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April 4, 2014

Mr. Ian Beilby
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233

Subject: **SMSA Storm Drain Investigation**
AL Tech Specialty Steel (NYSDEC Site 401003)
MACTEC Engineering and Consulting, P.C., Project No. 3612112222

Dear Mr. Beilby:

MACTEC Engineering and Consulting, P.C., (MACTEC), is providing this letter report for the Storm Drain Investigation activities conducted in October 2014 at the Al Tech Specialty Steel site (Site No. 401003) in Colonie, New York Main Plant Area Scrap Metal Storage Area (SMSA) portion of the Site.

MACTEC performed this work under Work Assignment No. D007619-11 and the April 2011 Superfund Standby Contract D007619 between MACTEC and the New York State Department of Environmental Conservation (NYSDEC).

Field activities associated with the SMSA Storm Drain were conducted on October 1, 2013 in accordance with the NYSDEC approved Final Field Activities Plan: Waste Acid Pit Investigation and SMSA Storm Drain Dye Test dated September 19, 2013 with the following objective:

- Investigate the storm drain located southeast of the Extrusion Building in the SMSA to evaluate if storm water and contaminants of concern from the SMSA are migrating through this storm drain to nearby surface water bodies (Kromma Kill or the unnamed stream south of the site).

To evaluate the potential for SMSA contaminants of concern (COCs) to migrate to the Kromma Kill or the unnamed stream via sediment transport through the catch basin/drain lines, MACTEC conducted a reconnaissance of the SMSA storm drain lines, the unnamed stream outfall and the Kromma Kill Outfall 009 and Outfall 010 locations. MACTEC used a drawing from the Eichleay Engineering Report (see Attachment 1, Eichleay, 1990) to visually locate the catch basins, manholes and outfalls. An Outfall was observed at the unnamed stream near the culvert which traverses the railroad tracks, and Outfalls 009 and 010 were observed in the locations as identified in Attachment 1.

To evaluate the water flow direction through the drain line system, a dye tracer test was conducted at catch basin CB2 located within the SMSA and south of the Extrusion Building (Figure 1). Prior to conducting the dye test, catch basin CB2 was observed to have accumulated sediment; therefore, a sample (SD-16) was collected. The sample was submitted under chain of custody control to Spectrum Analytical of Kingstown, RI to be analyzed for volatile organic compounds by United States Environmental Protection Agency (USEPA) method 8260, semivolatile organic compounds by USEPA method 8270, Pesticides by USEPA method 8081, polychlorinated biphenyls (PCBs) by USEPA method 8082, Hexavalent Chromium by USEPA method 7199, metals plus Molybdenum by USEPA methods 6010/7471, and pH by USEPA method 4500.

After sediment sample SD-16 was collected, 10 gallons of dye water followed by 100 gallons of clear water obtained from the Kromma Kill was poured into catch basin CB2. Field personnel mapped the storm drain pipe locations by removing the covers from manholes and catch basins located in the vicinity of the Extrusion Building/Pickle House (Figure 1) to determine the direction of water flow through each pipe section and observe the presence/absence of the yellow dye. Manholes and catch basins as well as the approximate locations of piping were surveyed using a Trimble GeoXT GPS unit. Manholes and catch basins were given a designation starting with "MH" for manhole and "CB" for catch basin. Field observations of the catch basins, manholes, drain lines, and outfalls are documented and shown on Figure 1.

The storm drain piping was observed to convey water from the SMSA catch basin CB2 to the southeast and then north along the east side of the Extrusion Building. The dye water was observed to flow from:

- CB2 toMH-4
- MH-4 to MH-5
- MH-5 to MH-6
- MH-6 to MH-7

MH-7 is the last location that the yellow dye was observed; dye was not observed further downstream from MH-7 in catch basin CB3, however, an increased volume of water was visually observed in CB3. The source of this increased volume observed within CB3 is unknown. From CB3, water flowed toward MH-8 and the Wastewater Treatment Plant, located north of the Extrusion Building. This portion of the drain line system that was visually inspected is consistent with the description of the storm drain reconfiguration provided in the 2001 Malcolm Pirnie report (Malcolm Pirnie, 2001).

MACTEC also visually observed the Outfall locations in the Kromma Kill (009 and 010) and the unnamed stream south of the SMSA. Dye water was not observed at any of these outfalls; however water was observed to be flowing out of Outfall 009 (but not from Outfall 010) to the Kromma Kill and water was observed to trickle from the outfall leading to the unnamed stream. The source of water flowing from Outfalls is unknown.

Accumulated sediment was observed at MH-7 (the last location where dye water was observed). A sample (SD-17) was collected and submitted to Spectrum Analytical under chain of custody control to be analyzed for the same analysis as the sample collected from CB2. Since the dye water was not observed in the Kromma Kill or unnamed stream, a field decision was made between MACTEC and the NYSDEC PM to forgo collection of sediment samples from the associated outfalls to these water bodies.

Sediment sample analytical data are provided in Table 1. A Chemist Review Report and is included as Attachment 2. Contaminants of concern including PCBs, chromium and nickel were detected in the sediment sample collected from CB2 (south of the Extrusion Building) and MH7

(east of the Extrusion Building) at levels exceeding the Sediment Screening Criteria (NYSDEC, 1999).

Because the results of the dye test were inconclusive in determining whether storm water from the SMSA catch basin CB2 is migrating through the storm drain system and into nearby Kromma Kill (outfalls 009 and 010) and the unnamed stream outfall, additional dye testing and/or investigation may be warranted to evaluate why dye water was not observed downstream of MH-7, the source of increased flow observed at CB3, and the source of water flowing from Outfall 009 and the outfall leading to the unnamed stream.

Please feel free to contact us if you have any questions on the information provided herein.

Sincerely,

MACTEC Engineering and Consulting, P.C.

Jayme P. Connolly
Project Manager

Brianna Stiles
John Peterson w/permission by J.W.P.
Principal Professional

Enclosures (2)

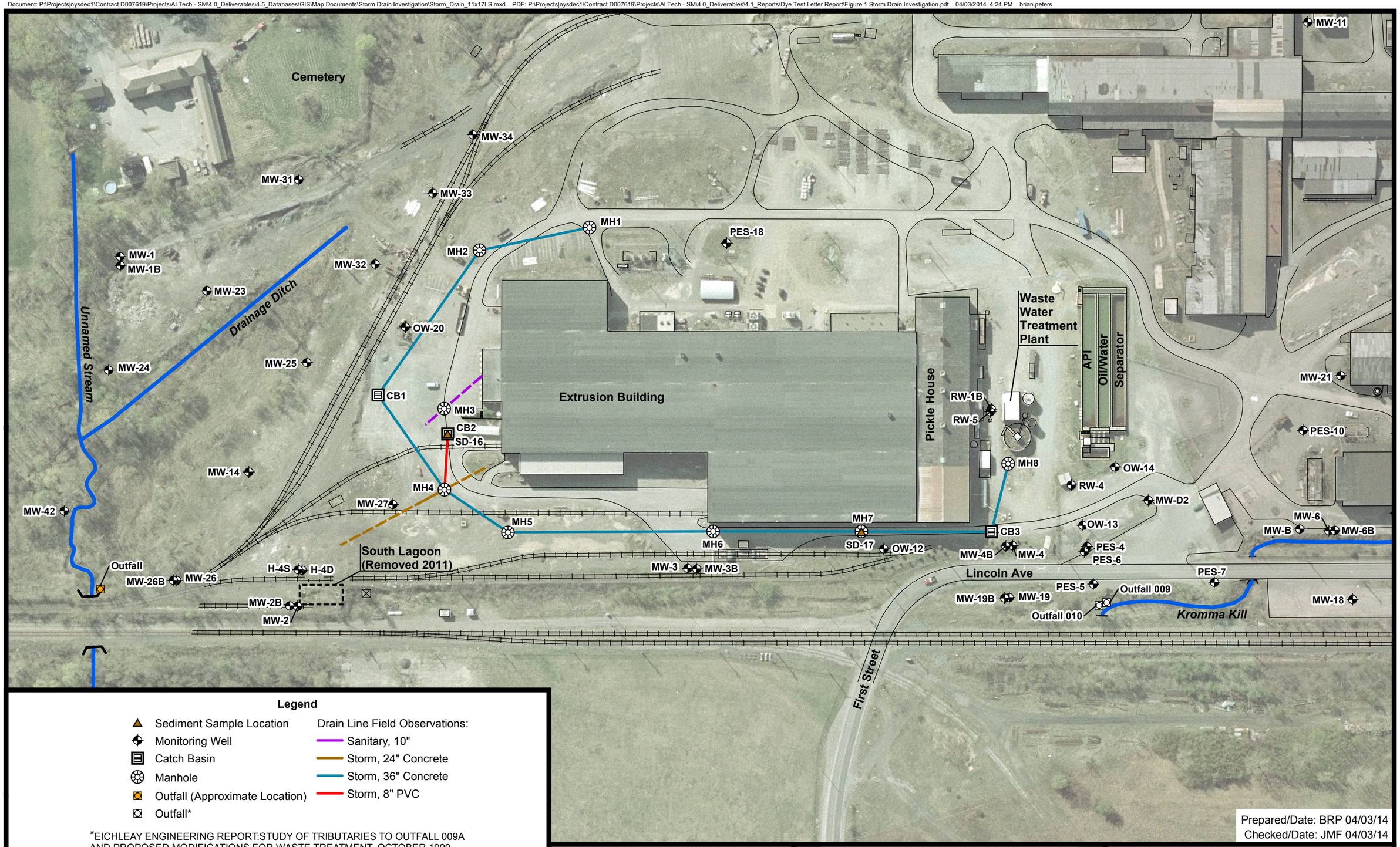
Attachment 1: Outfall Locations
Attachment 2: Chemist Review Report

REFERENCES

Malcolm Pirnie Inc, 2001. LNAPL Cut-off/Collection Trench Certification Report, Watervliet, New York, Construction Certification Report. April 2001.

NYCDEC, 1999. Technical Guidance for Screening Contaminated Sediments. January 25, 1999.

Eichleay Engineering, 1990. Study of Tributaries to Outfall 009A and Proposed Modifications for Waste Treatment. October 1990.



Legend

- Sediment Sample Location
- Monitoring Well
- Catch Basin
- Manhole
- Outfall (Approximate Location)
- Outfall*

Drain Line Field Observations:

- Sanitary, 10"
- Storm, 24" Concrete
- Storm, 36" Concrete
- Storm, 8" PVC

*EICHLEAY ENGINEERING REPORT:STUDY OF TRIBUTARIES TO OUTFALL 009A AND PROPOSED MODIFICATIONS FOR WASTE TREATMENT. OCTOBER 1990.

N 0 65 130 Feet

Albany County orthoimagery (2004) obtained New York State GIS Clearinghouse at: http://www.nysgis.state.ny.us

Prepared/Date: BRP 04/03/14
Checked/Date: JMF 04/03/14

Al Tech Specialty Steel
Colonie, New York

MACTEC

Storm Drain Investigation

Project 3612112222 Figure 1

Table 1: Storm Drain Sediment Sample Results
October 2013

				Media	SED	SED
				Location ID	SD-16	SD-17
				Location	CB2 Southeast of Extrusion Building	MH7 East of Extrusion Building
				Sample Date	10/1/2013	10/3/2013
				Sample ID	401003-SD016001	401003-SD017001
				Qc Code	FS	FS
Analysis	**Parameter**	**Organic Sediment Criteria ug/gOC**	**Metals Sediment Criteria mg/kg (ppm)**	**Units**	Result Qualifier	Result Qualifier
SW8260	Volatile Organic Compounds	--	--	mg/kg	ND	ND
SW8270	Bis(2-Ethylhexyl)phthalate	199.5*	--	mg/kg	0.076 J	0.35 U
SW8081	Pesticides	--	--	mg/kg	ND	ND
SW8082	Aroclor-1260	0.0008**	--	mg/kg	**0.2**	**2.8**
SW6010	Aluminum	--	--	mg/kg	3510	2100
SW6010	Antimony	--	2	mg/kg	**79.8**	**877**
SW6010	Barium	--	--	mg/kg	47.6	43.5
SW6010	Beryllium	--	--	mg/kg	0.058 J	0.011 U
SW6010	Cadmium	--	0.6	mg/kg	**1.4**	0.011 U
SW6010	Calcium	--	--	mg/kg	16200	4.4 U
SW6010	Chromium	--	26	mg/kg	**33700**	**110000**
SW6010	Cobalt	--	--	mg/kg	523	2520
SW6010	Copper	--	16	mg/kg	**1100**	**4230**
SW6010	Iron	--	20000	mg/kg	**178000**	**442000**
SW6010	Lead	--	31	mg/kg	9.9	16.7
SW6010	Magnesium	--	--	mg/kg	4400	220
SW6010	Manganese	--	460	mg/kg	**4030**	**10600**
SW6010	Molybdenum	--	--	mg/kg	1230	7730
SW6010	Nickel	--	16	mg/kg	**22100**	**175000**
SW6010	Potassium	--	--	mg/kg	485	95.4
SW6010	Sodium	--	--	mg/kg	178	60.1
SW6010	Thallium	--	--	mg/kg	0.16 U	5.1
SW6010	Vanadium	--	--	mg/kg	199	872
SW6010	Zinc	--	120	mg/kg	17.8	0.13 U
SW7471	Mercury	--	0.15	mg/kg	0.068	0.018 J
SW7199	Chromium, Hexavalent	--	--	mg/kg	9.37	23.8
ASTMD2216	Percent Moisture	--	--	Percent	6.9 J	7.5 J
LLOYDKAHN	Total Organic Carbon	--	--	mg/kg	1900	2000
SW9045	pH	--	--	pH Units	8	8.2

Notes:
mg/kg = Milligram per Killogram
ppm = parts per million
U = Not detected at a concentration greater than the reporting limit
J = Result is estimated
ug/gOC- micrograms per gram of organic carbon
FS- Field Sample
Bold/shaded values exceed the guidance value: (a) Value represents NYSDEC (1999) Sediment Screening Criteria based on the lower of values for human health bioaccumulation, benthic aquatic life chronic toxicity, and wildlife. See Tables 7.4 and 7.7 for Ecological Screening Benchmarks and Available Comparison.

Sediments results for metals are compared to the Lowest Effect Level (LEL).

* = Bis(2-Ethylhexyl)phthalate is compared to Benthic Aquatic Life for Chronic Toxicity Sediment Criteria.

** = Aroclor-1260 is compared to Human Health Bioaccumulation Sediment Criteria

-- = sediment criteria not available

Values for organic contaminants require an organic carbon adjustment = (Seds Criteria ug/gOC)(TOC)/1000

* and ** = Require sediment value adjustment using TOC value at each location (see table below)

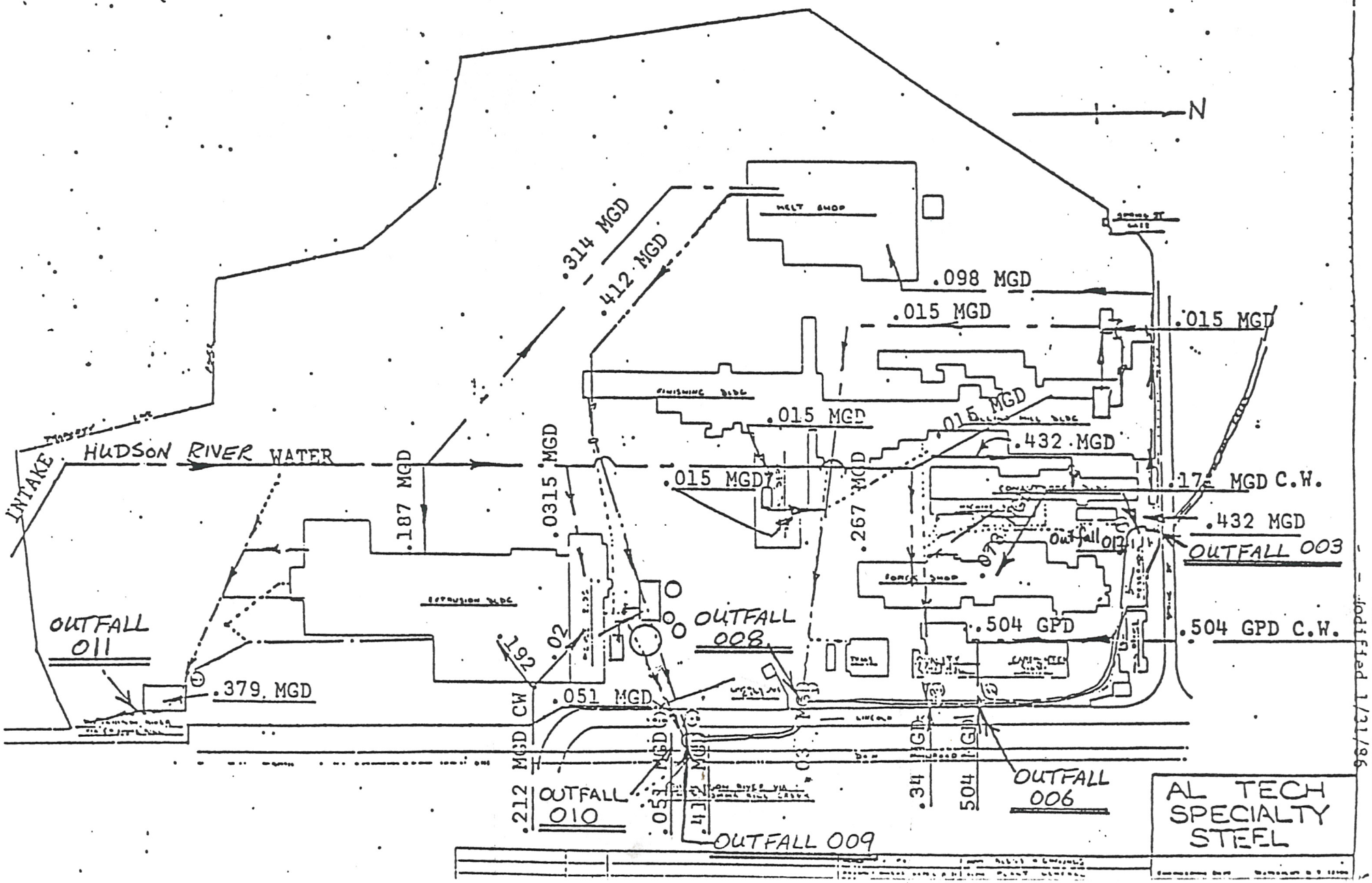
TOC adjusted sediment values by location (ppm)		
	SD-16	SD-17
Bis(2-Ethylhexyl)phthalate	379.05	399
Aroclor-1260	0.00152	0.0016

Prepared by: BJW 2/26/2014
Reviewed by: JMF 2/26/2014

ATTACHMENT 1

OUTFALL LOCATIONS FIGURE

EICHLEAY ENGINEERING REPORT:
STUDY OF TRIBUTARIES TO OUTFALL 009A AND PROPOSED MODIFICATIONS FOR WASTE TREATMENT, OCTOBER 1990.



