440-38-2	3.5000		16.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	Metal	Barium	7440-39-3	100.0000		400.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	Metal	Beryllium	7440-41-7	0.5200		590.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	Metal	Cadmium	7440-43-9	110.0000		9.30
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	Metal	Chromium	7440-47-3	100.0000		1,500.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	Metal	Copper	7440-50-8	32.0000		270.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	Metal	Lead	7439-92-1	280.0000		1,000.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	Metal	Mercury	7439-97-6	9.1000		2.80
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	Metal	Nickel	7440-02-0	17.0000		310.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	Metal	Selenium	7782-49-2	1.2000		1,500.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	Metal	Silver	7440-22-4	0.1200	J	1,500.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	Metal	Zinc	7440-66-6	110.0000		10,000.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	86.0000		NL
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.3300	U	NL
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.3200	U	NL
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.6200	J	5.60
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.7200	J	1.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.8500		5.60
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.3000	J	56.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	SVOC-PAH	CHRYSENE	218-01-9	0.6200	J	56.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.2400	U	0.56
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	SVOC-PAH	FLUORENE	86-73-7	0.3600	U	500.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.4300	J	5.60

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.4800	J	500.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.3800	U	NL
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.4200	U	500.00
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.2700	U	6.70
Sliver Quarry Parcel	Remaining	S006	S006015	1.5	4/4/2013	SVOC-Phenol	PHENOL	108-95-2	0.3800	U	500.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2500	U	27.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	Metal	Arsenic	7440-38-2	3.5000		16.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	Metal	Barium	7440-39-3	100.0000		400.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	Metal	Beryllium	7440-41-7	0.5200		590.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	Metal	Cadmium	7440-43-9	110.0000		9.30
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	Metal	Chromium	7440-47-3	100.0000		1,500.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	Metal	Copper	7440-50-8	32.0000		270.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	Metal	Lead	7439-92-1	280.0000		1,000.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	Metal	Mercury	7439-97-6	9.1000		2.80
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	Metal	Nickel	7440-02-0	17.0000		310.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	Metal	Selenium	7782-49-2	1.2000		1,500.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	Metal	Silver	7440-22-4	0.1200	J	1,500.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	Metal	Zinc	7440-66-6	110.0000		10,000.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	86.0000		NL
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.3300	U	NL
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.3200	U	NL
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.6200	J	5.60
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.7200	J	1.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.8500		5.60
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.3000	J	56.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	SVOC-PAH	CHRYSENE	218-01-9	0.6200	J	56.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.2400	U	0.56
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	SVOC-PAH	FLUORENE	86-73-7	0.3600	U	500.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.4300	J	5.60
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.4800	J	500.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.3800	U	NL
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.4200	U	500.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.2700	U	6.70
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	SVOC-Phenol	PHENOL	108-95-2	0.3800	U	500.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	Metal	Cadmium	7440-43-9	2.4000		9.30
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	Metal	Chromium	7440-47-3	24.0000		1,500.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	Metal	Copper	7440-50-8	20.0000		270.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	Metal	Lead	7439-92-1	23.0000		1,000.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	Metal	Mercury	7439-97-6	1.3000		2.80
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	Metal	Nickel	7440-02-0	15.0000		310.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	Metal	Zinc	7440-66-6	47.0000		10,000.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	88.0000		NL
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.1800	U	5.60
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.2300	U	1.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.1900	U	5.60
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	SVOC-PAH	CHRYSENE	218-01-9	0.1800	U	56.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.1800	U	0.56