Modified 1/21/96

Part I, Page 6 of 10

ATTACHMENT 2

CHEMIST REVIEW REPORT

DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING
AND SMSA STORM DRAIN INVESTIGATION EVENT
AL TECH SITE
COLONIE, NEW YORK

Sample Delivery Group M1908

1.0 INTRODUCTION

Soil and sediment samples, and a product/water sample, were collected at the Al Tech site in October 2013 and submitted to Spectrum Analytical, Inc., in Warwick, Rhode Island for analysis. Samples were analyzed for most parameters by Spectrum Analytical, Inc. Samples were analyzed for oxidation-reduction potential, pH (Method 9045D), total solids, and hexavalent chromium (Method 7199) by ALS Environmental (formerly Columbia Analytical Services), in Rochester, New York. A listing of samples included in this investigation is presented in the attached Table 1. Samples were analyzed for one or more of the following parameters:

- TAL Metals and Molybdenum by EPA Methods 6010C/7470A/7471A
- Volatile Organic Compounds (VOCs) by EPA Method 8260C
- Semivolatile Organic Compounds (SVOCs) by EPA Method 8270C
- Polychlorinated Biphenyls (PCBs) by EPA Method 8082A
- Organochlorine Pesticides by EPA Method 8081B
- Total Petroleum Hydrocarbons (TPH) by EPA Method 8015D
- Hexavalent Chromium in water by Standard Method 3500D
- Hexavalent Chromium in soil/sediment by EPA Method 7199
- Total Organic Carbon (TOC) by Lloyd Kahn Method
- pH by EPA Method 9045
- Total Solids by Modified Method 160.3

Deliverables for the off-site laboratory analyses included a Category B deliverable as defined in the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocols (NYSDEC, 2005).

A Data Usability Summary Report (DUSR) review was completed based on NYSDEC Division of Environmental Remediation guidance (NYSDEC, 2010) for the analyses listed above with the exception of pH, ORP, total solids, TOC and hexavalent chromium in water. A chemist review was performed on the data from these analyses. Quality Control (QC) limits found in USEPA Region 2 validation guidelines (USEPA; 2006a; USEPA; 2006b; USEPA, 2008a; USEPA, 2008b; USEPA; 2008c) were used to develop project-specific limits used during the data evaluation. Project QC limits are presented in Attachment A. The DUSR review included the following evaluations:

- Lab Report Narrative Review
- Data Package Completeness and COC records (Table 1 verification)
- Sample Preservation and Holding Times
- Initial and Continuing Calibration (including tunes for GC/MS)
- QC Blanks

- Laboratory Control Samples (LCS)
- Matrix Spike/Matrix Spike Duplicates (MS/MSD)
- Surrogate Spikes (if applicable)
- Internal Standard Response and Retention Times
- Field Duplicates
- Raw Data (chromatograms), Calculation Checks and Transcription Verifications
- Reporting Limits
- Electronic Data Qualification and Verification

With the exception of the items discussed below, results are interpreted to be usable as reported by the laboratory. The following laboratory or data validation qualifiers are used in the final data presentation.

U = target analyte is not detected above the reported detection limit
UJ = target analyte is not detected at the reported detection limit and is estimated
J = concentration is estimated
R = result is rejected
NJ = concentration is estimated and the presence of the analyte has been tentatively identified

A summary of the final field sample data is presented in Table 2. A summary of validation actions is presented in Table 3. Results are interpreted to be usable as reported by the laboratory unless discussed in the following sections.

2.0 DUSR DATA QUALIFICATION ACTIONS AND OBSERVATIONS

Water samples and soil/sediment samples are discussed in the following sections.

2.1 AQUEOUS SAMPLE

2.11 VOA

Instrument Calibration

In the initial calibration analyzed on September 28, 2013 (Inst V10) the percent relative standard deviation (%RSD) was greater than 20 for bromomethane (23) and 1,1,2,2-tetrachloroethane (22), and the average relative response factors (RRFs) were less than 0.05 for 2-butanone (0.036) and 1,4-dioxane (0.003). Results for bromomethane (23) and 1,1,2,2-tetrachloroethane were qualified as estimated (UJ) in sample 401003-CL001010. 2-Butanone and 1,4-dioxane were not detected in sample 401003-CL001010 and final results were qualified rejected (R).

The following compounds had percent differences (%Ds) that were > 20 in the continuing calibration standard analyzed on October 11, 2013 at 11:09: dichlorodifluoromethane (-22), trichloroflouromethane (-31), trans-1,2-dichloroethene (21), 1,2-dichloropropane (22), cis-1,3-dichloropropene (24), o-xylene (22), 1,2,4-trichlorobenzene (22), 1,1,2-trichloro-1,2,2-trifluoroethane (-20.4), and 1,4-dioxane (28). Results for these compounds were qualified estimated (UJ) in sample 401003-CL001010. The following compounds had RRFs that were < 0.05: 2-butanone (0.042),

acetone (0.049), and 1,4-dioxane (0.003). These compounds were not detected in sample 401003-CL001010 and results were rejected (R) in the final data set.

2.1.2 SVOCs

Calibration

A subset of results was qualified due to initial calibration and continuing calibration exceeding Region 2 validation guideline limits. Results are discussed in the following section and summarized on Table 3 with reason codes of ICVRRF, ICVRSD, CCVRRF, and CCV%D.

In the initial calibration analyzed on September 6, 2013 (Instrument S3) the %RSDs were > 15 for 4,6-dinitro-2-methylphenol (18), 2,4-dinitrophenol (32), and benzaldehyde (27). These compounds were not detected in sample 401003CL001010 and the reporting limits were qualified estimated in all samples (UJ).

The following compounds had percent differences (%Ds) that were > 20 in the continuing calibration standard analyzed on October 18, 2013 at 11:40: bis(2-chloroisopropyl)ether (34), nitrobenzene (48), 2-nitroaniline (23), and 2,4-dinitrophenol (-20). These compounds were not detected in sample 401003CL001010 and results were qualified estimated (UJ).

Surrogates

The percent recovery for surrogate phenol-d5 (15) and 2-fluorophenol (26) were below the lower control limit of 30 in sample 401003CL001010. There were no detections of acid compounds in sample 401003CL001010 and the reporting limits were qualified estimated (UJ).

LCS/LCSD

The percent recovery of benzaldehyde (14 and 15) was below the lower QC limit of 50 in the LCS and LCSD associated with sample 401003-CL001010. Benzaldehyde was not detected in sample 401003-CL001010 and the reporting limit was qualified estimated (UJ) in the final data set. Results were assigned a reason code of LCS-L on Table 3.

2.1.3 PESTICIDES

Calibration

The continuing calibration analyzed at the end of the analytical sequence (closing CCV) on October 19, 2013 at 01:26 had %Ds that were > 20 on one or both of the columns for the following compounds: alpha-BHC (28), beta-BHC (35), delta-BHC (58), gamma-BHC (28), 4,4-DDE (226), endrin (21), 4,4-DDD (102), 4,4-DDT (20.7), endrin ketone (36), endrin aldehyde (43), and endosulfan sulfate (26). Results for these compounds were qualified estimated (J/UJ) in associated samples and assigned a reason code of CCV%D in table 3.

Target Analyte Quantitation

The percent difference between the concentrations reported on two dissimilar GC columns was above the control limit of 25 for endosulfan II (68), and methoxychlor (38) in sample 25 401003-CL001010. Results for endosulfan II and methoxychlor were qualified estimated (J) in sample 401003-CL001010. Results were assigned a reason code of DC-PD on Table 3.

2.1.4 PCBs

LCS/LCSD

The RPD between the percent recoveries of aroclor-1260 was 38 and was above the laboratory control limit of 30 in the LCS and LCSD (batch74237). Aroclor-1260 was not detected in the associated sample (401003-CL001010) and the reporting limit was qualified estimated (UJ). This result was assigned a reason code of LCS-RPD on table 3.

2.1.5 METALS

Blanks

Barium was detected at 2.7 µg/L in the calibration blank associated with sample 401003-CL001010. Action level was calculated at five times the blank concentration and compared to the sample result. Barium was detected below the action level at 9.6 µg/L and qualified as not detected (U).

2.1.6 Hexavalent Chromium

Reporting

For aqueous sample 401003-CL001010 the method requested on the chain of custody for hexavalent chromium was Method 7199, but the laboratory documentation indicates Standard Method 3500D was used. Method 3500D was used due to the 24 hour short hold time, which did not allow Spectrum Analytical Inc. enough time to ship the sample to ALS to analyze by 7199. Sample results are reported from the Method 3500D analysis.

2.2 SOIL AND SEDIMENT

2.2.1 VOCs

Blanks

Methylene chloride was reported in the trip blanks 401003-TB101 (6.1 µg/kg) and 401003-TB102 (4.7J µg/kg) submitted with soil samples. Action levels were calculated at ten times the blank concentrations and then compared to sample results. Detections of methylene chloride that were below the action levels were qualified non-detected (U). Results are summarized on Table 3 with a reason code of BL2.

Calibration

A subset of results were qualified due to initial calibration and continuing calibrations exceeding Region 2 validation guideline control limits. Results are discussed in the following section and summarized on Table 3 with reason codes ICVRRF, ICVRSD, CCVRRF, and CCV%D. Results for the following compounds were qualified in one or more samples:

- 1,1,1-trichloroethane
- 1,1,1-trichloroethane,1,2,2-tetrachloroethane
- 1,1,2-trichloro-1,2,2-trifluoroethane
- 1,2,4-trichlorobenzene
- 1,1-dichloroethene
- 1,2-dichloropropane
- 1,4-dioxane
- 2-butanone
- 2-hexanone
- acetone
- bromodichloromethane
- bromomethane
- carbon tetrachloride
- cis-1,3-dichloropropene
- cyclohexane
- dichlorodifluoromethane
- methylcyclohexane
- methylene chloride
- trans-1,3-dichloropropene
- trichlorofluoromethane
- o-xylene

In the initial calibration analyzed on October 7, 2013 (Inst V1) the %RSD was greater than 20 for methylene chloride (25), 2-hexanone (27), and 1,4-dioxane (31), and the average RRFs were less than 0.05 for 2-butanone (0.041) and 1,4-dioxane (0.003). Results for methylene chloride and 2-hexanone were qualified as estimated (J/UJ) in associated soil samples. Non-detected results for 2-butanone and 1,4-dioxane were qualified rejected (R) in associated samples and detections for these compounds were qualified estimated (J).

In the initial calibration analyzed on September 28, 2013 (Inst V10) the %RSD was greater than 20 for bromomethane (23) and 1,1,2,2-tetrachloroethane (22), and the average RRFs were less than 0.05 for 2-butanone (0.036) and 1,4-dioxane (0.003). Results for bromomethane (23) and 1,1,2,2-tetrachloroethane were qualified as estimated (UJ) in associated soil samples. 2-Butanone and 1,4-dioxane were not detected in associated samples and final results were qualified rejected (R).

The following compounds had %Ds that were > 20 in the continuing calibration standard analyzed on October 7, 2013 at 20:47: trichlorofluoromethane (-22), acetone (-22), cyclohexane (-21), and methylcyclohexane (-22). Results were not detected in associated soil samples and the reporting limit was qualified estimated (UJ). The

following compounds had RRFs that were < 0.05: acetone (0.041), 2-butanone (0.039), 1,4-dioxane (0.003). These compounds were not detected and results were rejected (R) in the final data set.

The following compounds had %Ds that were > 20 in the continuing calibration standard analyzed on October 8, 2013 at 09:26: methylene chloride (22), 1,1,2-trichloro-1,2,2-trifluoroethane (33), and 1,4-dioxane (-25). Results were qualified estimated (J/UJ) in associated soil samples. The following compounds had RRFs that were < 0.05: 2-butanone (0.040), 1,4-dioxane (0.002). These compounds were not detected and results were rejected (R) in the final data set.

The following compounds had %Ds that were > 20 in the continuing calibration standard analyzed on October 9, 2013 at 09:15: 1,1-dichloroethene (20.2), methylene chloride (30), 1,1,2-trichloro-1,2,2-trifluoroethane (36), and 1,4-dioxane (-33). Results were qualified estimated (J/UJ) in associated soil samples. The following compounds had RRFs that were < 0.05: 2-butanone (0.043), 1,4-dioxane (0.002). These compounds were not detected and results were rejected (R) in the final data set.

The following compounds had %Ds that were > 20 in the continuing calibration standard analyzed on October 10, 2013 at 09:04: dichlorodifluoromethane (-28), methylene chloride (26), 1,1,2-trichloro-1,2,2-trifluoroethane (36), and cyclohexane (30). Results were qualified estimated (UJ) in associated soil samples. The following compounds had RRFs that were < 0.05: 2-butanone (0.043), 1,4-dioxane (0.003). These compounds were not detected and results were rejected (R) in the final data set.

The following compounds had %Ds that were > 20 in the continuing calibration standard analyzed on October 10, 2013 at 08:17: dichlorodifluoromethane (-20), 1,1,1-trichloroethane (27), carbon tetrachloride (32), bromodichloromethane (27), cis-1,3-dichloropropene (21), and trans-1,3-dichloropropene (21). Results for these compounds were qualified estimated (UJ) in associated soil samples. The following compounds had RRFs that were < 0.05: 2-butanone (0.042), 1,4-dioxane (0.003). These compounds were not detected and results were rejected (R) in the final data set.

The following compounds had %Ds that were > 20 in the continuing calibration standard analyzed on October 11, 2013 at 11:09: dichlorodifluoromethane (-22), trichloroflouromethane (-31), trans-1,2-dichloroethene (21), 1,2-dichloropropane (22), cis-1,3-dichloropropene (24), o-xylene (22), 1,2,4-trichlorobenzene (22), 1,1,2-trichloro-1,2,2-trifluoroethane (-20.4), and 1,4-dioxane (28). Results for these compounds were qualified estimated (J/UJ) in associated soil samples. The following compounds had RRFs that were < 0.05: 2-butanone (0.042), 1,4-dioxane (0.003). These compounds were not detected and results were rejected (R) in the final data set.

Internal Standards

The area of internal standard 1,4-dichlorobenzene-d4 was below the lower control limit of 50 percent in sample 401003DP014016. The results for compounds quantified with this internal standard were qualified as estimated (J/UJ) in sample 401003DP014016. Results are listed on Table 3 with code IS-L.

LCS/LCSD

The percent recovery of dichlorodifluoromethane (67) was below the lower QC limit of 70 in the LCS analyzed on October 10, 2013 at 9:33. Dichlorodifluoromethane was not detected in associated samples and the reporting limit was qualified estimated (UJ) in the final data set.

The percent recoveries of dichlorodifluoromethane (68), trichlorofluoromethane (61), and 1,1,2-trichloro-1,2,2-trifluoroethane (69) were below the lower QC limit of 70 in the LCS analyzed on October 11, 2013 at 12:19. These compounds were not detected in associated samples and the reporting limits were qualified estimated (UJ) in the final data set.

The percent recovery of dichlorodifluoromethane (65) was below the lower QC limit of 70 in the LCS analyzed on October 10, 2013 at 10:11. Dichlorodifluoromethane was not detected in associated samples and the reporting limit was qualified estimated (UJ) in the final data set.

Results qualified were assigned a reason code of LCS-L in Table 3.

Surrogates

The percent recoveries for surrogates toluene-d8 (132) and bromofluorobenzene (172) were above the upper control limit 130 in sample 401003DP014016. Positive detected results were qualified estimated (J) in the sample.

Matrix Spikes

A matrix spike and matrix spike duplicate was performed on soil sample 401003-DP010016. The following compounds had percent recoveries that were outside of 70-130 percent control limits: dichlorodifluoromethane (14, 49), chloromethane (17), vinyl chloride (16), bromomethane (41), chloroethane (48), trichlorofluoromethane (53), 1,1-dichloroethene (57), acetone (53), carbon disulfide (66), 1,1,2-trichloro-1,2,2-trifluoroethane (61), and 1,4-dioxane (26, 57). The RPD between percent recoveries in the MS and MSD were above the control limit of 35 for the following compounds: dichlorodifluoromethane (112), chloromethane (126), vinyl chloride (133), bromomethane (72), chloroethane (53), acetone (37), 1,1,2-trichloro-1,2,2-trifluoroethane (42), and 1,4-dioxane (74). Results for these compounds were qualified estimated (J/UJ) in sample 401003-DP010016. Results were assigned reason codes MS-L and/or MS-RPD in Table 3.

2.2.2 SVOCs

Blanks

Butylbenzylphthalate was reported in the method blank (MB74198) at 99 µg/kg. Action levels were calculated at ten times the blank concentration and then compared to sample results. Detections of butylbenzylphthalate that were below the action level were qualified non-detected (U). Results are summarized on Table 3 with a reason code of BL2.

Calibration

In the initial calibration analyzed on September 6, 2013 (Instrument S3) the %RSDs were >15 for 4,6-dinitro-2-methylphenol (18), 2,4-dinitrophenol (32), and benzaldehyde (27). These compounds were not detected in associated samples and the reporting limits were qualified estimated in all samples (UJ).

The following compounds had %Ds that were > 20 in the continuing calibration standard analyzed on October 24, 2013 at 16:03: bis(2-chloroisopropyl)ether (30), nitrobenzene (45), 2-nitroaniline (23), and benzo(k)fluoranthene (23). The results for these compounds were qualified estimated (J/UJ) in associated samples.

The following compounds had %Ds that were > 20 in the continuing calibration standard analyzed on October 24, 2013 at 10:21: bis(2-chloroisopropyl)ether (34), nitrobenzene (47), 2-nitroaniline (24), 2,4-dinitrophenol (-41), and 4,6-dinitro-2-methylphenol (-27). The results for these compounds were qualified estimated (J/UJ) in associated samples.

The following compounds had %Ds that were > 20 in the continuing calibration standard analyzed on October 25, 2013 at 13:21: bis(2-chloroisopropyl)ether (20) and 2,4-dinitrophenol (24). The results for these compounds were qualified estimated (J/UJ) in associated samples.

LCS/LCSD

The percent recoveries of the following compounds were below the lower QC limits of 30 (acid fraction) and 50 (base fraction) in the LCS extracted with batch 74198: 2,4-dimethyphenol (17), 4-chloroaniline (19), pentachlorophenol (18), and 3,3-dichlorobenzidine (44). Results were estimated (J/UJ) for these compounds in associated samples. Results were assigned a reason code of LCS-L in Table 3.

The percent recovery of the following compounds were below the lower QC limits of 30 (acid fraction) and 50 (base fraction) in the LCS/LCSD extracted with batch 74199: 2,4-dimethyphenol (26,27), 4-chloroaniline (18,15), 3-nitroaniline (47), pentachlorophenol (21), benzaldehyde (22,23), and 3,3-dichlorobenzidine (40,36). The following compounds had an RPD above the control limit of 40: 2,4-dinitrophenol (46) and pentachlorophenol (75). Results were estimated (J/UJ) for these compounds in associated samples. Results were assigned a reason code of LCS-L and/or LCS-RPD in Table 3.

Internal Standards

The area of internal standard acenaphthene-d10 was below the lower control limit of 50 percent in the undiluted analysis of samples 401003DP019016, 401003DP020016, 401003DP012016, and 401003DP016016. The results for compounds quantified with this internal standard were qualified as estimated (UJ) in sample 401003DP012016 . Dilution analyses were performed on samples 401003DP019016, 401003DP020016, and 401003DP016016 and the final results were reported from the dilution analyses.

The area of internal standard phenanthrene-d10 was below the lower control limit of 50 percent in the undiluted analysis of samples 401003DP012016, 401003DP013016, 401003DP016016, 401003DP019016, and 401003DP020016 . The results for compounds quantified with this internal standard were qualified as estimated (UJ) in

sample 401003DP013016. Dilution analyses were performed on samples 401003DP020016, 401003DP019016, and 401003DP016016 and the final results were reported from the dilution analyses. Results in sample 401003DP012016 were rejected (see discussion below).

Results qualified due to low internal standards are presented in Table 3 with a validation qualifier of IS-L.

Matrix Spikes

A MS/MSD was performed on soil sample 401003-DP010016. The following compounds had percent recoveries that were below the lower QC limit of 30 (acid fraction) or 50 (base fraction): 2,4-dimethylphenol (18,19), 4-chloroaniline (21,24), hexachlorocyclopentadiene (39,46), 3-nitroaniline (49), 2,4-dinitrophenol (24), pentachlorophenol (5), 3,3,-dichlorobenzidine (35,40), and benzaldehyde (45,47). The RPD between percent recoveries in the MS and MSD were above the control limit of 35 for the following compounds: 2,4-dinitrophenol (86), and pentachlorophenol (155). Results for these compounds were qualified estimated (UJ) in sample 401003-DP010016. Results were assigned reason codes MS-L and/or MS-RPD in Table 3.

Sample Results Reporting

The chromatograms and quantitations reports were reviewed for SVOC results for soil samples reported in SDG M1908. The following table presents a sub set of soil samples that exhibited chromatographic interference from fuel related compounds.

field_sample_id	lab_sample_id
401003-DP012016	M1908-08
401003-DP013016	M1908-10
401003-DP014016	M1908-12
401003-DP015016	M1908-15
401003-DP016016	M1908-17

field_sample_id	lab_sample_id
401003-DP017016	M1908-19
401003-DP018016	M1908-21
401003-DP019016	M1908-23
401003-DP020016	M1908-25

Prior to analyzing the SVOC sample extracts, Spectrum Analytical laboratory (Rhode Island location) performed a gel-permeation chromatography (GPC) clean-up to remove interferences from large molecular weight compounds. This clean-up was insufficient to remove the interference from the potential fuels present in the samples in the initial runs. Because the interference remained in the extracts after the GPC clean-up, a decision was made to subject these extracts to a silica gel clean-up per Method 3630 in an effort to detect PAH compounds potentially masked by the fuel contamination. Method 3630 was performed at the Spectrum Analytical laboratory located in Florida. The associated LCS/LCSD and method blank extracts were also cleaned-up and analyzed with sample extracts. The results of the analysis of the extracts after the silica gel clean-up were reported in SDG M2390. After reviewing the analytical results of the three LCS spikes, it was determined that the silica gel clean-up procedure was unsuccessful. The silica gel clean-up procedure removed the majority of the PAH compounds of interest from the LCS spikes with the majority of the PAH recoveries in two of the LCS spikes recovering at less than ten percent. Because the poor PAHs recoveries, the associated sample results were determined to be unusable and were rejected. Data results from SDG M2390 are not presented in the final data tables.

The original runs were the only data available for the samples in the above table. Samples were evaluated to determine if the fuel related interference could have potentially masked target compounds resulting in a false negative result. Some samples were re-analyzed at a dilution by the laboratory due to elevated concentrations of target compounds. Analyzing these samples at a dilution seemed to diminish the interference which allowed target compounds and associated internal standards to chromatographically separate from the fuel related interference. Professional judgment was used by the AMEC chemist to report the diluted results (with elevated reporting limits for non-detects) as well as qualify results from undiluted runs as estimated (J/UJ). The SVOC results for sample 401003DP012016 were qualified rejected (R) due to significant fuel related interference (no dilution analysis was performed by the lab). Final results qualified due to this interference are presented in Table 3 with a reason code of (CI).

The following samples were diluted due to elevated target compounds above the instrument calibration. The reporting limits for non-detected compounds were elevated by the dilution factor.

field_sample_id	lab_sample_id	dilution_factor
401003-DP016016	M1908-17	10
401003-DP019016	M1908-23	5
401003-DP020016	M1908-25	5

2.2.3 PESTICIDES

Calibration

The continuing calibration analyzed at the end of the analytical sequence (closing CCV) on October 19, 2013 at 01:26 had %Ds that were > 20 on one or both of the columns for the following compounds: alpha-BHC (28), beta-BHC (35), delta-BHC (58), gamma-BHC (28), 4,4-DDE (226), endrin (21), 4,4-DDD (102), 4,4-DDT (20.7), endrin ketone (36), endrin aldehyde (43), and endosulfan sulfate (26). Results for these compounds were qualified estimated (J/UJ) in associated samples and assigned a reason code of CCV%D in table 3.

The laboratory noted in the narrative that the closing CCV did not pass the criteria due to sample matrix and that all of the associated sample were re-analyzed with similar results. The laboratory reported the only reported the initial analysis.

Target Analyte Quantitation

The summary forms for pesticide identification (Form X) were reviewed and samples were qualified based on procedures described in the Region II SOP for validating pesticide (SOP # HW-44). Percent differences between the concentrations reported for pesticide detections were calculated by the laboratory and presented on Form X. Results with %Ds between 26-70% were qualified estimated (J). Results with %Ds between 71-100% were qualified (NJ) and the concentration is estimated and the presence of the pesticide has been tentatively identified. Results with %Ds > 100% (no interference observed) were rejected (R) and if interference was observed, the result was qualified NJ.

The percent difference between the concentrations reported on two dissimilar GC columns was above the control limit of 25 in the following samples:

- Sample 401003-SD016001 for the following compounds: heptachlor epoxide (86), dieldrin (88), 4,4-DDD (86), endosulfan sulfate (79), and endrin aldehyde (48),
- Sample 401003-DP011008 for 4,4-DDD (140),
- Sample 401003-DP014004 for 4,4-DDD (130), and endosulfan sulfate (45),
- Sample 401003-DP018004 for dieldrin (27), and 4,4-DDT (40),
- Sample 401003-DP018016 for endosulfan sulfate (106),
- Sample 401003-SD017001 for dieldrin (35), 4,4-DDD (39), 4,4-DDT (33), and endrin ketone (113). Pesticide chromatograms were reviewed for sample 401003-SD017001 and compared to the chromatograms generated from the PCB analysis. Peaks identified as pesticides match the same peaks identified as Aroclor-1260 (see discussion below). Professional judgment was used to qualify results for dieldrin, 4,4-DDD, 4,4-DDT and endrin ketone as not detected (U) at the concentration reported. These reporting limits are elevated due to the 20X dilution performed on the sample,
- Sample 401003-DP016016 had numerous compounds reported with %Ds that were > 100% and some compounds with %Ds that were < 25%. The chromatograms were reviewed during validation for this sample and the peaks identified as pesticides by the laboratory were determined to be potentially false positive detections produced by an elevated concentration of fuel oil in the matrix. The TPH concentration of this sample was 13,000 mg/kg. Pesticides were reported by the laboratory at concentrations ranging from 2.4 µg/kg – 15 µg/kg and were qualified as not detected and estimated (UJ). Results are identified on Table 3 with reason code CI.

Pesticide chromatograms were reviewed and compared to the chromatograms generated from the PCB analysis. Pesticides and PCBs were analyzed on the same analytical columns. In a subset of samples (listed below) there were aroclor-1260 chromatographic peaks that were identified as pesticides. The laboratory was asked to review the chromatogram from sample 401003-SD017001. The lab concluded that the peaks identified as pesticides were the same peaks from aroclor-1260. Professional judgment was used to qualify the detections of pesticides as not detected (U) at the reported concentration in the following samples: 401003-SD016001, 401003-SD017001, 401003-DP011008, 401003-DP012004, 401003-DP014004, 401003-DP018004, and 401003-DP018016. Results are identified on Table 3 with reason code FP.

The following samples were analyzed at a dilution. Pesticides not detected in samples are reported with elevated reporting limits.

Field_sample_id	lab_sample_id	Dilution Factor
401003-DP018004	M1908-20	3
401003-SD017001	M1908-27	20

2.2.4 PCBs

Target Analyte Quantitation

The summary forms for PCB identification (Form X) were reviewed and samples were qualified based on the procedures described in the Region II SOP for validating PCBs (SOP # HW-45). Percent differences between the concentrations reported for PCB detections were calculated by the laboratory and presented on Form X. Results with %Ds between 26-70% were qualified estimated (J). Results with %Ds between 71-100% were qualified (NJ) and the concentration is estimated and the presence of the PCB has been tentatively identified.

The percent difference between the concentrations reported on two dissimilar GC columns was above the control limit of 25 in the following samples:

- Sample 401003-DP012004 for aroclor-1260 (93),
- Sample 401003-DP014004 for aroclor-1260 (41).

The following sample was analyzed at a dilution. PCBs not detected in the sample are reported with elevated reporting limits.

Field_sample_id	lab_sample_id	Dilution Factor
401003-SD017001	M1908-27	20

2.2.5 Metals

No data qualifiers were required.

2.2.6 Hexavalent Chromium

Target Analyte Reporting

A single extraction was performed on soil and sediment samples for hexavalent chromium. The laboratory performed a duplicate analysis on the extracts and reported both results. Only one hexavalent chromium results is reported for each sample in the final data set. There were no quality control issues with either analysis and RPD between the values was less than 4 in all samples. The initial analysis for all soil and sediment samples was reported in the final data set.

2.2.7 TOC

No data qualifiers were required.

2.2.8 Total Solids

No data qualifiers were required.

Reference:

New York State Department of Environmental Conservation (NYSDEC), 2005. "Analytical Services Protocols"; June 2005.

New York State Department of Environmental Conservation (NYSDEC), 2010. "Technical Guidance for Site Investigation and Remediation-Appendix 2B"; DER-10; Division of Environmental Remediation; May 2010.

U.S. Environmental Protection Agency (USEPA), 2006a. "Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILM05.3 (SOP Revision 13)"; SOP # HW-2, Revision 3, Hazardous Waste Support Branch; September 2006.

U.S. Environmental Protection Agency (USEPA), 2006b. "Validating Pesticide Compounds Organochlorine Pesticides By Gas Chromatography SW-846 Method 8081B"; USEPA Region II Hazardous Waste Support Branch; HW-44; Revision 1.0; October 2006.

U.S. Environmental Protection Agency (USEPA), 2008a. "Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8260B"; USEPA Region II; HW-24; Revision 2; October 2008.

U.S. Environmental Protection Agency (USEPA), 2008b. "Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8270D"; USEPA Region II; HW-22; Revision 4; October 2008.

U.S. Environmental Protection Agency (USEPA), 2008c. "Validating PCB Compounds PCBS By Gas Chromatography SW-846 Method 8082A"; USEPA Region II Hazardous Waste Support Branch; HW-45; Revision 1.0; October 2008.

Data Validator: Tige Cunningham

January 29, 2014

Reviewed by Chris Ricardi QA Officer

January 30, 2014

- Laboratory Control Samples (LCS)
- Matrix Spike/Matrix Spike Duplicates (MS/MSD)
- Surrogate Spikes (if applicable)
- Internal Standard Response and Retention Times
- Field Duplicates
- Raw Data (chromatograms), Calculation Checks and Transcription Verifications
- Reporting Limits
- Electronic Data Qualification and Verification

With the exception of the items discussed below, results are interpreted to be usable as reported by the laboratory. The following laboratory or data validation qualifiers are used in the final data presentation.

U = target analyte is not detected above the reported detection limit
UJ = target analyte is not detected at the reported detection limit and is estimated
J = concentration is estimated
R = result is rejected
NJ = concentration is estimated and the presence of the analyte has been tentatively identified

A summary of the final field sample data is presented in Table 2. A summary of validation actions is presented in Table 3. Results are interpreted to be usable as reported by the laboratory unless discussed in the following sections.

2.0 DUSR DATA QUALIFICATION ACTIONS AND OBSERVATIONS

Water samples and soil/sediment samples are discussed in the following sections.

2.1 AQUEOUS SAMPLE

2.11 VOA

Instrument Calibration

In the initial calibration analyzed on September 28, 2013 (Inst V10) the percent relative standard deviation (%RSD) was greater than 20 for bromomethane (23) and 1,1,2,2-tetrachloroethane (22), and the average relative response factors (RRFs) were less than 0.05 for 2-butanone (0.036) and 1,4-dioxane (0.003). Results for bromomethane (23) and 1,1,2,2-tetrachloroethane were qualified as estimated (UJ) in sample 401003-CL001010. 2-Butanone and 1,4-dioxane were not detected in sample 401003-CL001010 and final results were qualified rejected (R).

The following compounds had percent differences (%Ds) that were > 20 in the continuing calibration standard analyzed on October 11, 2013 at 11:09: dichlorodifluoromethane (-22), trichloroflouromethane (-31), trans-1,2-dichloroethene (21), 1,2-dichloropropane (22), cis-1,3-dichloropropene (24), o-xylene (22), 1,2,4-trichlorobenzene (22), 1,1,2-trichloro-1,2,2-trifluoroethane (-20.4), and 1,4-dioxane (28). Results for these compounds were qualified estimated (UJ) in sample 401003-CL001010. The following compounds had RRFs that were < 0.05: 2-butanone (0.042),

acetone (0.049), and 1,4-dioxane (0.003). These compounds were not detected in sample 401003-CL001010 and results were rejected (R) in the final data set.

2.1.2 SVOCs

Calibration

A subset of results was qualified due to initial calibration and continuing calibration exceeding Region 2 validation guideline limits. Results are discussed in the following section and summarized on Table 3 with reason codes of ICVRRF, ICVRSD, CCVRRF, and CCV%D.

In the initial calibration analyzed on September 6, 2013 (Instrument S3) the %RSDs were > 15 for 4,6-dinitro-2-methylphenol (18), 2,4-dinitrophenol (32), and benzaldehyde (27). These compounds were not detected in sample 401003CL001010 and the reporting limits were qualified estimated in all samples (UJ).

The following compounds had percent differences (%Ds) that were > 20 in the continuing calibration standard analyzed on October 18, 2013 at 11:40: bis(2-chloroisopropyl)ether (34), nitrobenzene (48), 2-nitroaniline (23), and 2,4-dinitrophenol (-20). These compounds were not detected in sample 401003CL001010 and results were qualified estimated (UJ).

Surrogates

The percent recovery for surrogate phenol-d5 (15) and 2-fluorophenol (26) were below the lower control limit of 30 in sample 401003CL001010. There were no detections of acid compounds in sample 401003CL001010 and the reporting limits were qualified estimated (UJ).

LCS/LCSD

The percent recovery of benzaldehyde (14 and 15) was below the lower QC limit of 50 in the LCS and LCSD associated with sample 401003-CL001010. Benzaldehyde was not detected in sample 401003-CL001010 and the reporting limit was qualified estimated (UJ) in the final data set. Results were assigned a reason code of LCS-L on Table 3.

2.1.3 PESTICIDES

Calibration

The continuing calibration analyzed at the end of the analytical sequence (closing CCV) on October 19, 2013 at 01:26 had %Ds that were > 20 on one or both of the columns for the following compounds: alpha-BHC (28), beta-BHC (35), delta-BHC (58), gamma-BHC (28), 4,4-DDE (226), endrin (21), 4,4-DDD (102), 4,4-DDT (20.7), endrin ketone (36), endrin aldehyde (43), and endosulfan sulfate (26). Results for these compounds were qualified estimated (J/UJ) in associated samples and assigned a reason code of CCV%D in table 3.

Target Analyte Quantitation

The percent difference between the concentrations reported on two dissimilar GC columns was above the control limit of 25 for endosulfan II (68), and methoxychlor (38) in sample 25 401003-CL001010. Results for endosulfan II and methoxychlor were qualified estimated (J) in sample 401003-CL001010. Results were assigned a reason code of DC-PD on Table 3.

2.1.4 PCBs

LCS/LCSD

The RPD between the percent recoveries of aroclor-1260 was 38 and was above the laboratory control limit of 30 in the LCS and LCSD (batch74237). Aroclor-1260 was not detected in the associated sample (401003-CL001010) and the reporting limit was qualified estimated (UJ). This result was assigned a reason code of LCS-RPD on table 3.

2.1.5 METALS

Blanks

Barium was detected at 2.7 µg/L in the calibration blank associated with sample 401003-CL001010. Action level was calculated at five times the blank concentration and compared to the sample result. Barium was detected below the action level at 9.6 µg/L and qualified as not detected (U).

2.1.6 Hexavalent Chromium

Reporting

For aqueous sample 401003-CL001010 the method requested on the chain of custody for hexavalent chromium was Method 7199, but the laboratory documentation indicates Standard Method 3500D was used. Method 3500D was used due to the 24 hour short hold time, which did not allow Spectrum Analytical Inc. enough time to ship the sample to ALS to analyze by 7199. Sample results are reported from the Method 3500D analysis.

2.2 SOIL AND SEDIMENT

2.2.1 VOCs

Blanks

Methylene chloride was reported in the trip blanks 401003-TB101 (6.1 µg/kg) and 401003-TB102 (4.7J µg/kg) submitted with soil samples. Action levels were calculated at ten times the blank concentrations and then compared to sample results. Detections of methylene chloride that were below the action levels were qualified non-detected (U). Results are summarized on Table 3 with a reason code of BL2.

Calibration

A subset of results were qualified due to initial calibration and continuing calibrations exceeding Region 2 validation guideline control limits. Results are discussed in the following section and summarized on Table 3 with reason codes ICVRRF, ICVRSD, CCVRRF, and CCV%D. Results for the following compounds were qualified in one or more samples:

- 1,1,1-trichloroethane
- 1,1,1-trichloroethane,1,2,2-tetrachloroethane
- 1,1,2-trichloro-1,2,2-trifluoroethane
- 1,2,4-trichlorobenzene
- 1,1-dichloroethene
- 1,2-dichloropropane
- 1,4-dioxane
- 2-butanone
- 2-hexanone
- acetone
- bromodichloromethane
- bromomethane
- carbon tetrachloride
- cis-1,3-dichloropropene
- cyclohexane
- dichlorodifluoromethane
- methylcyclohexane
- methylene chloride
- trans-1,3-dichloropropene
- trichlorofluoromethane
- o-xylene

In the initial calibration analyzed on October 7, 2013 (Inst V1) the %RSD was greater than 20 for methylene chloride (25), 2-hexanone (27), and 1,4-dioxane (31), and the average RRFs were less than 0.05 for 2-butanone (0.041) and 1,4-dioxane (0.003). Results for methylene chloride and 2-hexanone were qualified as estimated (J/UJ) in associated soil samples. Non-detected results for 2-butanone and 1,4-dioxane were qualified rejected (R) in associated samples and detections for these compounds were qualified estimated (J).

In the initial calibration analyzed on September 28, 2013 (Inst V10) the %RSD was greater than 20 for bromomethane (23) and 1,1,2,2-tetrachloroethane (22), and the average RRFs were less than 0.05 for 2-butanone (0.036) and 1,4-dioxane (0.003). Results for bromomethane (23) and 1,1,2,2-tetrachloroethane were qualified as estimated (UJ) in associated soil samples. 2-Butanone and 1,4-dioxane were not detected in associated samples and final results were qualified rejected (R).

The following compounds had %Ds that were > 20 in the continuing calibration standard analyzed on October 7, 2013 at 20:47: trichlorofluoromethane (-22), acetone (-22), cyclohexane (-21), and methylcyclohexane (-22). Results were not detected in associated soil samples and the reporting limit was qualified estimated (UJ). The

following compounds had RRFs that were < 0.05: acetone (0.041), 2-butanone (0.039), 1,4-dioxane (0.003). These compounds were not detected and results were rejected (R) in the final data set.

The following compounds had %Ds that were > 20 in the continuing calibration standard analyzed on October 8, 2013 at 09:26: methylene chloride (22), 1,1,2-trichloro-1,2,2-trifluoroethane (33), and 1,4-dioxane (-25). Results were qualified estimated (J/UJ) in associated soil samples. The following compounds had RRFs that were < 0.05: 2-butanone (0.040), 1,4-dioxane (0.002). These compounds were not detected and results were rejected (R) in the final data set.

The following compounds had %Ds that were > 20 in the continuing calibration standard analyzed on October 9, 2013 at 09:15: 1,1-dichloroethene (20.2), methylene chloride (30), 1,1,2-trichloro-1,2,2-trifluoroethane (36), and 1,4-dioxane (-33). Results were qualified estimated (J/UJ) in associated soil samples. The following compounds had RRFs that were < 0.05: 2-butanone (0.043), 1,4-dioxane (0.002). These compounds were not detected and results were rejected (R) in the final data set.

The following compounds had %Ds that were > 20 in the continuing calibration standard analyzed on October 10, 2013 at 09:04: dichlorodifluoromethane (-28), methylene chloride (26), 1,1,2-trichloro-1,2,2-trifluoroethane (36), and cyclohexane (30). Results were qualified estimated (UJ) in associated soil samples. The following compounds had RRFs that were < 0.05: 2-butanone (0.043), 1,4-dioxane (0.003). These compounds were not detected and results were rejected (R) in the final data set.