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.2100	U	5.60
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.2800	U	NL
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.3100	U	500.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	SVOC-Phenol	PHENOL	108-95-2	0.2800	U	500.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0003	U	130.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	VOC	CHLOROBENZENE	108-90-7	0.0004	U	500.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	VOC	CHLOROMETHANE	74-87-3	0.0008	U	NL
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	VOC	TOLUENE	108-88-3	0.0001	U	500.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
Sliver Quarry Parcel	Remaining	S007	S007015	1.5	4/4/2013	VOC	VINYL CHLORIDE	75-01-4	0.0001	U	13.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	0.2800	U	27.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	Metal	Arsenic	7440-38-2	3.6000		16.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	Metal	Barium	7440-39-3	110.0000		400.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	Metal	Beryllium	7440-41-7	0.3600		590.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	Metal	Cadmium	7440-43-9	16.0000		9.30
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	Metal	Chromium	7440-47-3	35.0000		1,500.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	Metal	Copper	7440-50-8	39.0000		270.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	Metal	Lead	7439-92-1	92.0000		1,000.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	Metal	Mercury	7439-97-6	7.3000		2.80
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	Metal	Nickel	7440-02-0	7.7000		310.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	Metal	Selenium	7782-49-2	0.7300	J	1,500.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	Metal	Silver	7440-22-4	0.0900	U	1,500.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	Metal	Zinc	7440-66-6	82.0000		10,000.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	82.0000		NL
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0520	U	NL
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0500	U	NL
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.1700		5.60
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.1800		1.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.2000		5.60
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.1000	J	56.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	SVOC-PAH	CHRYSENE	218-01-9	0.1800		56.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0380	U	0.56
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	SVOC-PAH	FLUORENE	86-73-7	0.0570	U	500.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.1100	J	5.60
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.1400		500.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0600	U	NL
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0650	U	500.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0420	U	6.70

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	SVOC-Phenol	PHENOL	108-95-2	0.0580	U	500.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	Metal	Cadmium	7440-43-9	23.0000		9.30
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	Metal	Chromium	7440-47-3	36.0000		1,500.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	Metal	Copper	7440-50-8	9.4000		270.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	Metal	Lead	7439-92-1	36.0000		1,000.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	Metal	Mercury	7439-97-6	10.0000		2.80
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	Metal	Zinc	7440-66-6	34.0000		10,000.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	84.0000		NL
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0002	U	130.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0002	U	22.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	VOC	CHLOROBENZENE	108-90-7	0.0004	U	500.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	VOC	CHLOROFORM	67-66-3	0.0004	U	350.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	VOC	CHLOROMETHANE	74-87-3	0.0008	U	NL
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	VOC	TOLUENE	108-88-3	0.0002	J	500.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0002	U	500.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
Sliver Quarry Parcel	Remaining	S008	S008015	1.5	4/4/2013	VOC	VINYL CHLORIDE	75-01-4	0.0001	U	13.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	Inorganic-Cyanide	CYANIDE, TOTAL	57-12-5	1.3000		27.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	Metal	Arsenic	7440-38-2	4.4000		16.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	Metal	Barium	7440-39-3	160.0000		400.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	Metal	Beryllium	7440-41-7	0.6300		590.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	Metal	Cadmium	7440-43-9	54.0000		9.30
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	Metal	Chromium	7440-47-3	91.0000		1,500.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	Metal	Copper	7440-50-8	54.0000		270.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	Metal	Lead	7439-92-1	280.0000		1,000.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	Metal	Mercury	7439-97-6	18.0000		2.80
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	Metal	Nickel	7440-02-0	16.0000		310.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	Metal	Selenium	7782-49-2	1.6000		1,500.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	Metal	Silver	7440-22-4	0.1900	J	1,500.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	Metal	Zinc	7440-66-6	150.0000		10,000.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	78.0000		NL
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.0550	U	NL
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	0.1100	U	NL
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.0540	U	NL
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC	DIMETHYL PHTHALATE	131-11-3	0.1100	U	NL
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.4500		5.60
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC-PAH	BENZO(A)ANTHRACENE	56-55-3	0.4900		5.60
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.4800		1.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC-PAH	BENZO(A)PYRENE	50-32-8	0.5000		1.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.6300		5.60
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.6500		5.60