The following compounds had %Ds that were > 20 in the continuing calibration standard analyzed on October 10, 2013 at 08:17: dichlorodifluoromethane (-20), 1,1,1-trichloroethane (27), carbon tetrachloride (32), bromodichloromethane (27), cis-1,3-dichloropropene (21), and trans-1,3-dichloropropene (21). Results for these compounds were qualified estimated (UJ) in associated soil samples. The following compounds had RRFs that were < 0.05: 2-butanone (0.042), 1,4-dioxane (0.003). These compounds were not detected and results were rejected (R) in the final data set.

The following compounds had %Ds that were > 20 in the continuing calibration standard analyzed on October 11, 2013 at 11:09: dichlorodifluoromethane (-22), trichloroflouromethane (-31), trans-1,2-dichloroethene (21), 1,2-dichloropropane (22), cis-1,3-dichloropropene (24), o-xylene (22), 1,2,4-trichlorobenzene (22), 1,1,2-trichloro-1,2,2-trifluoroethane (-20.4), and 1,4-dioxane (28). Results for these compounds were qualified estimated (J/UJ) in associated soil samples. The following compounds had RRFs that were < 0.05: 2-butanone (0.042), 1,4-dioxane (0.003). These compounds were not detected and results were rejected (R) in the final data set.

Internal Standards

The area of internal standard 1,4-dichlorobenzene-d4 was below the lower control limit of 50 percent in sample 401003DP014016. The results for compounds quantified with this internal standard were qualified as estimated (J/UJ) in sample 401003DP014016. Results are listed on Table 3 with code IS-L.

LCS/LCSD

The percent recovery of dichlorodifluoromethane (67) was below the lower QC limit of 70 in the LCS analyzed on October 10, 2013 at 9:33. Dichlorodifluoromethane was not detected in associated samples and the reporting limit was qualified estimated (UJ) in the final data set.

The percent recoveries of dichlorodifluoromethane (68), trichlorofluoromethane (61), and 1,1,2-trichloro-1,2,2-trifluoroethane (69) were below the lower QC limit of 70 in the LCS analyzed on October 11, 2013 at 12:19. These compounds were not detected in associated samples and the reporting limits were qualified estimated (UJ) in the final data set.

The percent recovery of dichlorodifluoromethane (65) was below the lower QC limit of 70 in the LCS analyzed on October 10, 2013 at 10:11. Dichlorodifluoromethane was not detected in associated samples and the reporting limit was qualified estimated (UJ) in the final data set.

Results qualified were assigned a reason code of LCS-L in Table 3.

Surrogates

The percent recoveries for surrogates toluene-d8 (132) and bromofluorobenzene (172) were above the upper control limit 130 in sample 401003DP014016. Positive detected results were qualified estimated (J) in the sample.

Matrix Spikes

A matrix spike and matrix spike duplicate was performed on soil sample 401003-DP010016. The following compounds had percent recoveries that were outside of 70-130 percent control limits: dichlorodifluoromethane (14, 49), chloromethane (17), vinyl chloride (16), bromomethane (41), chloroethane (48), trichlorofluoromethane (53), 1,1-dichloroethene (57), acetone (53), carbon disulfide (66), 1,1,2-trichloro-1,2,2-trifluoroethane (61), and 1,4-dioxane (26, 57). The RPD between percent recoveries in the MS and MSD were above the control limit of 35 for the following compounds: dichlorodifluoromethane (112), chloromethane (126), vinyl chloride (133), bromomethane (72), chloroethane (53), acetone (37), 1,1,2-trichloro-1,2,2-trifluoroethane (42), and 1,4-dioxane (74). Results for these compounds were qualified estimated (J/UJ) in sample 401003-DP010016. Results were assigned reason codes MS-L and/or MS-RPD in Table 3.

2.2.2 SVOCs

Blanks

Butylbenzylphthalate was reported in the method blank (MB74198) at 99 µg/kg. Action levels were calculated at ten times the blank concentration and then compared to sample results. Detections of butylbenzylphthalate that were below the action level were qualified non-detected (U). Results are summarized on Table 3 with a reason code of BL2.

Calibration

In the initial calibration analyzed on September 6, 2013 (Instrument S3) the %RSDs were >15 for 4,6-dinitro-2-methylphenol (18), 2,4-dinitrophenol (32), and benzaldehyde (27). These compounds were not detected in associated samples and the reporting limits were qualified estimated in all samples (UJ).

The following compounds had %Ds that were > 20 in the continuing calibration standard analyzed on October 24, 2013 at 16:03: bis(2-chloroisopropyl)ether (30), nitrobenzene (45), 2-nitroaniline (23), and benzo(k)fluoranthene (23). The results for these compounds were qualified estimated (J/UJ) in associated samples.

The following compounds had %Ds that were > 20 in the continuing calibration standard analyzed on October 24, 2013 at 10:21: bis(2-chloroisopropyl)ether (34), nitrobenzene (47), 2-nitroaniline (24), 2,4-dinitrophenol (-41), and 4,6-dinitro-2-methylphenol (-27). The results for these compounds were qualified estimated (J/UJ) in associated samples.

The following compounds had %Ds that were > 20 in the continuing calibration standard analyzed on October 25, 2013 at 13:21: bis(2-chloroisopropyl)ether (20) and 2,4-dinitrophenol (24). The results for these compounds were qualified estimated (J/UJ) in associated samples.

LCS/LCSD

The percent recoveries of the following compounds were below the lower QC limits of 30 (acid fraction) and 50 (base fraction) in the LCS extracted with batch 74198: 2,4-dimethyphenol (17), 4-chloroaniline (19), pentachlorophenol (18), and 3,3-dichlorobenzidine (44). Results were estimated (J/UJ) for these compounds in associated samples. Results were assigned a reason code of LCS-L in Table 3.

The percent recovery of the following compounds were below the lower QC limits of 30 (acid fraction) and 50 (base fraction) in the LCS/LCSD extracted with batch 74199: 2,4-dimethyphenol (26,27), 4-chloroaniline (18,15), 3-nitroaniline (47), pentachlorophenol (21), benzaldehyde (22,23), and 3,3-dichlorobenzidine (40,36). The following compounds had an RPD above the control limit of 40: 2,4-dinitrophenol (46) and pentachlorophenol (75). Results were estimated (J/UJ) for these compounds in associated samples. Results were assigned a reason code of LCS-L and/or LCS-RPD in Table 3.

Internal Standards

The area of internal standard acenaphthene-d10 was below the lower control limit of 50 percent in the undiluted analysis of samples 401003DP019016, 401003DP020016, 401003DP012016, and 401003DP016016. The results for compounds quantified with this internal standard were qualified as estimated (UJ) in sample 401003DP012016 . Dilution analyses were performed on samples 401003DP019016, 401003DP020016, and 401003DP016016 and the final results were reported from the dilution analyses.

The area of internal standard phenanthrene-d10 was below the lower control limit of 50 percent in the undiluted analysis of samples 401003DP012016, 401003DP013016, 401003DP016016, 401003DP019016, and 401003DP020016 . The results for compounds quantified with this internal standard were qualified as estimated (UJ) in

sample 401003DP013016. Dilution analyses were performed on samples 401003DP020016, 401003DP019016, and 401003DP016016 and the final results were reported from the dilution analyses. Results in sample 401003DP012016 were rejected (see discussion below).

Results qualified due to low internal standards are presented in Table 3 with a validation qualifier of IS-L.

Matrix Spikes

A MS/MSD was performed on soil sample 401003-DP010016. The following compounds had percent recoveries that were below the lower QC limit of 30 (acid fraction) or 50 (base fraction): 2,4-dimethylphenol (18,19), 4-chloroaniline (21,24), hexachlorocyclopentadiene (39,46), 3-nitroaniline (49), 2,4-dinitrophenol (24), pentachlorophenol (5), 3,3,-dichlorobenzidine (35,40), and benzaldehyde (45,47). The RPD between percent recoveries in the MS and MSD were above the control limit of 35 for the following compounds: 2,4-dinitrophenol (86), and pentachlorophenol (155). Results for these compounds were qualified estimated (UJ) in sample 401003-DP010016. Results were assigned reason codes MS-L and/or MS-RPD in Table 3.

Sample Results Reporting

The chromatograms and quantitations reports were reviewed for SVOC results for soil samples reported in SDG M1908. The following table presents a sub set of soil samples that exhibited chromatographic interference from fuel related compounds.

field_sample_id	lab_sample_id
401003-DP012016	M1908-08
401003-DP013016	M1908-10
401003-DP014016	M1908-12
401003-DP015016	M1908-15
401003-DP016016	M1908-17

field_sample_id	lab_sample_id
401003-DP017016	M1908-19
401003-DP018016	M1908-21
401003-DP019016	M1908-23
401003-DP020016	M1908-25

Prior to analyzing the SVOC sample extracts, Spectrum Analytical laboratory (Rhode Island location) performed a gel-permeation chromatography (GPC) clean-up to remove interferences from large molecular weight compounds. This clean-up was insufficient to remove the interference from the potential fuels present in the samples in the initial runs. Because the interference remained in the extracts after the GPC clean-up, a decision was made to subject these extracts to a silica gel clean-up per Method 3630 in an effort to detect PAH compounds potentially masked by the fuel contamination. Method 3630 was performed at the Spectrum Analytical laboratory located in Florida. The associated LCS/LCSD and method blank extracts were also cleaned-up and analyzed with sample extracts. The results of the analysis of the extracts after the silica gel clean-up were reported in SDG M2390. After reviewing the analytical results of the three LCS spikes, it was determined that the silica gel clean-up procedure was unsuccessful. The silica gel clean-up procedure removed the majority of the PAH compounds of interest from the LCS spikes with the majority of the PAH recoveries in two of the LCS spikes recovering at less than ten percent. Because the poor PAHs recoveries, the associated sample results were determined to be unusable and were rejected. Data results from SDG M2390 are not presented in the final data tables.

The original runs were the only data available for the samples in the above table. Samples were evaluated to determine if the fuel related interference could have potentially masked target compounds resulting in a false negative result. Some samples were re-analyzed at a dilution by the laboratory due to elevated concentrations of target compounds. Analyzing these samples at a dilution seemed to diminish the interference which allowed target compounds and associated internal standards to chromatographically separate from the fuel related interference. Professional judgment was used by the AMEC chemist to report the diluted results (with elevated reporting limits for non-detects) as well as qualify results from undiluted runs as estimated (J/UJ). The SVOC results for sample 401003DP012016 were qualified rejected (R) due to significant fuel related interference (no dilution analysis was performed by the lab). Final results qualified due to this interference are presented in Table 3 with a reason code of (CI).

The following samples were diluted due to elevated target compounds above the instrument calibration. The reporting limits for non-detected compounds were elevated by the dilution factor.

field_sample_id	lab_sample_id	dilution_factor
401003-DP016016	M1908-17	10
401003-DP019016	M1908-23	5
401003-DP020016	M1908-25	5

2.2.3 PESTICIDES

Calibration

The continuing calibration analyzed at the end of the analytical sequence (closing CCV) on October 19, 2013 at 01:26 had %Ds that were > 20 on one or both of the columns for the following compounds: alpha-BHC (28), beta-BHC (35), delta-BHC (58), gamma-BHC (28), 4,4-DDE (226), endrin (21), 4,4-DDD (102), 4,4-DDT (20.7), endrin ketone (36), endrin aldehyde (43), and endosulfan sulfate (26). Results for these compounds were qualified estimated (J/UJ) in associated samples and assigned a reason code of CCV%D in table 3.

The laboratory noted in the narrative that the closing CCV did not pass the criteria due to sample matrix and that all of the associated sample were re-analyzed with similar results. The laboratory reported the only reported the initial analysis.

Target Analyte Quantitation

The summary forms for pesticide identification (Form X) were reviewed and samples were qualified based on procedures described in the Region II SOP for validating pesticide (SOP # HW-44). Percent differences between the concentrations reported for pesticide detections were calculated by the laboratory and presented on Form X. Results with %Ds between 26-70% were qualified estimated (J). Results with %Ds between 71-100% were qualified (NJ) and the concentration is estimated and the presence of the pesticide has been tentatively identified. Results with %Ds > 100% (no interference observed) were rejected (R) and if interference was observed, the result was qualified NJ.

The percent difference between the concentrations reported on two dissimilar GC columns was above the control limit of 25 in the following samples:

- Sample 401003-SD016001 for the following compounds: heptachlor epoxide (86), dieldrin (88), 4,4-DDD (86), endosulfan sulfate (79), and endrin aldehyde (48),
- Sample 401003-DP011008 for 4,4-DDD (140),
- Sample 401003-DP014004 for 4,4-DDD (130), and endosulfan sulfate (45),
- Sample 401003-DP018004 for dieldrin (27), and 4,4-DDT (40),
- Sample 401003-DP018016 for endosulfan sulfate (106),
- Sample 401003-SD017001 for dieldrin (35), 4,4-DDD (39), 4,4-DDT (33), and endrin ketone (113). Pesticide chromatograms were reviewed for sample 401003-SD017001 and compared to the chromatograms generated from the PCB analysis. Peaks identified as pesticides match the same peaks identified as Aroclor-1260 (see discussion below). Professional judgment was used to qualify results for dieldrin, 4,4-DDD, 4,4-DDT and endrin ketone as not detected (U) at the concentration reported. These reporting limits are elevated due to the 20X dilution performed on the sample,
- Sample 401003-DP016016 had numerous compounds reported with %Ds that were > 100% and some compounds with %Ds that were < 25%. The chromatograms were reviewed during validation for this sample and the peaks identified as pesticides by the laboratory were determined to be potentially false positive detections produced by an elevated concentration of fuel oil in the matrix. The TPH concentration of this sample was 13,000 mg/kg. Pesticides were reported by the laboratory at concentrations ranging from 2.4 µg/kg – 15 µg/kg and were qualified as not detected and estimated (UJ). Results are identified on Table 3 with reason code CI.

Pesticide chromatograms were reviewed and compared to the chromatograms generated from the PCB analysis. Pesticides and PCBs were analyzed on the same analytical columns. In a subset of samples (listed below) there were aroclor-1260 chromatographic peaks that were identified as pesticides. The laboratory was asked to review the chromatogram from sample 401003-SD017001. The lab concluded that the peaks identified as pesticides were the same peaks from aroclor-1260. Professional judgment was used to qualify the detections of pesticides as not detected (U) at the reported concentration in the following samples: 401003-SD016001, 401003-SD017001, 401003-DP011008, 401003-DP012004, 401003-DP014004, 401003-DP018004, and 401003-DP018016. Results are identified on Table 3 with reason code FP.

The following samples were analyzed at a dilution. Pesticides not detected in samples are reported with elevated reporting limits.

Field_sample_id	lab_sample_id	Dilution Factor
401003-DP018004	M1908-20	3
401003-SD017001	M1908-27	20

2.2.4 PCBs

Target Analyte Quantitation

The summary forms for PCB identification (Form X) were reviewed and samples were qualified based on the procedures described in the Region II SOP for validating PCBs (SOP # HW-45). Percent differences between the concentrations reported for PCB detections were calculated by the laboratory and presented on Form X. Results with %Ds between 26-70% were qualified estimated (J). Results with %Ds between 71-100% were qualified (NJ) and the concentration is estimated and the presence of the PCB has been tentatively identified.

The percent difference between the concentrations reported on two dissimilar GC columns was above the control limit of 25 in the following samples:

- Sample 401003-DP012004 for aroclor-1260 (93),
- Sample 401003-DP014004 for aroclor-1260 (41).

The following sample was analyzed at a dilution. PCBs not detected in the sample are reported with elevated reporting limits.

Field_sample_id	lab_sample_id	Dilution Factor
401003-SD017001	M1908-27	20

2.2.5 Metals
No data qualifiers were required.

2.2.6 Hexavalent Chromium

Target Analyte Reporting

A single extraction was performed on soil and sediment samples for hexavalent chromium. The laboratory performed a duplicate analysis on the extracts and reported both results. Only one hexavalent chromium results is reported for each sample in the final data set. There were no quality control issues with either analysis and RPD between the values was less than 4 in all samples. The initial analysis for all soil and sediment samples was reported in the final data set.

2.2.7 TOC

No data qualifiers were required.

2.2.8 Total Solids

No data qualifiers were required.

Reference:

New York State Department of Environmental Conservation (NYSDEC), 2005. "Analytical Services Protocols"; June 2005.

New York State Department of Environmental Conservation (NYSDEC), 2010. "Technical Guidance for Site Investigation and Remediation-Appendix 2B"; DER-10; Division of Environmental Remediation; May 2010.

U.S. Environmental Protection Agency (USEPA), 2006a. "Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILM05.3 (SOP Revision 13)"; SOP # HW-2, Revision 3, Hazardous Waste Support Branch; September 2006.

U.S. Environmental Protection Agency (USEPA), 2006b. "Validating Pesticide Compounds Organochlorine Pesticides By Gas Chromatography SW-846 Method 8081B"; USEPA Region II Hazardous Waste Support Branch; HW-44; Revision 1.0; October 2006.

U.S. Environmental Protection Agency (USEPA), 2008a. "Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8260B"; USEPA Region II; HW-24; Revision 2; October 2008.

U.S. Environmental Protection Agency (USEPA), 2008b. "Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8270D"; USEPA Region II; HW-22; Revision 4; October 2008.

U.S. Environmental Protection Agency (USEPA), 2008c. "Validating PCB Compounds PCBS By Gas Chromatography SW-846 Method 8082A"; USEPA Region II Hazardous Waste Support Branch; HW-45; Revision 1.0; October 2008.

Data Validator: Tige Cunningham

January 29, 2014

Reviewed by Chris Ricardi QA Officer

January 30, 2014

Table 1 - Sample Listing
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

					Class	VOC	SVOC	PEST	PCBs	Metals	Metals	Metals	Moisture	pH	TPH	hex chrome	hex chrome	TOC
					Analysis Method	SW8260	SW8270	SW8081	SW8082	SW6010	SW7470	SW7471	ASTMD2216	SW9045	8015D	SM3500-CR	SW7199	LLOYDKAHN
					Fraction	T	T	T	T	T	T	T	T	T	T	T	T	T
SDG	Media	Location	Sample Date	Sample ID	Qc Code													
M1908	SOIL	DP-10	10/2/2013	401003-DP010008	FS	53	66	21	9				1	1			1	
M1908	SOIL	DP-10	10/2/2013	401003-DP010008D	FD	53	66	21	9				1	1			1	
M1908	SOIL	DP-10	10/2/2013	401003-DP010016	FS	53	66	21	9				1	1			1	
M1908	SOIL	DP-11	10/2/2013	401003-DP011008	FS	53	66	21	9				1	1			1	
M1908	SOIL	DP-11	10/2/2013	401003-DP011016	FS	53	66	21	9				1	1			1	
M1908	SOIL	DP-12	10/2/2013	401003-DP012004	FS	53	66	21	9				1	1			1	
M1908	SOIL	DP-12	10/2/2013	401003-DP012016	FS	53	66	21	9				1	1			1	
M1908	SOIL	DP-13	10/2/2013	401003-DP013008	FS	53	66	21	9				1	1			1	
M1908	SOIL	DP-13	10/2/2013	401003-DP013016	FS	53	66	21	9				1	1			1	
M1908	SOIL	DP-14	10/2/2013	401003-DP014004	FS	53	66	21	9				1	1			1	
M1908	SOIL	DP-14	10/2/2013	401003-DP014016	FS	53	66	21	9				1	1			1	
M1908	SOIL	DP-15	10/3/2013	401003-DP015004	FS	53	66	21	9				1	1			1	
M1908	SOIL	DP-15	10/3/2013	401003-DP015016	FS	53	66	21	9				1	1			1	
M1908	SOIL	DP-16	10/3/2013	401003-DP016008	FS	53	66	21	9				1	1			1	
M1908	SOIL	DP-16	10/3/2013	401003-DP016016	FS	53	66	21	9				1	1	1		1	
M1908	SOIL	DP-17	10/3/2013	401003-DP017008	FS	53	66	21	9				1	1			1	
M1908	SOIL	DP-17	10/3/2013	401003-DP017016	FS	53	66	21	9				1	1			1	
M1908	SOIL	DP-18	10/3/2013	401003-DP018004	FS	53	66	21	9				1	1			1	
M1908	SOIL	DP-18	10/3/2013	401003-DP018016	FS	53	66	21	9				1	1			1	
M1908	SOIL	DP-19	10/3/2013	401003-DP019008	FS	53	66	21	9				1	1			1	
M1908	SOIL	DP-19	10/3/2013	401003-DP019016	FS	53	66	21	9				1	1			1	
M1908	SOIL	DP-20	10/3/2013	401003-DP020008	FS	53	66	21	9				1	1			1	
M1908	SOIL	DP-20	10/3/2013	401003-DP020016	FS	53	66	21	9				1	1			1	
M1908	SED	SD-16	10/1/2013	401003-SD016001	FS	53	66	21	9	23		1	1	1			1	1
M1908	SED	SD-17	10/3/2013	401003-SD017001	FS	53	66	21	9	23		1	1	1			1	1
M1908	NA-L	CL-1	10/3/2013	401003-CL001010	FS	53	66	21	9	23	1					1		
M1908	BW	QC	10/3/2013	401003-TB103	TB	53												
M1908	NA-S	QC	10/2/2013	401003-TB101	TB	53												
M1908	NA-S	QC	10/3/2013	401003-TB102	TB	53												

Notes:
FS = Field Sample
TB = Trip Blank
Fraction: T = Total

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AlTech_M1908_Table_1_REV.xls
Produced by: BJS 11/06/13
Checked by TLC 11/12/13

Table 2 - Results Summary
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

		Sample Delivery Group	M1908		M1908		M1908		M1908	
		Location	DP-10		DP-10		DP-10		DP-11	
		Sample Date	10/2/2013		10/2/2013		10/2/2013		10/2/2013	
		Sample ID	401003-DP010008		401003-DP010008D		401003-DP010016		401003-DP011008	
		Qc Code	FS		FD		FS		FS	
Analysis	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8260	1,1,1-Trichloroethane	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	1,1,2,2-Tetrachloroethane	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/Kg	7.1	U	8.7	U	4.8	UJ	5.5	U
SW8260	1,1,2-Trichloroethane	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	1,1-Dichloroethane	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	1,1-Dichloroethene	ug/Kg	7.1	U	8.7	U	4.8	UJ	5.5	U
SW8260	1,2,3-Trichlorobenzene	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	1,2,4-Trichlorobenzene	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	1,2-Dibromo-3-chloropropane	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	1,2-Dibromoethane	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	1,2-Dichlorobenzene	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	1,2-Dichloroethane	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	1,2-Dichloropropane	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	1,3-Dichlorobenzene	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	1,4-Dichlorobenzene	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	1,4-Dioxane	ug/Kg		R		R		R		R
SW8260	2-Butanone	ug/Kg		R		R		R		R
SW8260	2-Hexanone	ug/Kg	7.1	UJ	8.7	UJ	4.8	UJ	5.5	UJ
SW8260	4-Methyl-2-pentanone	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	Acetic acid, methyl ester	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	Acetone	ug/Kg		R		R	4.8	UJ		R
SW8260	Benzene	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	Bromochloromethane	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	Bromodichloromethane	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	Bromoform	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	Bromomethane	ug/Kg	7.1	U	8.7	U	4.8	UJ	5.5	U
SW8260	Carbon disulfide	ug/Kg	3.2	J	8.7	U	4.8	UJ	5.5	U
SW8260	Carbon tetrachloride	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	Chlorobenzene	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	Chlorodibromomethane	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	Chloroethane	ug/Kg	7.1	U	8.7	U	4.8	UJ	5.5	U
SW8260	Chloroform	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	Chloromethane	ug/Kg	7.1	U	8.7	U	4.8	UJ	5.5	U
SW8260	Cis-1,2-Dichloroethene	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	cis-1,3-Dichloropropene	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	Cyclohexane	ug/Kg	7.1	UJ	8.7	UJ	4.8	U	5.5	UJ
SW8260	Dichlorodifluoromethane	ug/Kg	7.1	U	8.7	U	4.8	UJ	5.5	U
SW8260	Ethyl benzene	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	Isopropylbenzene	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	Methyl cyclohexane	ug/Kg	7.1	UJ	8.7	UJ	4.8	U	5.5	UJ
SW8260	Methyl Tertbutyl Ether	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	Methylene chloride	ug/Kg	7.1	UJ	9.4	UJ	4.8	UJ	5.5	UJ
SW8260	Styrene	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	Tetrachloroethene	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	Toluene	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	trans-1,2-Dichloroethene	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	trans-1,3-Dichloropropene	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	Trichloroethene	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	Trichlorofluoromethane	ug/Kg	7.1	UJ	8.7	UJ	4.8	UJ	5.5	UJ
SW8260	Vinyl chloride	ug/Kg	7.1	U	8.7	U	4.8	UJ	5.5	U
SW8260	Xylene, o	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	Xylenes (m&p)	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U
SW8260	Xylenes, Total	ug/Kg	7.1	U	8.7	U	4.8	U	5.5	U

Table 2 - Results Summary
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

		Sample Delivery Group	M1908		M1908		M1908		M1908	
		Location	DP-10		DP-10		DP-10		DP-11	
		Sample Date	10/2/2013		10/2/2013		10/2/2013		10/2/2013	
		Sample ID	401003-DP010008		401003-DP010008D		401003-DP010016		401003-DP011008	
		Qc Code	FS		FD		FS		FS	
Analysis	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8270	1,2,4,5-Tetrachlorobenzene	ug/Kg	370	U	390	U	370	U	370	U
SW8270	2,4,5-Trichlorophenol	ug/Kg	760	U	790	U	760	U	750	U
SW8270	2,4,6-Trichlorophenol	ug/Kg	370	U	390	U	370	U	370	U
SW8270	2,4-Dichlorophenol	ug/Kg	370	U	390	U	370	U	370	U
SW8270	2,4-Dimethylphenol	ug/Kg	370	UJ	390	UJ	370	UJ	370	UJ
SW8270	2,4-Dinitrophenol	ug/Kg	760	UJ	790	UJ	760	UJ	750	UJ
SW8270	2,4-Dinitrotoluene	ug/Kg	370	U	390	U	370	U	370	U
SW8270	2,6-Dinitrotoluene	ug/Kg	370	U	390	U	370	U	370	U
SW8270	2-Chloronaphthalene	ug/Kg	370	U	390	U	370	U	370	U
SW8270	2-Chlorophenol	ug/Kg	370	U	390	U	370	U	370	U
SW8270	2-Methylnaphthalene	ug/Kg	370	U	390	U	370	U	370	U
SW8270	2-Methylphenol	ug/Kg	370	U	390	U	370	U	370	U
SW8270	2-Nitroaniline	ug/Kg	760	UJ	790	UJ	760	UJ	750	UJ
SW8270	2-Nitrophenol	ug/Kg	370	U	390	U	370	U	370	U
SW8270	3,3'-Dichlorobenzidine	ug/Kg	370	UJ	390	UJ	370	UJ	370	UJ
SW8270	3-Nitroaniline	ug/Kg	760	U	790	U	760	UJ	750	U
SW8270	4,6-Dinitro-2-methylphenol	ug/Kg	760	UJ	790	UJ	760	UJ	440	J
SW8270	4-Bromophenyl phenyl ether	ug/Kg	370	U	390	U	370	U	370	U
SW8270	4-Chloro-3-methylphenol	ug/Kg	370	U	390	U	370	U	370	U
SW8270	4-Chloroaniline	ug/Kg	370	UJ	390	UJ	370	UJ	370	UJ
SW8270	4-Chlorophenyl phenyl ether	ug/Kg	370	U	390	U	370	U	370	U
SW8270	4-Methylphenol	ug/Kg	370	U	390	U	370	U	370	U
SW8270	4-Nitroaniline	ug/Kg	760	U	790	U	760	U	750	U
SW8270	4-Nitrophenol	ug/Kg	760	U	790	U	760	U	750	U
SW8270	Acenaphthene	ug/Kg	370	U	390	U	370	U	370	U
SW8270	Acenaphthylene	ug/Kg	370	U	390	U	370	U	370	U
SW8270	Acetophenone	ug/Kg	370	U	390	U	370	U	370	U
SW8270	Anthracene	ug/Kg	370	U	390	U	370	U	370	U
SW8270	Atrazine	ug/Kg	370	U	390	U	370	U	370	U
SW8270	Benzaldehyde	ug/Kg	370	UJ	390	UJ	370	UJ	370	UJ
SW8270	Benzo(a)anthracene	ug/Kg	370	U	390	U	370	U	370	U
SW8270	Benzo(a)pyrene	ug/Kg	370	U	390	U	370	U	370	U
SW8270	Benzo(b)fluoranthene	ug/Kg	370	U	390	U	370	U	97	J
SW8270	Benzo(ghi)perylene	ug/Kg	370	U	390	U	370	U	370	U
SW8270	Benzo(k)fluoranthene	ug/Kg	370	UJ	390	UJ	370	U	370	UJ
SW8270	Biphenyl	ug/Kg	370	U	390	U	370	U	370	U
SW8270	Bis(2-Chloroethoxy)methane	ug/Kg	370	U	390	U	370	U	370	U
SW8270	Bis(2-Chloroethyl)ether	ug/Kg	370	U	390	U	370	U	370	U
SW8270	Bis(2-Chloroisopropyl)ether	ug/Kg	370	UJ	390	UJ	370	UJ	370	UJ
SW8270	Bis(2-Ethylhexyl)phthalate	ug/Kg	370	U	390	U	370	U	89	J
SW8270	Butylbenzylphthalate	ug/Kg	370	U	390	U	370	U	370	U
SW8270	Caprolactam	ug/Kg	370	U	390	U	370	U	370	U
SW8270	Carbazole	ug/Kg	370	U	390	U	370	U	370	U
SW8270	Chrysene	ug/Kg	370	U	390	U	370	U	370	U
SW8270	Di-n-butylphthalate	ug/Kg	130	J	85	J	370	U	370	U
SW8270	Di-n-octylphthalate	ug/Kg	370	U	390	U	370	U	370	U
SW8270	Dibenz(a,h)anthracene	ug/Kg	370	U	390	U	370	U	370	U
SW8270	Dibenzofuran	ug/Kg	370	U	390	U	370	U	370	U
SW8270	Diethylphthalate	ug/Kg	370	U	390	U	370	U	370	U
SW8270	Dimethylphthalate	ug/Kg	370	U	390	U	370	U	370	U
SW8270	Fluoranthene	ug/Kg	370	U	390	U	370	U	95	J
SW8270	Fluorene	ug/Kg	370	U	390	U	370	U	370	U
SW8270	Hexachlorobenzene	ug/Kg	370	U	390	U	370	U	370	U

Table 2 - Results Summary
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

		Sample Delivery Group	M1908		M1908		M1908		M1908	
		Location	DP-10		DP-10		DP-10		DP-11	
		Sample Date	10/2/2013		10/2/2013		10/2/2013		10/2/2013	
		Sample ID	401003-DP010008		401003-DP010008D		401003-DP010016		401003-DP011008	
		Qc Code	FS		FD		FS		FS	
Analysis	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8270	Hexachlorobutadiene	ug/Kg	370	U	390	U	370	U	370	U
SW8270	Hexachlorocyclopentadiene	ug/Kg	370	U	390	U	370	UJ	370	U
SW8270	Hexachloroethane	ug/Kg	370	U	390	U	370	U	370	U
SW8270	Indeno(1,2,3-cd)pyrene	ug/Kg	370	U	390	U	370	U	370	U
SW8270	Isophorone	ug/Kg	370	U	390	U	370	U	370	U
SW8270	N-Nitrosodi-n-propylamine	ug/Kg	370	U	390	U	370	U	370	U
SW8270	N-Nitrosodiphenylamine	ug/Kg	370	U	390	U	370	U	370	U
SW8270	Naphthalene	ug/Kg	370	U	390	U	370	U	370	U
SW8270	Nitrobenzene	ug/Kg	370	UJ	390	UJ	370	UJ	370	UJ
SW8270	Pentachlorophenol	ug/Kg	760	UJ	790	UJ	760	UJ	730	J
SW8270	Phenanthrene	ug/Kg	95	J	94	J	370	U	75	J
SW8270	Phenol	ug/Kg	370	U	390	U	370	U	370	U
SW8270	Pyrene	ug/Kg	370	U	390	U	370	U	100	J
SW8081	4,4'-DDD	ug/Kg	3.8	UJ	3.9	UJ	3.8	U	4.2	UJ
SW8081	4,4'-DDE	ug/Kg	3.8	UJ	3.9	UJ	3.8	U	3.7	UJ
SW8081	4,4'-DDT	ug/Kg	3.8	UJ	3.9	UJ	3.8	U	7.1	UJ
SW8081	Aldrin	ug/Kg	2	U	2	U	2	U	1.9	U
SW8081	Alpha-BHC	ug/Kg	2	UJ	2	UJ	2	U	1.9	UJ
SW8081	Alpha-Chlordane	ug/Kg	2	U	2	U	2	U	1.9	U
SW8081	Beta-BHC	ug/Kg	2	UJ	2	UJ	2	U	1.9	UJ
SW8081	Delta-BHC	ug/Kg	2	UJ	2	UJ	2	U	1.9	UJ
SW8081	Dieldrin	ug/Kg	3.8	U	3.9	U	3.8	U	3.7	U
SW8081	Endosulfan I	ug/Kg	2	U	2	U	2	U	1.9	U
SW8081	Endosulfan II	ug/Kg	3.8	U	3.9	U	3.8	U	3.7	U
SW8081	Endosulfan sulfate	ug/Kg	3.8	UJ	3.9	UJ	3.8	U	6	UJ
SW8081	Endrin	ug/Kg	3.8	UJ	3.9	UJ	3.8	U	3.7	UJ
SW8081	Endrin aldehyde	ug/Kg	3.8	UJ	3.9	UJ	3.8	U	3.7	UJ
SW8081	Endrin ketone	ug/Kg	3.8	UJ	3.9	UJ	3.8	U	3.7	UJ
SW8081	Gamma-BHC/Lindane	ug/Kg	2	UJ	2	UJ	2	U	1.9	UJ
SW8081	Gamma-Chlordane	ug/Kg	2	U	2	U	2	U	1.9	U
SW8081	Heptachlor	ug/Kg	2	U	2	U	2	U	1.9	U
SW8081	Heptachlor epoxide	ug/Kg	2	U	2	U	2	U	1.9	U
SW8081	Methoxychlor	ug/Kg	20	U	20	U	20	U	19	U
SW8081	Toxaphene	ug/Kg	200	U	200	U	200	U	190	U
SW8082	Aroclor-1016	ug/Kg	38	U	39	U	38	U	37	U
SW8082	Aroclor-1221	ug/Kg	38	U	39	U	38	U	37	U
SW8082	Aroclor-1232	ug/Kg	38	U	39	U	38	U	37	U
SW8082	Aroclor-1242	ug/Kg	38	U	39	U	38	U	37	U
SW8082	Aroclor-1248	ug/Kg	38	U	39	U	38	U	37	U
SW8082	Aroclor-1254	ug/Kg	38	U	39	U	38	U	37	U
SW8082	Aroclor-1260	ug/Kg	38	U	39	U	38	U	39	
SW8082	Aroclor-1262	ug/Kg	38	U	39	U	38	U	37	U
SW8082	Aroclor-1268	ug/Kg	38	U	39	U	38	U	37	U
SW6010	Aluminum	mg/Kg								
SW6010	Antimony	mg/Kg								
SW6010	Arsenic	mg/Kg								
SW6010	Barium	mg/Kg								
SW6010	Beryllium	mg/Kg								
SW6010	Cadmium	mg/Kg								
SW6010	Calcium	mg/Kg								
SW6010	Chromium	mg/Kg								
SW6010	Cobalt	mg/Kg								
SW6010	Copper	mg/Kg								

Table 2 - Results Summary
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

		Sample Delivery Group	M1908		M1908		M1908		M1908	
		Location	DP-10		DP-10		DP-10		DP-11	
		Sample Date	10/2/2013		10/2/2013		10/2/2013		10/2/2013	
		Sample ID	401003-DP010008		401003-DP010008D		401003-DP010016		401003-DP011008	
		Qc Code	FS		FD		FS		FS	
Analysis	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW6010	Iron	mg/Kg								
SW6010	Lead	mg/Kg								
SW6010	Magnesium	mg/Kg								
SW6010	Manganese	mg/Kg								
SW6010	Molybdenum	mg/Kg								
SW6010	Nickel	mg/Kg								
SW6010	Potassium	mg/Kg								
SW6010	Selenium	mg/Kg								
SW6010	Silver	mg/Kg								
SW6010	Sodium	mg/Kg								
SW6010	Thallium	mg/Kg								
SW6010	Vanadium	mg/Kg								
SW6010	Zinc	mg/Kg								
ASTMD2216	Percent Moisture	PERCENT	15		16		14		12	
LLOYDKAHN	Total Organic Carbon	mg/Kg								
SW7471	Mercury	mg/Kg								
SW9045	pH	PH UNITS	8.5		8.1		8.6		7.3	
SW7199	Chromium, Hexavalent	mg/kg	0.12	J	2.3		0.66		9.05	
TPH	ETPH	mg/Kg								

Notes:
mg/kg = milligram per kilogram
ug/kg = microgram per kilogram
Qualifiers
U = Not detected
J = result is estimated
R = result rejected
NJ = concentration is estimated and the presence of the analyte has been tentatively identified