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.2600		56.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC-PAH	BENZO(K)FLUORANTHENE	207-08-9	0.2700		56.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC-PAH	CHRYSENE	218-01-9	0.5000		56.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC-PAH	CHRYSENE	218-01-9	0.5300		56.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0820	U	0.56
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC-PAH	DIBENZO(A,H)ANTHRACENE	53-70-3	0.0900	J	0.56
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC-PAH	FLUORENE	86-73-7	0.0600	U	500.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC-PAH	FLUORENE	86-73-7	0.1200	U	500.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.2800		5.60
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.3200	J	5.60
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.4800		500.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC-PAH	PHENANTHRENE	85-01-8	0.6000		500.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.0640	U	NL
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC-Phenol	2-CHLOROPHENOL	95-57-8	0.1300	U	NL
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.0690	U	500.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC-Phenol	3-METHYLPHENOL/4-METHYLPHENOL	108-39-4	0.1400	U	500.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.6700		6.70
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.8800		6.70
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC-Phenol	PHENOL	108-95-2	0.0620	U	500.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC-Phenol	PHENOL	108-95-2	0.1200	U	500.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	Metal	Cadmium	7440-43-9	43.0000		9.30
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	Metal	Chromium	7440-47-3	67.0000		1,500.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	Metal	Copper	7440-50-8	26.0000		270.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	Metal	Lead	7439-92-1	79.0000		1,000.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	Metal	Mercury	7439-97-6	12.0000		2.80
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	Metal	Nickel	7440-02-0	17.0000		310.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	Metal	Zinc	7440-66-6	79.0000		10,000.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SOLIDS, TOTAL	SOLIDS, TOTAL	SRP 141	79.0000		NL
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.1400		5.60
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC-PAH	BENZO(B)FLUORANTHENE	205-99-2	0.2000		5.60
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC-PAH	CHRYSENE	218-01-9	0.1400		56.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC-PAH	CHRYSENE	218-01-9	0.2500		56.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.1400		5.60
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC-PAH	INDENO(1,2,3-CD)PYRENE	193-39-5	0.2400		5.60
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0440	U	6.70
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	SVOC-Phenol	PENTACHLOROPHENOL	87-86-5	0.0220	U	6.70
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	VOC	1,2-DICHLOROBENZENE	95-50-1	0.0002	U	500.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	VOC	1,2-DICHLOROETHANE	107-06-2	0.0002	U	30.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	VOC	1,3-DICHLOROBENZENE	541-73-1	0.0002	U	280.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	VOC	1,4-DICHLOROBENZENE	106-46-7	0.0003	U	130.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	VOC	BENZENE	71-43-2	0.0001	U	44.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	VOC	CARBON TETRACHLORIDE	56-23-5	0.0003	U	22.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	VOC	CHLOROBENZENE	108-90-7	0.0004	U	500.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	VOC	CHLOROFORM	67-66-3	0.0005	U	350.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	VOC	CHLOROMETHANE	74-87-3	0.0010	U	NL
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	VOC	CIS-1,2-DICHLOROETHENE	156-59-2	0.0002	U	500.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	VOC	ETHYLBENZENE	100-41-4	0.0002	U	390.00

TABLE 2/3 (Expanded)
Upland Soil Investigation & Delineation Results Summary

Parcel	Status	Location	Sample	TOS	Date	Fraction	Parameter	CAS	Result		COMM
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	VOC	TOLUENE	108-88-3	0.0001	U	500.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	VOC	TRANS-1,2-DICHLOROETHENE	156-60-5	0.0003	U	500.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	VOC	TRICHLOROETHENE	79-01-6	0.0002	U	200.00
Sliver Quarry Parcel	Remaining	S010	S010015	1.5	4/4/2013	VOC	VINYL CHLORIDE	75-01-4	0.0002	U	13.00

Explanations

TOS - Top of sample interval (6-inch)
CAS - Chemical Abstract Service identification number
U - Parameter not detected at or above reporting limit
J - Parameter detected between method detection limit and practical quantitaion limit; concentration is estimated
COMM - Commercial soil cleanup objective (NYSDEC Part 375)
NL - Not listed
mg/kg - Milligrams per kilogram

See Last Page for Explanations
All values in mg/kg

BASF Corporation's (BASF's) work plan for targeted removal of soil from the North Lot and Pre-Treatment Plant (PTP) Parcel of the Glens Falls property considers applicable portions of *6NYCRR Part 375* and New York State Department of Environmental Conservation's (NYSDEC's) *Technical Guidance for Site Investigation and Remediation* (DER-10). This *Community Air Monitoring Plan* (CAMP) is prepared based on Section 1.9 of DER-10, and designed to protect the public, living and working near the work area(s), from exposure to site contaminants during intrusive activities.