Table 2 - Results Summary
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

		Sample Delivery Group	M1908		M1908		M1908		M1908	
		Location	DP-11		DP-12		DP-12		DP-13	
		Sample Date	10/2/2013		10/2/2013		10/2/2013		10/2/2013	
		Sample ID	401003-DP011016		401003-DP012004		401003-DP012016		401003-DP013008	
		Qc Code	FS		FS		FS		FS	
Analysis	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8260	1,1,1-Trichloroethane	ug/Kg	4.9	U	5.1	U	58	UJ	4.5	U
SW8260	1,1,2,2-Tetrachloroethane	ug/Kg	4.9	U	5.1	U	58	UJ	4.5	U
SW8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/Kg	4.9	U	5.1	U	58	U	4.5	UJ
SW8260	1,1,2-Trichloroethane	ug/Kg	4.9	U	5.1	U	58	U	4.5	U
SW8260	1,1-Dichloroethane	ug/Kg	4.9	U	5.1	U	58	U	4.5	U
SW8260	1,1-Dichloroethene	ug/Kg	4.9	U	5.1	U	58	U	4.5	U
SW8260	1,2,3-Trichlorobenzene	ug/Kg	4.9	U	5.1	U	58	U	4.5	U
SW8260	1,2,4-Trichlorobenzene	ug/Kg	4.9	U	5.1	U	58	U	4.5	U
SW8260	1,2-Dibromo-3-chloropropane	ug/Kg	4.9	U	5.1	U	58	U	4.5	U
SW8260	1,2-Dibromoethane	ug/Kg	4.9	U	5.1	U	58	U	4.5	U
SW8260	1,2-Dichlorobenzene	ug/Kg	4.9	U	5.1	U	58	U	4.5	U
SW8260	1,2-Dichloroethane	ug/Kg	4.9	U	5.1	U	58	U	4.5	U
SW8260	1,2-Dichloropropane	ug/Kg	4.9	U	5.1	U	58	U	4.5	U
SW8260	1,3-Dichlorobenzene	ug/Kg	4.9	U	5.1	U	58	U	4.5	U
SW8260	1,4-Dichlorobenzene	ug/Kg	4.9	U	5.1	U	58	U	4.5	U
SW8260	1,4-Dioxane	ug/Kg		R		R		R		R
SW8260	2-Butanone	ug/Kg		R		R		R		R
SW8260	2-Hexanone	ug/Kg	4.9	UJ	5.1	UJ	290	U	4.5	UJ
SW8260	4-Methyl-2-pentanone	ug/Kg	4.9	U	5.1	U	290	U	4.5	U
SW8260	Acetic acid, methyl ester	ug/Kg	4.9	U	5.1	U	58	U	4.5	U
SW8260	Acetone	ug/Kg		R		R	290	U	4.5	U
SW8260	Benzene	ug/Kg	4.9	U	5.1	U	58	U	4.5	U
SW8260	Bromochloromethane	ug/Kg	4.9	U	5.1	U	58	U	4.5	U
SW8260	Bromodichloromethane	ug/Kg	4.9	U	5.1	U	58	UJ	4.5	U
SW8260	Bromoform	ug/Kg	4.9	U	5.1	U	58	U	4.5	U
SW8260	Bromomethane	ug/Kg	4.9	U	5.1	U	58	UJ	4.5	U
SW8260	Carbon disulfide	ug/Kg	4.9	U	5.1	U	58	U	4.5	U
SW8260	Carbon tetrachloride	ug/Kg	4.9	U	5.1	U	58	UJ	4.5	U
SW8260	Chlorobenzene	ug/Kg	4.9	U	5.1	U	58	U	4.5	U
SW8260	Chlorodibromomethane	ug/Kg	4.9	U	5.1	U	58	U	4.5	U
SW8260	Chloroethane	ug/Kg	4.9	U	5.1	U	58	U	4.5	U
SW8260	Chloroform	ug/Kg	4.9	U	5.1	U	58	U	4.5	U
SW8260	Chloromethane	ug/Kg	4.9	U	5.1	U	58	U	4.5	U
SW8260	Cis-1,2-Dichloroethene	ug/Kg	4.9	U	5.1	U	58	U	4.5	U
SW8260	cis-1,3-Dichloropropene	ug/Kg	4.9	U	5.1	U	58	UJ	4.5	U
SW8260	Cyclohexane	ug/Kg	4.9	UJ	5.1	UJ	58	U	4.5	U
SW8260	Dichlorodifluoromethane	ug/Kg	4.9	U	5.1	U	58	UJ	4.5	U
SW8260	Ethyl benzene	ug/Kg	4.9	U	5.1	U	58	U	4.5	U
SW8260	Isopropylbenzene	ug/Kg	4.9	U	5.1	U	1200		4.5	U
SW8260	Methyl cyclohexane	ug/Kg	4.9	UJ	5.1	UJ	170		4.5	U
SW8260	Methyl Tertbutyl Ether	ug/Kg	4.9	U	5.1	U	58	U	4.5	U
SW8260	Methylene chloride	ug/Kg	4.9	UJ	5.1	UJ	58	U	4.5	UJ
SW8260	Styrene	ug/Kg	4.9	U	5.1	U	58	U	4.5	U
SW8260	Tetrachloroethene	ug/Kg	4.9	U	5.1	U	58	U	4.5	U
SW8260	Toluene	ug/Kg	4.9	U	5.1	U	58	U	4.5	U
SW8260	trans-1,2-Dichloroethene	ug/Kg	4.9	U	5.1	U	58	U	4.5	U
SW8260	trans-1,3-Dichloropropene	ug/Kg	4.9	U	5.1	U	58	UJ	4.5	U
SW8260	Trichloroethene	ug/Kg	4.9	U	5.1	U	58	U	4.5	U
SW8260	Trichlorofluoromethane	ug/Kg	4.9	UJ	5.1	UJ	58	U	4.5	U
SW8260	Vinyl chloride	ug/Kg	4.9	U	5.1	U	58	U	4.5	U
SW8260	Xylene, o	ug/Kg	4.9	U	5.1	U	58	U	4.5	U
SW8260	Xylenes (m&p)	ug/Kg	4.9	U	5.1	U	58	U	4.5	U
SW8260	Xylenes, Total	ug/Kg	4.9	U	5.1	U	58	U	4.5	U

Table 2 - Results Summary
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

		Sample Delivery Group	M1908		M1908		M1908		M1908	
		Location	DP-11		DP-12		DP-12		DP-13	
		Sample Date	10/2/2013		10/2/2013		10/2/2013		10/2/2013	
		Sample ID	401003-DP011016		401003-DP012004		401003-DP012016		401003-DP013008	
		Qc Code	FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8270	1,2,4,5-Tetrachlorobenzene	ug/Kg	370	U	370	U	R		380	U
SW8270	2,4,5-Trichlorophenol	ug/Kg	750	U	750	U	R		780	U
SW8270	2,4,6-Trichlorophenol	ug/Kg	370	U	370	U	R		380	U
SW8270	2,4-Dichlorophenol	ug/Kg	370	U	370	U	R		380	U
SW8270	2,4-Dimethylphenol	ug/Kg	370	UJ	370	U	R		380	UJ
SW8270	2,4-Dinitrophenol	ug/Kg	750	UJ	750	UJ	R		780	UJ
SW8270	2,4-Dinitrotoluene	ug/Kg	370	U	370	U	R		380	U
SW8270	2,6-Dinitrotoluene	ug/Kg	370	U	370	U	R		380	U
SW8270	2-Chloronaphthalene	ug/Kg	370	U	370	U	R		380	U
SW8270	2-Chlorophenol	ug/Kg	370	U	370	U	R		380	U
SW8270	2-Methylnaphthalene	ug/Kg	370	U	370	U	R		380	U
SW8270	2-Methylphenol	ug/Kg	370	U	370	U	R		380	U
SW8270	2-Nitroaniline	ug/Kg	750	UJ	750	U	R		780	UJ
SW8270	2-Nitrophenol	ug/Kg	370	U	370	U	R		380	U
SW8270	3,3'-Dichlorobenzidine	ug/Kg	370	UJ	370	U	R		380	UJ
SW8270	3-Nitroaniline	ug/Kg	750	U	750	U	R		780	U
SW8270	4,6-Dinitro-2-methylphenol	ug/Kg	750	UJ	750	UJ	R		780	UJ
SW8270	4-Bromophenyl phenyl ether	ug/Kg	370	U	370	U	R		380	U
SW8270	4-Chloro-3-methylphenol	ug/Kg	370	U	370	U	R		380	U
SW8270	4-Chloroaniline	ug/Kg	370	UJ	370	U	R		380	UJ
SW8270	4-Chlorophenyl phenyl ether	ug/Kg	370	U	370	U	R		380	U
SW8270	4-Methylphenol	ug/Kg	370	U	370	U	R		380	U
SW8270	4-Nitroaniline	ug/Kg	750	U	750	U	R		780	U
SW8270	4-Nitrophenol	ug/Kg	750	U	750	U	R		780	U
SW8270	Acenaphthene	ug/Kg	370	U	370	U	R		380	U
SW8270	Acenaphthylene	ug/Kg	370	U	370	U	R		380	U
SW8270	Acetophenone	ug/Kg	370	U	370	U	R		380	U
SW8270	Anthracene	ug/Kg	370	U	370	U	R		380	U
SW8270	Atrazine	ug/Kg	370	U	370	U	R		380	U
SW8270	Benzaldehyde	ug/Kg	370	UJ	370	UJ	R		380	UJ
SW8270	Benzo(a)anthracene	ug/Kg	370	U	160	J	R		380	U
SW8270	Benzo(a)pyrene	ug/Kg	370	U	170	J	R		380	U
SW8270	Benzo(b)fluoranthene	ug/Kg	370	U	210	J	R		380	U
SW8270	Benzo(ghi)perylene	ug/Kg	370	U	120	J	R		380	U
SW8270	Benzo(k)fluoranthene	ug/Kg	370	U	150	J	R		380	UJ
SW8270	Biphenyl	ug/Kg	370	U	370	U	R		380	U
SW8270	Bis(2-Chloroethoxy)methane	ug/Kg	370	U	370	U	R		380	U
SW8270	Bis(2-Chloroethyl)ether	ug/Kg	370	U	370	U	R		380	U
SW8270	Bis(2-Chloroisopropyl)ether	ug/Kg	370	UJ	370	UJ	R		380	UJ
SW8270	Bis(2-Ethylhexyl)phthalate	ug/Kg	75	J	370	U	R		380	U
SW8270	Butylbenzylphthalate	ug/Kg	370	U	370	U	R		380	U
SW8270	Caprolactam	ug/Kg	370	U	370	U	R		380	U
SW8270	Carbazole	ug/Kg	370	U	370	U	R		380	U
SW8270	Chrysene	ug/Kg	370	U	220	J	R		380	U
SW8270	Di-n-butylphthalate	ug/Kg	370	U	370	U	R		380	U
SW8270	Di-n-octylphthalate	ug/Kg	370	U	370	U	R		380	U
SW8270	Dibenz(a,h)anthracene	ug/Kg	370	U	370	U	R		380	U
SW8270	Dibenzofuran	ug/Kg	370	U	370	U	R		380	U
SW8270	Diethylphthalate	ug/Kg	370	U	370	U	R		380	U
SW8270	Dimethylphthalate	ug/Kg	370	U	370	U	R		380	U
SW8270	Fluoranthene	ug/Kg	370	U	290	J	R		130	J
SW8270	Fluorene	ug/Kg	370	U	370	U	R		380	U
SW8270	Hexachlorobenzene	ug/Kg	370	U	370	U	R		380	U

Table 2 - Results Summary
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

		Sample Delivery Group	M1908		M1908		M1908		M1908	
		Location	DP-11		DP-12		DP-12		DP-13	
		Sample Date	10/2/2013		10/2/2013		10/2/2013		10/2/2013	
		Sample ID	401003-DP011016		401003-DP012004		401003-DP012016		401003-DP013008	
		Qc Code	FS		FS		FS		FS	
Analysis	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8270	Hexachlorobutadiene	ug/Kg	370	U	370	U		R	380	U
SW8270	Hexachlorocyclopentadiene	ug/Kg	370	U	370	U		R	380	U
SW8270	Hexachloroethane	ug/Kg	370	U	370	U		R	380	U
SW8270	Indeno(1,2,3-cd)pyrene	ug/Kg	370	U	110	J		R	380	U
SW8270	Isophorone	ug/Kg	370	U	370	U		R	380	U
SW8270	N-Nitrosodi-n-propylamine	ug/Kg	370	U	370	U		R	380	U
SW8270	N-Nitrosodiphenylamine	ug/Kg	370	U	370	U		R	380	U
SW8270	Naphthalene	ug/Kg	370	U	370	U		R	95	J
SW8270	Nitrobenzene	ug/Kg	370	UJ	370	U		R	380	UJ
SW8270	Pentachlorophenol	ug/Kg	210	J	750	U		R	780	UJ
SW8270	Phenanthrene	ug/Kg	370	U	220	J		R	180	J
SW8270	Phenol	ug/Kg	370	U	370	U		R	380	U
SW8270	Pyrene	ug/Kg	370	U	260	J		R	120	J
SW8081	4,4'-DDD	ug/Kg	3.8	UJ	3.7	UJ	3.8	UJ	3.9	UJ
SW8081	4,4'-DDE	ug/Kg	3.8	UJ	3.7	UJ	3.8	UJ	3.9	UJ
SW8081	4,4'-DDT	ug/Kg	3.8	UJ	7.6	UJ	3.8	UJ	3.9	UJ
SW8081	Aldrin	ug/Kg	1.9	U	1.9	U	2	U	2	U
SW8081	Alpha-BHC	ug/Kg	1.9	UJ	1.9	UJ	2	UJ	2	UJ
SW8081	Alpha-Chlordane	ug/Kg	1.9	U	2.2	U	2	U	2	U
SW8081	Beta-BHC	ug/Kg	1.9	UJ	1.9	UJ	2	UJ	2	UJ
SW8081	Delta-BHC	ug/Kg	1.9	UJ	1.9	UJ	2	UJ	2	UJ
SW8081	Dieldrin	ug/Kg	3.8	U	3.7	U	3.8	U	3.9	U
SW8081	Endosulfan I	ug/Kg	1.9	U	1.9	U	2	U	2	U
SW8081	Endosulfan II	ug/Kg	3.8	U	3.7	U	3.8	U	3.9	U
SW8081	Endosulfan sulfate	ug/Kg	3.8	UJ	3.7	UJ	3.8	UJ	3.9	UJ
SW8081	Endrin	ug/Kg	3.8	UJ	3.7	UJ	3.8	UJ	3.9	UJ
SW8081	Endrin aldehyde	ug/Kg	3.8	UJ	3.7	UJ	3.8	UJ	3.9	UJ
SW8081	Endrin ketone	ug/Kg	3.8	UJ	3.7	UJ	3.8	UJ	3.9	UJ
SW8081	Gamma-BHC/Lindane	ug/Kg	1.9	UJ	1.9	UJ	2	UJ	2	UJ
SW8081	Gamma-Chlordane	ug/Kg	1.9	U	1.9	U	2	U	2	U
SW8081	Heptachlor	ug/Kg	1.9	U	1.9	U	2	U	2	U
SW8081	Heptachlor epoxide	ug/Kg	1.9	U	1.9	U	2	U	2	U
SW8081	Methoxychlor	ug/Kg	19	U	19	U	20	U	20	U
SW8081	Toxaphene	ug/Kg	190	U	190	U	200	U	200	U
SW8082	Aroclor-1016	ug/Kg	38	U	37	U	38	U	39	U
SW8082	Aroclor-1221	ug/Kg	38	U	37	U	38	U	39	U
SW8082	Aroclor-1232	ug/Kg	38	U	37	U	38	U	39	U
SW8082	Aroclor-1242	ug/Kg	38	U	37	U	38	U	39	U
SW8082	Aroclor-1248	ug/Kg	38	U	37	U	38	U	39	U
SW8082	Aroclor-1254	ug/Kg	38	U	37	U	38	U	39	U
SW8082	Aroclor-1260	ug/Kg	38	U	17	NJ	38	U	39	U
SW8082	Aroclor-1262	ug/Kg	38	U	37	U	38	U	39	U
SW8082	Aroclor-1268	ug/Kg	38	U	37	U	38	U	39	U
SW6010	Aluminum	mg/Kg								
SW6010	Antimony	mg/Kg								
SW6010	Arsenic	mg/Kg								
SW6010	Barium	mg/Kg								
SW6010	Beryllium	mg/Kg								
SW6010	Cadmium	mg/Kg								
SW6010	Calcium	mg/Kg								
SW6010	Chromium	mg/Kg								
SW6010	Cobalt	mg/Kg								
SW6010	Copper	mg/Kg								

Table 2 - Results Summary
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

		Sample Delivery Group	M1908		M1908		M1908		M1908	
		Location	DP-11		DP-12		DP-12		DP-13	
		Sample Date	10/2/2013		10/2/2013		10/2/2013		10/2/2013	
		Sample ID	401003-DP011016		401003-DP012004		401003-DP012016		401003-DP013008	
		Qc Code	FS		FS		FS		FS	
Analysis	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW6010	Iron	mg/Kg								
SW6010	Lead	mg/Kg								
SW6010	Magnesium	mg/Kg								
SW6010	Manganese	mg/Kg								
SW6010	Molybdenum	mg/Kg								
SW6010	Nickel	mg/Kg								
SW6010	Potassium	mg/Kg								
SW6010	Selenium	mg/Kg								
SW6010	Silver	mg/Kg								
SW6010	Sodium	mg/Kg								
SW6010	Thallium	mg/Kg								
SW6010	Vanadium	mg/Kg								
SW6010	Zinc	mg/Kg								
ASTMD2216	Percent Moisture	PERCENT	13		12		14		16	
LLOYDKAHN	Total Organic Carbon	mg/Kg								
SW7471	Mercury	mg/Kg								
SW9045	pH	PH UNITS	7.3		7.7		7.3		7.9	
SW7199	Chromium, Hexavalent	mg/kg	0.3	J	3.69		0.47	U	5.2	
TPH	ETPH	mg/Kg								

Notes:
mg/kg = milligram per kilogram
ug/kg = microgram per kilogram
Qualifiers
U = Not detected
J = result is estimated
R = result rejected
NJ = concentration is estimated and the presence of the analyte has been tentatively identified

Table 2 - Results Summary
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

		Sample Delivery Group	M1908		M1908		M1908		M1908	
		Location	DP-13		DP-14		DP-14		DP-15	
		Sample Date	10/2/2013		10/2/2013		10/2/2013		10/3/2013	
		Sample ID	401003-DP013016		401003-DP014004		401003-DP014016		401003-DP015004	
		Qc Code	FS		FS		FS		FS	
Analysis	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8260	1,1,1-Trichloroethane	ug/Kg	55	UJ	5.5	U	4.9	U	6.2	U
SW8260	1,1,2,2-Tetrachloroethane	ug/Kg	55	UJ	5.5	U	4.9	UJ	6.2	U
SW8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/Kg	55	U	5.5	UJ	4.9	UJ	6.2	UJ
SW8260	1,1,2-Trichloroethane	ug/Kg	55	U	5.5	U	4.9	U	6.2	U
SW8260	1,1-Dichloroethane	ug/Kg	55	U	5.5	U	4.9	U	6.2	U
SW8260	1,1-Dichloroethene	ug/Kg	55	U	5.5	U	4.9	U	6.2	U
SW8260	1,2,3-Trichlorobenzene	ug/Kg	55	U	5.5	U	4.9	UJ	6.2	U
SW8260	1,2,4-Trichlorobenzene	ug/Kg	55	U	5.5	U	4.9	UJ	6.2	U
SW8260	1,2-Dibromo-3-chloropropane	ug/Kg	55	U	5.5	U	4.9	UJ	6.2	U
SW8260	1,2-Dibromoethane	ug/Kg	55	U	5.5	U	4.9	UJ	6.2	U
SW8260	1,2-Dichlorobenzene	ug/Kg	55	U	5.5	U	4.9	UJ	6.2	U
SW8260	1,2-Dichloroethane	ug/Kg	55	U	5.5	U	4.9	U	6.2	U
SW8260	1,2-Dichloropropane	ug/Kg	55	U	5.5	U	4.9	U	6.2	U
SW8260	1,3-Dichlorobenzene	ug/Kg	55	U	5.5	U	4.9	UJ	6.2	U
SW8260	1,4-Dichlorobenzene	ug/Kg	55	U	5.5	U	4.9	UJ	6.2	U
SW8260	1,4-Dioxane	ug/Kg		R		R		R		R
SW8260	2-Butanone	ug/Kg		R		R	9.3	J		R
SW8260	2-Hexanone	ug/Kg	280	U	5.5	UJ	4.9	UJ	6.2	UJ
SW8260	4-Methyl-2-pentanone	ug/Kg	280	U	5.5	U	4.9	U	6.2	U
SW8260	Acetic acid, methyl ester	ug/Kg	55	U	5.5	U	4.9	U	6.2	U
SW8260	Acetone	ug/Kg	280	U	5.5	U	31	J	6.2	U
SW8260	Benzene	ug/Kg	55	U	5.5	U	4.9	U	6.2	U
SW8260	Bromochloromethane	ug/Kg	55	U	5.5	U	4.9	U	6.2	U
SW8260	Bromodichloromethane	ug/Kg	55	UJ	5.5	U	4.9	UJ	6.2	U
SW8260	Bromoform	ug/Kg	55	U	5.5	U	4.9	UJ	6.2	U
SW8260	Bromomethane	ug/Kg	55	UJ	5.5	U	4.9	U	6.2	U
SW8260	Carbon disulfide	ug/Kg	55	U	5.5	U	4.9	U	6.2	U
SW8260	Carbon tetrachloride	ug/Kg	55	UJ	5.5	U	4.9	U	6.2	U
SW8260	Chlorobenzene	ug/Kg	55	U	5.5	U	4.9	UJ	6.2	U
SW8260	Chlorodibromomethane	ug/Kg	55	U	5.5	U	4.9	U	6.2	U
SW8260	Chloroethane	ug/Kg	55	U	5.5	U	4.9	U	6.2	U
SW8260	Chloroform	ug/Kg	55	U	5.5	U	4.9	U	6.2	U
SW8260	Chloromethane	ug/Kg	55	U	5.5	U	4.9	U	6.2	U
SW8260	Cis-1,2-Dichloroethene	ug/Kg	55	U	5.5	U	4.9	U	6.2	U
SW8260	cis-1,3-Dichloropropene	ug/Kg	55	UJ	5.5	U	4.9	U	6.2	U
SW8260	Cyclohexane	ug/Kg	55	U	5.5	U	4.9	U	6.2	U
SW8260	Dichlorodifluoromethane	ug/Kg	55	UJ	5.5	U	4.9	U	6.2	U
SW8260	Ethyl benzene	ug/Kg	55	U	5.5	U	3.9	J	6.2	U
SW8260	Isopropylbenzene	ug/Kg	750		5.5	U	49	J	6.2	U
SW8260	Methyl cyclohexane	ug/Kg	170		5.5	U	26	J	6.2	U
SW8260	Methyl Tertbutyl Ether	ug/Kg	55	U	5.5	U	4.9	U	6.2	U
SW8260	Methylene chloride	ug/Kg	55	U	5.5	UJ	4.9	UJ	6.2	UJ
SW8260	Styrene	ug/Kg	55	U	5.5	U	4.9	UJ	6.2	U
SW8260	Tetrachloroethene	ug/Kg	55	U	5.5	U	3.1	J	6.2	U
SW8260	Toluene	ug/Kg	55	U	5.5	U	4.9	U	6.2	U
SW8260	trans-1,2-Dichloroethene	ug/Kg	55	U	5.5	U	4.9	U	6.2	U
SW8260	trans-1,3-Dichloropropene	ug/Kg	55	UJ	5.5	U	4.9	U	6.2	U
SW8260	Trichloroethene	ug/Kg	55	U	5.5	U	4.9	U	6.2	U
SW8260	Trichlorofluoromethane	ug/Kg	55	U	5.5	U	4.9	U	6.2	U
SW8260	Vinyl chloride	ug/Kg	55	U	5.5	U	4.9	U	6.2	U
SW8260	Xylene, o	ug/Kg	55	U	5.5	U	10	J	6.2	U
SW8260	Xylenes (m&p)	ug/Kg	55	U	5.5	U	9.7	J	6.2	U
SW8260	Xylenes, Total	ug/Kg	55	U	5.5	U	20	J	6.2	U

Table 2 - Results Summary
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

		Sample Delivery Group	M1908		M1908		M1908		M1908	
		Location	DP-13		DP-14		DP-14		DP-15	
		Sample Date	10/2/2013		10/2/2013		10/2/2013		10/3/2013	
		Sample ID	401003-DP013016		401003-DP014004		401003-DP014016		401003-DP015004	
		Qc Code	FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8270	1,2,4,5-Tetrachlorobenzene	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	2,4,5-Trichlorophenol	ug/Kg	750	UJ	710	U	760	U	710	U
SW8270	2,4,6-Trichlorophenol	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	2,4-Dichlorophenol	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	2,4-Dimethylphenol	ug/Kg	370	UJ	350	UJ	370	UJ	350	U
SW8270	2,4-Dinitrophenol	ug/Kg	750	UJ	710	UJ	760	UJ	710	UJ
SW8270	2,4-Dinitrotoluene	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	2,6-Dinitrotoluene	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	2-Chloronaphthalene	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	2-Chlorophenol	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	2-Methylnaphthalene	ug/Kg	2300		350	U	370	U	350	U
SW8270	2-Methylphenol	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	2-Nitroaniline	ug/Kg	750	UJ	710	UJ	760	UJ	710	UJ
SW8270	2-Nitrophenol	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	3,3'-Dichlorobenzidine	ug/Kg	370	UJ	350	UJ	370	UJ	350	U
SW8270	3-Nitroaniline	ug/Kg	750	UJ	710	U	760	U	710	U
SW8270	4,6-Dinitro-2-methylphenol	ug/Kg	750	UJ	710	UJ	760	UJ	710	UJ
SW8270	4-Bromophenyl phenyl ether	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	4-Chloro-3-methylphenol	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	4-Chloroaniline	ug/Kg	370	UJ	350	UJ	370	UJ	350	U
SW8270	4-Chlorophenyl phenyl ether	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	4-Methylphenol	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	4-Nitroaniline	ug/Kg	750	UJ	710	U	760	U	710	U
SW8270	4-Nitrophenol	ug/Kg	750	UJ	710	U	760	U	710	U
SW8270	Acenaphthene	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	Acenaphthylene	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	Acetophenone	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	Anthracene	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	Atrazine	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	Benzaldehyde	ug/Kg	370	UJ	350	UJ	370	UJ	350	UJ
SW8270	Benzo(a)anthracene	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	Benzo(a)pyrene	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	Benzo(b)fluoranthene	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	Benzo(ghi)perylene	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	Benzo(k)fluoranthene	ug/Kg	370	UJ	350	UJ	370	UJ	350	UJ
SW8270	Biphenyl	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	Bis(2-Chloroethoxy)methane	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	Bis(2-Chloroethyl)ether	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	Bis(2-Chloroisopropyl)ether	ug/Kg	370	UJ	350	UJ	370	UJ	350	UJ
SW8270	Bis(2-Ethylhexyl)phthalate	ug/Kg	140	J	130	J	160		350	U
SW8270	Butylbenzylphthalate	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	Caprolactam	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	Carbazole	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	Chrysene	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	Di-n-butylphthalate	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	Di-n-octylphthalate	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	Dibenz(a,h)anthracene	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	Dibenzofuran	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	Diethylphthalate	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	Dimethylphthalate	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	Fluoranthene	ug/Kg	370	UJ	98	J	370	U	350	U
SW8270	Fluorene	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	Hexachlorobenzene	ug/Kg	370	UJ	350	U	370	U	350	U

Table 2 - Results Summary
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

		Sample Delivery Group	M1908		M1908		M1908		M1908	
		Location	DP-13		DP-14		DP-14		DP-15	
		Sample Date	10/2/2013		10/2/2013		10/2/2013		10/3/2013	
		Sample ID	401003-DP013016		401003-DP014004		401003-DP014016		401003-DP015004	
		Qc Code	FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8270	Hexachlorobutadiene	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	Hexachlorocyclopentadiene	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	Hexachloroethane	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	Indeno(1,2,3-cd)pyrene	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	Isophorone	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	N-Nitrosodi-n-propylamine	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	N-Nitrosodiphenylamine	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	Naphthalene	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	Nitrobenzene	ug/Kg	370	UJ	350	UJ	370	UJ	350	UJ
SW8270	Pentachlorophenol	ug/Kg	750	UJ	710	UJ	760	UJ	710	U
SW8270	Phenanthrene	ug/Kg	370	UJ	350	U	1300		350	U
SW8270	Phenol	ug/Kg	370	UJ	350	U	370	U	350	U
SW8270	Pyrene	ug/Kg	680		80	J	150		350	U
SW8081	4,4'-DDD	ug/Kg	3.7	UJ	6.1	UJ	3.7	UJ	3.5	UJ
SW8081	4,4'-DDE	ug/Kg	3.7	UJ	3.5	UJ	3.7	UJ	3.5	UJ
SW8081	4,4'-DDT	ug/Kg	3.7	UJ	13	UJ	3.7	UJ	3.5	UJ
SW8081	Aldrin	ug/Kg	1.9	U	1.8	U	1.9	U	1.8	U
SW8081	Alpha-BHC	ug/Kg	1.9	UJ	1.8	UJ	1.9	UJ	1.8	UJ
SW8081	Alpha-Chlordane	ug/Kg	1.9	U	1.8	U	1.9	U	1.8	U
SW8081	Beta-BHC	ug/Kg	1.9	UJ	1.8	UJ	1.9	UJ	1.8	UJ
SW8081	Delta-BHC	ug/Kg	1.9	UJ	4.3	UJ	1.9	UJ	1.8	UJ
SW8081	Dieldrin	ug/Kg	3.7	U	3.5	U	3.7	U	3.5	U
SW8081	Endosulfan I	ug/Kg	1.9	U	1.8	U	1.9	U	1.8	U
SW8081	Endosulfan II	ug/Kg	3.7	U	3.5	U	3.7	U	3.5	U
SW8081	Endosulfan sulfate	ug/Kg	3.7	UJ	5.8	UJ	3.7	UJ	3.5	UJ
SW8081	Endrin	ug/Kg	3.7	UJ	3.5	UJ	3.7	UJ	3.5	UJ
SW8081	Endrin aldehyde	ug/Kg	3.7	UJ	3.5	UJ	3.7	UJ	3.5	UJ
SW8081	Endrin ketone	ug/Kg	3.7	UJ	3.5	UJ	3.7	UJ	3.5	UJ
SW8081	Gamma-BHC/Lindane	ug/Kg	1.9	UJ	1.8	UJ	1.9	UJ	1.8	UJ
SW8081	Gamma-Chlordane	ug/Kg	1.9	U	1.8	U	1.9	U	1.8	U
SW8081	Heptachlor	ug/Kg	1.9	U	1.8	U	1.9	U	1.8	U
SW8081	Heptachlor epoxide	ug/Kg	1.9	U	1.8	U	1.9	U	1.8	U
SW8081	Methoxychlor	ug/Kg	19	U	18	U	19	U	18	U
SW8081	Toxaphene	ug/Kg	190	U	180	U	190	U	180	U
SW8082	Aroclor-1016	ug/Kg	37	U	35	U	37	U	35	U
SW8082	Aroclor-1221	ug/Kg	37	U	35	U	37	U	35	U
SW8082	Aroclor-1232	ug/Kg	37	U	35	U	37	U	35	U
SW8082	Aroclor-1242	ug/Kg	37	U	35	U	37	U	35	U
SW8082	Aroclor-1248	ug/Kg	37	U	81		37	U	35	U
SW8082	Aroclor-1254	ug/Kg	37	U	35	U	37	U	35	U
SW8082	Aroclor-1260	ug/Kg	37	U	39	J	37	U	35	U
SW8082	Aroclor-1262	ug/Kg	37	U	35	U	37	U	35	U
SW8082	Aroclor-1268	ug/Kg	37	U	35	U	37	U	35	U
SW6010	Aluminum	mg/Kg								
SW6010	Antimony	mg/Kg								
SW6010	Arsenic	mg/Kg								
SW6010	Barium	mg/Kg								
SW6010	Beryllium	mg/Kg								
SW6010	Cadmium	mg/Kg								
SW6010	Calcium	mg/Kg								
SW6010	Chromium	mg/Kg								
SW6010	Cobalt	mg/Kg								
SW6010	Copper	mg/Kg								

Table 2 - Results Summary
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

		Sample Delivery Group	M1908		M1908		M1908		M1908	
		Location	DP-13		DP-14		DP-14		DP-15	
		Sample Date	10/2/2013		10/2/2013		10/2/2013		10/3/2013	
		Sample ID	401003-DP013016		401003-DP014004		401003-DP014016		401003-DP015004	
		Qc Code	FS		FS		FS		FS	
Analysis	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW6010	Iron	mg/Kg								
SW6010	Lead	mg/Kg								
SW6010	Magnesium	mg/Kg								
SW6010	Manganese	mg/Kg								
SW6010	Molybdenum	mg/Kg								
SW6010	Nickel	mg/Kg								
SW6010	Potassium	mg/Kg								
SW6010	Selenium	mg/Kg								
SW6010	Silver	mg/Kg								
SW6010	Sodium	mg/Kg								
SW6010	Thallium	mg/Kg								
SW6010	Vanadium	mg/Kg								
SW6010	Zinc	mg/Kg								
ASTMD2216	Percent Moisture	PERCENT	12		7.3	J	12		6.7	J
LLOYDKAHN	Total Organic Carbon	mg/Kg								
SW7471	Mercury	mg/Kg								
SW9045	pH	PH UNITS	6.8		7.5		7.3		7.9	
SW7199	Chromium, Hexavalent	mg/kg	0.46	U	15.8		65.2		5.99	
TPH	ETPH	mg/Kg								

Notes:
mg/kg = milligram per kilogram
ug/kg = microgram per kilogram
Qualifiers
U = Not detected
J = result is estimated
R = result rejected
NJ = concentration is estimated and the presence of the analyte has been tentatively identified

Table 2 - Results Summary
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

		Sample Delivery Group	M1908		M1908		M1908		M1908	
		Location	DP-15		DP-16		DP-16		DP-17	
		Sample Date	10/3/2013		10/3/2013		10/3/2013		10/3/2013	
		Sample ID	401003-DP015016		401003-DP016008		401003-DP016016		401003-DP017008	
		Qc Code	FS		FS		FS		FS	
Analysis	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8260	1,1,1-Trichloroethane	ug/Kg	50	UJ	5.2	U	61	U	4.7	U
SW8260	1,1,2,2-Tetrachloroethane	ug/Kg	50	UJ	5.2	U	61	UJ	4.7	U
SW8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/Kg	50	U	5.2	UJ	61	UJ	4.7	UJ
SW8260	1,1,2-Trichloroethane	ug/Kg	50	U	5.2	U	61	U	4.7	U
SW8260	1,1-Dichloroethane	ug/Kg	50	U	5.2	U	61	U	4.7	U
SW8260	1,1-Dichloroethene	ug/Kg	50	U	5.2	U	61	U	4.7	UJ
SW8260	1,2,3-Trichlorobenzene	ug/Kg	50	U	5.2	U	61	U	4.7	U
SW8260	1,2,4-Trichlorobenzene	ug/Kg	50	U	5.2	U	61	UJ	4.7	U
SW8260	1,2-Dibromo-3-chloropropane	ug/Kg	50	U	5.2	U	61	U	4.7	U
SW8260	1,2-Dibromoethane	ug/Kg	50	U	5.2	U	61	U	4.7	U
SW8260	1,2-Dichlorobenzene	ug/Kg	50	U	5.2	U	61	U	4.7	U
SW8260	1,2-Dichloroethane	ug/Kg	50	U	5.2	U	61	U	4.7	U
SW8260	1,2-Dichloropropane	ug/Kg	50	U	5.2	U	61	UJ	4.7	U
SW8260	1,3-Dichlorobenzene	ug/Kg	50	U	5.2	U	61	U	4.7	U
SW8260	1,4-Dichlorobenzene	ug/Kg	50	U	5.2	U	61	U	4.7	U
SW8260	1,4-Dioxane	ug/Kg		R		R		R		R
SW8260	2-Butanone	ug/Kg		R		R		R		R
SW8260	2-Hexanone	ug/Kg	250	U	5.2	UJ	300	U	4.7	UJ
SW8260	4-Methyl-2-pentanone	ug/Kg	250	U	5.2	U	300	U	4.7	U
SW8260	Acetic acid, methyl ester	ug/Kg	50	U	5.2	U	61	U	4.7	U
SW8260	Acetone	ug/Kg	250	U	5.2	U		R	4.7	U
SW8260	Benzene	ug/Kg	50	U	5.2	U	61	U	4.7	U
SW8260	Bromochloromethane	ug/Kg	50	U	5.2	U	61	U	4.7	U
SW8260	Bromodichloromethane	ug/Kg	50	UJ	5.2	U	61	U	4.7	U
SW8260	Bromoform	ug/Kg	50	U	5.2	U	61	U	4.7	U
SW8260	Bromomethane	ug/Kg	50	UJ	5.2	U	61	UJ	4.7	U
SW8260	Carbon disulfide	ug/Kg	50	U	5.2	U	61	U	4.7	U
SW8260	Carbon tetrachloride	ug/Kg	50	UJ	5.2	U	61	U	4.7	U
SW8260	Chlorobenzene	ug/Kg	50	U	5.2	U	61	U	4.7	U
SW8260	Chlorodibromomethane	ug/Kg	50	U	5.2	U	61	U	4.7	U
SW8260	Chloroethane	ug/Kg	50	U	5.2	U	61	U	4.7	U
SW8260	Chloroform	ug/Kg	50	U	5.2	U	61	U	4.7	U
SW8260	Chloromethane	ug/Kg	50	U	5.2	U	61	U	4.7	U
SW8260	Cis-1,2-Dichloroethene	ug/Kg	50	U	5.2	U	61	U	4.7	U
SW8260	cis-1,3-Dichloropropene	ug/Kg	50	UJ	5.2	U	61	UJ	4.7	U
SW8260	Cyclohexane	ug/Kg	50	U	5.2	U	61	U	4.7	U
SW8260	Dichlorodifluoromethane	ug/Kg	50	UJ	5.2	U	61	UJ	4.7	U
SW8260	Ethyl benzene	ug/Kg	50	U	5.2	U	61	U	4.7	U
SW8260	Isopropylbenzene	ug/Kg	470		5.2	U	48	J	4.7	U
SW8260	Methyl cyclohexane	ug/Kg	100		5.2	U	61	U	4.7	U
SW8260	Methyl Tertbutyl Ether	ug/Kg	50	U	5.2	U	61	U	4.7	U
SW8260	Methylene chloride	ug/Kg	50	U	5.2	UJ	61	U	4.7	UJ
SW8260	Styrene	ug/Kg	50	U	5.2	U	61	U	4.7	U
SW8260	Tetrachloroethene	ug/Kg	50	U	5.2	U	61	U	4.7	U
SW8260	Toluene	ug/Kg	50	U	5.2	U	61	U	4.7	U
SW8260	trans-1,2-Dichloroethene	ug/Kg	50	U	5.2	U	61	UJ	4.7	U
SW8260	trans-1,3-Dichloropropene	ug/Kg	50	UJ	5.2	U	61	U	4.7	U
SW8260	Trichloroethene	ug/Kg	50	U	5.2	U	61	U	4.7	U
SW8260	Trichlorofluoromethane	ug/Kg	50	U	5.2	U	61	UJ	4.7	U
SW8260	Vinyl chloride	ug/Kg	50	U	5.2	U	61	U	4.7	U
SW8260	Xylene, o	ug/Kg	50	U	5.2	U	61	UJ	4.7	U
SW8260	Xylenes (m&p)	ug/Kg	50	U	5.2	U	61	U	4.7	U
SW8260	Xylenes, Total	ug/Kg	50	U	5.2	U	61	U	4.7	U