Investigations used to define the target removal areas considered site related constituents of concern (COCs) identified through several phases of earlier investigation. Metals were the only COCs detected at levels above NYSDEC *Commercial Soil Cleanup Objectives* (SCOs) in the target areas. This CAMP therefore includes appropriate measures for fugitive dust and particulate monitoring as described in Appendix 1B of DER-10. *(Volatile organic compounds were not identified during sampling/analyses tasks in the targeted areas. Therefore, real-time vapor monitoring is not deemed necessary during invasive activity in these areas.).*

Air monitoring and dust suppression measures will focus on particulates that could be associated with the following metals and correlating Occupational Health and Safety Administration (OSHA) 8-hour time weighted average (TWA) permissible exposure limits (PEL).

Parameter	Particulate Exposure Limit*	
Barium	500	micrograms/m^3
Lead	50	
Mercury	10	
Cadmium	5*	

The most stringent OSHA 8-hour TWA PEL (*) will be used to assess the need for dust suppression based on 15-minute average readings. The following outlines field measurement procedures and related performance parameters.

During excavation and soil load out activities, particulate level will be continuously monitored using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes. The monitor will be equipped with an audible alarm set to indicate an exceedance of the 5 micrograms/m^3 action limit. Field personnel responsible for using the particulate monitor will be properly trained on calibration, operation, performance checks, and record keeping. Additional capabilities of the particulate monitor include:

- Capable of measuring dust, mists or aerosols;
- Measurement Range of 1 to 400,000 micrograms/m^3 ;
- Precision (2-sigma) at constant temperature: +/- 10 :g/m^3 for one second averaging; and +/- 1.5 g/m^3 for sixty second averaging;
- Accuracy: +/- 5% of reading +/- precision (Referred to gravimetric calibration with SAE fine test dust (mmd= 2 to 3 :m, g= 2.5, as aerosolized);
- Resolution: 0.1% of reading or 1g/m^3, whichever is larger;
- Particle Size Range of Maximum Response: 0.1-10;
- Total Number of Data Points in Memory: 10,000;
- Logged Data: Each data point with average concentration, time/date and data point number
- Run Summary: overall average, maximum concentrations, time/date of maximum, total number of logged points, start time/date, total elapsed time (run duration), STEL concentration and time/date occurrence, averaging (logging) period, calibration factor, and tag number;
- Alarm Averaging Time (user selectable): real-time (1-60 seconds) or STEL (15 minutes), alarms required;
- Operating Time: 48 hours (fully charged NiCd battery); continuously with charger;
- Operating Temperature: -10 to 50^o C (14 to 122^o F).

Monitoring will occur in each work zone to evaluate potential worker exposure. Due to the small aerial extent of disturbance and short time frame each location will be exposed, one particulate monitor will be used within the work area. The monitor will be located at a height of approximately five feet above the ground surface (average height of a worker's nose and mouth) immediately downwind of the excavation operation.

Particulate concentrations will also be monitored continuously at the upwind perimeter of the work zones. These reading will be used to establish background particulate concentrations; upwind readings will be subtracted from work zone readings to determine compliance with the proposed work zone particulate action limit of 5 micrograms/m^3.

Work zone particulate levels represent the highest airborne particulate concentrations associated with the remedial activity. Therefore, if particulate levels are within acceptable worker exposure limits, potential receptors located at greater distances from the work zone will not be at risk of exposure.

In the event any 15-minute average work zone particulate reading exceeds the most stringent site-specific exposure/action limit (5 micrograms/m^3 above upwind/background readings), activities will stop and dust suppression procedures will be instituted. Suppression measures will include wetting the surface of the excavation as well as the bucket of excavation equipment. In the event prevailing winds create dust levels above the exposure limit, remedial activities will be halted until winds subside. It is noted that shallow soils beneath the subject property are clay rich and moist. These conditions will aid in the minimization of dust generation.

Particulate dust monitor readings will be recorded by AMO field personnel and/or electronically downloaded at the end of each work day. Measurement results will be documented in our report. The complete electronic file of these readings will be available for review upon request.