Table 2 - Results Summary
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

		Sample Delivery Group	M1908		M1908		M1908		M1908	
		Location	DP-15		DP-16		DP-16		DP-17	
		Sample Date	10/3/2013		10/3/2013		10/3/2013		10/3/2013	
		Sample ID	401003-DP015016		401003-DP016008		401003-DP016016		401003-DP017008	
		Qc Code	FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8270	1,2,4,5-Tetrachlorobenzene	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	2,4,5-Trichlorophenol	ug/Kg	730	U	780	U	8200	U	770	U
SW8270	2,4,6-Trichlorophenol	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	2,4-Dichlorophenol	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	2,4-Dimethylphenol	ug/Kg	360	U	380	UJ	4000	U	380	UJ
SW8270	2,4-Dinitrophenol	ug/Kg	730	UJ	780	UJ	8200	UJ	770	UJ
SW8270	2,4-Dinitrotoluene	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	2,6-Dinitrotoluene	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	2-Chloronaphthalene	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	2-Chlorophenol	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	2-Methylnaphthalene	ug/Kg	360	U	380	U	26000		380	U
SW8270	2-Methylphenol	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	2-Nitroaniline	ug/Kg	730	UJ	780	UJ	8200	U	770	UJ
SW8270	2-Nitrophenol	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	3,3'-Dichlorobenzidine	ug/Kg	360	U	380	UJ	4000	U	380	UJ
SW8270	3-Nitroaniline	ug/Kg	730	U	780	U	8200	U	770	U
SW8270	4,6-Dinitro-2-methylphenol	ug/Kg	730	UJ	780	UJ	8200	U	770	UJ
SW8270	4-Bromophenyl phenyl ether	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	4-Chloro-3-methylphenol	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	4-Chloroaniline	ug/Kg	360	U	380	UJ	4000	U	380	UJ
SW8270	4-Chlorophenyl phenyl ether	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	4-Methylphenol	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	4-Nitroaniline	ug/Kg	730	U	780	U	8200	U	770	U
SW8270	4-Nitrophenol	ug/Kg	730	U	780	U	8200	U	770	U
SW8270	Acenaphthene	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	Acenaphthylene	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	Acetophenone	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	Anthracene	ug/Kg	180	J	380	U	1000	J	380	U
SW8270	Atrazine	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	Benzaldehyde	ug/Kg	360	UJ	380	UJ	4000	UJ	380	UJ
SW8270	Benzo(a)anthracene	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	Benzo(a)pyrene	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	Benzo(b)fluoranthene	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	Benzo(ghi)perylene	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	Benzo(k)fluoranthene	ug/Kg	360	UJ	380	U	4000	U	380	U
SW8270	Biphenyl	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	Bis(2-Chloroethoxy)methane	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	Bis(2-Chloroethyl)ether	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	Bis(2-Chloroisopropyl)ether	ug/Kg	360	UJ	380	UJ	4000	UJ	380	UJ
SW8270	Bis(2-Ethylhexyl)phthalate	ug/Kg	85	J	380	U	4000	U	380	U
SW8270	Butylbenzylphthalate	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	Caprolactam	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	Carbazole	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	Chrysene	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	Di-n-butylphthalate	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	Di-n-octylphthalate	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	Dibenz(a,h)anthracene	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	Dibenzofuran	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	Diethylphthalate	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	Dimethylphthalate	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	Fluoranthene	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	Fluorene	ug/Kg	820		380	U	5200	D	380	U
SW8270	Hexachlorobenzene	ug/Kg	360	U	380	U	4000	U	380	U

Table 2 - Results Summary
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

		Sample Delivery Group	M1908		M1908		M1908		M1908	
		Location	DP-15		DP-16		DP-16		DP-17	
		Sample Date	10/3/2013		10/3/2013		10/3/2013		10/3/2013	
		Sample ID	401003-DP015016		401003-DP016008		401003-DP016016		401003-DP017008	
		Qc Code	FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8270	Hexachlorobutadiene	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	Hexachlorocyclopentadiene	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	Hexachloroethane	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	Indeno(1,2,3-cd)pyrene	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	Isophorone	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	N-Nitrosodi-n-propylamine	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	N-Nitrosodiphenylamine	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	Naphthalene	ug/Kg	360	U	380	U	1900	DJ	380	U
SW8270	Nitrobenzene	ug/Kg	360	UJ	380	UJ	4000	U	380	UJ
SW8270	Pentachlorophenol	ug/Kg	730	U	780	UJ	8200	U	770	UJ
SW8270	Phenanthrene	ug/Kg	1000		380	U	10000	D	380	U
SW8270	Phenol	ug/Kg	360	U	380	U	4000	U	380	U
SW8270	Pyrene	ug/Kg	360	U	380	U	4000	U	380	U
SW8081	4,4'-DDD	ug/Kg	3.7	UJ	3.9	UJ	15	UJ	3.8	UJ
SW8081	4,4'-DDE	ug/Kg	3.7	UJ	3.9	UJ	4.1	UJ	3.8	UJ
SW8081	4,4'-DDT	ug/Kg	3.7	UJ	3.9	UJ	4.1	UJ	3.8	UJ
SW8081	Aldrin	ug/Kg	1.9	U	2	U	2.4	UJ	2	U
SW8081	Alpha-BHC	ug/Kg	1.9	UJ	2	UJ	7.5	UJ	2	UJ
SW8081	Alpha-Chlordane	ug/Kg	1.9	U	2	U	2.1	U	2	U
SW8081	Beta-BHC	ug/Kg	1.9	UJ	2	UJ	4.9	UJ	2	UJ
SW8081	Delta-BHC	ug/Kg	1.9	UJ	2	UJ	10	UJ	2	UJ
SW8081	Dieldrin	ug/Kg	3.7	U	3.9	U	5.1	UJ	3.8	U
SW8081	Endosulfan I	ug/Kg	1.9	U	2	U	2.1	U	2	U
SW8081	Endosulfan II	ug/Kg	3.7	U	3.9	U	5.6	UJ	3.8	U
SW8081	Endosulfan sulfate	ug/Kg	3.7	UJ	3.9	UJ	4.1	UJ	3.8	UJ
SW8081	Endrin	ug/Kg	3.7	UJ	3.9	UJ	6.2	UJ	3.8	UJ
SW8081	Endrin aldehyde	ug/Kg	3.7	UJ	3.9	UJ	7.7	UJ	3.8	UJ
SW8081	Endrin ketone	ug/Kg	3.7	UJ	3.9	UJ	4.1	UJ	3.8	UJ
SW8081	Gamma-BHC/Lindane	ug/Kg	1.9	UJ	2	UJ	2.1	UJ	2	UJ
SW8081	Gamma-Chlordane	ug/Kg	1.9	U	2	U	2.1	U	2	U
SW8081	Heptachlor	ug/Kg	1.9	U	2	U	4.9	UJ	2	U
SW8081	Heptachlor epoxide	ug/Kg	1.9	U	2	U	3.5	UJ	2	U
SW8081	Methoxychlor	ug/Kg	19	U	20	U	21	U	20	U
SW8081	Toxaphene	ug/Kg	190	U	200	U	210	U	200	U
SW8082	Aroclor-1016	ug/Kg	37	U	39	U	41	U	38	U
SW8082	Aroclor-1221	ug/Kg	37	U	39	U	41	U	38	U
SW8082	Aroclor-1232	ug/Kg	37	U	39	U	41	U	38	U
SW8082	Aroclor-1242	ug/Kg	37	U	39	U	41	U	38	U
SW8082	Aroclor-1248	ug/Kg	37	U	39	U	41	U	38	U
SW8082	Aroclor-1254	ug/Kg	37	U	39	U	41	U	38	U
SW8082	Aroclor-1260	ug/Kg	37	U	39	U	41	U	38	U
SW8082	Aroclor-1262	ug/Kg	37	U	39	U	41	U	38	U
SW8082	Aroclor-1268	ug/Kg	37	U	39	U	41	U	38	U
SW6010	Aluminum	mg/Kg								
SW6010	Antimony	mg/Kg								
SW6010	Arsenic	mg/Kg								
SW6010	Barium	mg/Kg								
SW6010	Beryllium	mg/Kg								
SW6010	Cadmium	mg/Kg								
SW6010	Calcium	mg/Kg								
SW6010	Chromium	mg/Kg								
SW6010	Cobalt	mg/Kg								
SW6010	Copper	mg/Kg								

Table 2 - Results Summary
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

		Sample Delivery Group	M1908		M1908		M1908		M1908	
		Location	DP-15		DP-16		DP-16		DP-17	
		Sample Date	10/3/2013		10/3/2013		10/3/2013		10/3/2013	
		Sample ID	401003-DP015016		401003-DP016008		401003-DP016016		401003-DP017008	
		Qc Code	FS		FS		FS		FS	
Analysis	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW6010	Iron	mg/Kg								
SW6010	Lead	mg/Kg								
SW6010	Magnesium	mg/Kg								
SW6010	Manganese	mg/Kg								
SW6010	Molybdenum	mg/Kg								
SW6010	Nickel	mg/Kg								
SW6010	Potassium	mg/Kg								
SW6010	Selenium	mg/Kg								
SW6010	Silver	mg/Kg								
SW6010	Sodium	mg/Kg								
SW6010	Thallium	mg/Kg								
SW6010	Vanadium	mg/Kg								
SW6010	Zinc	mg/Kg								
ASTMD2216	Percent Moisture	PERCENT	11		15		19		14	
LLOYDKAHN	Total Organic Carbon	mg/Kg								
SW7471	Mercury	mg/Kg								
SW9045	pH	PH UNITS	7.6		7.5		7		7.5	
SW7199	Chromium, Hexavalent	mg/kg	0.46	U	34.9		0.81		2.22	
TPH	ETPH	mg/Kg					13000			

Notes:
mg/kg = milligram per kilogram
ug/kg = microgram per kilogram
Qualifiers
U = Not detected
J = result is estimated
R = result rejected
NJ = concentration is estimated and the presence of the analyte has been tentatively identified

Table 2 - Results Summary
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

		Sample Delivery Group	M1908		M1908		M1908		M1908	
		Location	DP-17		DP-18		DP-18		DP-19	
		Sample Date	10/3/2013		10/3/2013		10/3/2013		10/3/2013	
		Sample ID	401003-DP017016		401003-DP018004		401003-DP018016		401003-DP019008	
		Qc Code	FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8260	1,1,1-Trichloroethane	ug/Kg	49	U	3.7	U	38	U	3.3	U
SW8260	1,1,2,2-Tetrachloroethane	ug/Kg	49	UJ	3.7	U	38	UJ	3.3	U
SW8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/Kg	49	UJ	3.7	UJ	38	UJ	3.3	UJ
SW8260	1,1,2-Trichloroethane	ug/Kg	49	U	3.7	U	38	U	3.3	U
SW8260	1,1-Dichloroethane	ug/Kg	49	U	3.7	U	38	U	3.3	U
SW8260	1,1-Dichloroethene	ug/Kg	49	U	3.7	UJ	38	U	3.3	U
SW8260	1,2,3-Trichlorobenzene	ug/Kg	49	U	3.7	U	38	U	3.3	U
SW8260	1,2,4-Trichlorobenzene	ug/Kg	49	UJ	3.7	U	38	UJ	3.3	U
SW8260	1,2-Dibromo-3-chloropropane	ug/Kg	550		3.7	U	38	U	3.3	U
SW8260	1,2-Dibromoethane	ug/Kg	49	U	3.7	U	38	U	3.3	U
SW8260	1,2-Dichlorobenzene	ug/Kg	49	U	3.7	U	38	U	3.3	U
SW8260	1,2-Dichloroethane	ug/Kg	49	U	3.7	U	38	U	3.3	U
SW8260	1,2-Dichloropropane	ug/Kg	49	UJ	3.7	U	38	UJ	3.3	U
SW8260	1,3-Dichlorobenzene	ug/Kg	49	U	3.7	U	38	U	3.3	U
SW8260	1,4-Dichlorobenzene	ug/Kg	49	U	3.7	U	38	U	3.3	U
SW8260	1,4-Dioxane	ug/Kg		R		R		R		R
SW8260	2-Butanone	ug/Kg		R		R		R		R
SW8260	2-Hexanone	ug/Kg	250	U	3.7	UJ	190	U	3.3	UJ
SW8260	4-Methyl-2-pentanone	ug/Kg	250	U	3.7	U	190	U	3.3	U
SW8260	Acetic acid, methyl ester	ug/Kg	49	U	3.7	U	38	U	3.3	U
SW8260	Acetone	ug/Kg		R	3.7	U		R	3.3	U
SW8260	Benzene	ug/Kg	49	U	3.7	U	42		3.3	U
SW8260	Bromochloromethane	ug/Kg	49	U	3.7	U	38	U	3.3	U
SW8260	Bromodichloromethane	ug/Kg	49	U	3.7	U	38	U	3.3	U
SW8260	Bromoform	ug/Kg	49	U	3.7	U	38	U	3.3	U
SW8260	Bromomethane	ug/Kg	49	UJ	3.7	U	38	UJ	3.3	U
SW8260	Carbon disulfide	ug/Kg	49	U	3.7	U	38	U	3.3	U
SW8260	Carbon tetrachloride	ug/Kg	49	U	3.7	U	38	U	3.3	U
SW8260	Chlorobenzene	ug/Kg	49	U	3.7	U	38	U	3.3	U
SW8260	Chlorodibromomethane	ug/Kg	49	U	3.7	U	38	U	3.3	U
SW8260	Chloroethane	ug/Kg	49	U	3.7	U	38	U	3.3	U
SW8260	Chloroform	ug/Kg	49	U	3.7	U	38	U	3.3	U
SW8260	Chloromethane	ug/Kg	49	U	3.7	U	38	U	3.3	U
SW8260	Cis-1,2-Dichloroethene	ug/Kg	49	U	3.7	U	38	U	3.3	U
SW8260	cis-1,3-Dichloropropene	ug/Kg	49	UJ	3.7	U	38	UJ	3.3	U
SW8260	Cyclohexane	ug/Kg	49	U	3.7	U	38	U	3.3	UJ
SW8260	Dichlorodifluoromethane	ug/Kg	49	UJ	3.7	U	38	UJ	3.3	UJ
SW8260	Ethyl benzene	ug/Kg	49	U	3.7	U	120		3.3	U
SW8260	Isopropylbenzene	ug/Kg	520		3.7	U	500		3.3	U
SW8260	Methyl cyclohexane	ug/Kg	210		3.7	U	360		3.3	U
SW8260	Methyl Tertbutyl Ether	ug/Kg	49	U	3.7	U	38	U	3.3	U
SW8260	Methylene chloride	ug/Kg	49	U	3.7	UJ	38	U	3.3	UJ
SW8260	Styrene	ug/Kg	49	U	3.7	U	38	U	3.3	U
SW8260	Tetrachloroethene	ug/Kg	49	U	3.7	U	38	U	3.3	U
SW8260	Toluene	ug/Kg	49	U	3.7	U	46		3.3	U
SW8260	trans-1,2-Dichloroethene	ug/Kg	49	UJ	3.7	U	38	UJ	3.3	U
SW8260	trans-1,3-Dichloropropene	ug/Kg	49	U	3.7	U	38	U	3.3	U
SW8260	Trichloroethene	ug/Kg	49	U	3.7	U	38	U	3.3	U
SW8260	Trichlorofluoromethane	ug/Kg	49	UJ	3.7	U	38	UJ	3.3	U
SW8260	Vinyl chloride	ug/Kg	49	U	3.7	U	38	U	3.3	U
SW8260	Xylene, o	ug/Kg	49	UJ	3.7	U	58	J	3.3	U
SW8260	Xylenes (m&p)	ug/Kg	49	U	3.7	U	130		3.3	U
SW8260	Xylenes, Total	ug/Kg	49	U	3.7	U	190		3.3	U

Table 2 - Results Summary
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

		Sample Delivery Group	M1908		M1908		M1908		M1908	
		Location	DP-17		DP-18		DP-18		DP-19	
		Sample Date	10/3/2013		10/3/2013		10/3/2013		10/3/2013	
		Sample ID	401003-DP017016		401003-DP018004		401003-DP018016		401003-DP019008	
		Qc Code	FS		FS		FS		FS	
Analysis	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8270	1,2,4,5-Tetrachlorobenzene	ug/Kg	370	U	370	U	380	U	370	U
SW8270	2,4,5-Trichlorophenol	ug/Kg	760	U	750	U	770	U	740	U
SW8270	2,4,6-Trichlorophenol	ug/Kg	370	U	370	U	380	U	370	U
SW8270	2,4-Dichlorophenol	ug/Kg	370	U	370	U	380	U	370	U
SW8270	2,4-Dimethylphenol	ug/Kg	370	U	370	U	380	UJ	370	UJ
SW8270	2,4-Dinitrophenol	ug/Kg	760	UJ	750	UJ	770	UJ	740	UJ
SW8270	2,4-Dinitrotoluene	ug/Kg	370	U	370	U	380	U	370	U
SW8270	2,6-Dinitrotoluene	ug/Kg	370	U	370	U	380	U	370	U
SW8270	2-Chloronaphthalene	ug/Kg	370	U	370	U	380	U	370	U
SW8270	2-Chlorophenol	ug/Kg	370	U	370	U	380	U	370	U
SW8270	2-Methylnaphthalene	ug/Kg	370	U	82	J	380	U	370	U
SW8270	2-Methylphenol	ug/Kg	370	U	370	U	380	U	370	U
SW8270	2-Nitroaniline	ug/Kg	760	UJ	750	UJ	770	UJ	740	UJ
SW8270	2-Nitrophenol	ug/Kg	370	U	370	U	380	U	370	U
SW8270	3,3'-Dichlorobenzidine	ug/Kg	370	U	370	U	380	UJ	370	UJ
SW8270	3-Nitroaniline	ug/Kg	760	U	750	U	770	UJ	740	UJ
SW8270	4,6-Dinitro-2-methylphenol	ug/Kg	760	UJ	750	UJ	770	UJ	740	UJ
SW8270	4-Bromophenyl phenyl ether	ug/Kg	370	U	370	U	380	U	370	U
SW8270	4-Chloro-3-methylphenol	ug/Kg	370	U	370	U	380	U	370	U
SW8270	4-Chloroaniline	ug/Kg	370	U	370	U	380	UJ	370	UJ
SW8270	4-Chlorophenyl phenyl ether	ug/Kg	370	U	370	U	380	U	370	U
SW8270	4-Methylphenol	ug/Kg	370	U	370	U	380	U	370	U
SW8270	4-Nitroaniline	ug/Kg	760	U	750	U	770	U	740	U
SW8270	4-Nitrophenol	ug/Kg	760	U	750	U	770	U	740	U
SW8270	Acenaphthene	ug/Kg	370	U	370		380	U	370	U
SW8270	Acenaphthylene	ug/Kg	370	U	370	U	380	U	370	U
SW8270	Acetophenone	ug/Kg	370	U	370	U	380	U	370	U
SW8270	Anthracene	ug/Kg	370	U	740		380	U	370	U
SW8270	Atrazine	ug/Kg	370	U	370	U	380	U	370	U
SW8270	Benzaldehyde	ug/Kg	370	UJ	370	UJ	380	UJ	370	UJ
SW8270	Benzo(a)anthracene	ug/Kg	370	U	1100		380	U	370	U
SW8270	Benzo(a)pyrene	ug/Kg	370	U	600		380	U	370	U
SW8270	Benzo(b)fluoranthene	ug/Kg	370	U	930		380	U	370	U
SW8270	Benzo(ghi)perylene	ug/Kg	370	U	170	J	380	U	370	U
SW8270	Benzo(k)fluoranthene	ug/Kg	370	UJ	700	J	380	UJ	370	UJ
SW8270	Biphenyl	ug/Kg	370	U	370	U	380	U	370	U
SW8270	Bis(2-Chloroethoxy)methane	ug/Kg	370	U	370	U	380	U	370	U
SW8270	Bis(2-Chloroethyl)ether	ug/Kg	370	U	370	U	380	U	370	U
SW8270	Bis(2-Chloroisopropyl)ether	ug/Kg	370	UJ	370	UJ	380	UJ	370	UJ
SW8270	Bis(2-Ethylhexyl)phthalate	ug/Kg	370	U	370	U	380	U	370	U
SW8270	Butylbenzylphthalate	ug/Kg	370	U	370	U	380	U	370	U
SW8270	Caprolactam	ug/Kg	370	U	370	U	380	U	370	U
SW8270	Carbazole	ug/Kg	370	U	350	J	380	U	370	U
SW8270	Chrysene	ug/Kg	370	U	1100		380	U	370	U
SW8270	Di-n-butylphthalate	ug/Kg	370	U	370	U	380	U	370	U
SW8270	Di-n-octylphthalate	ug/Kg	370	U	370	U	380	U	370	U
SW8270	Dibenz(a,h)anthracene	ug/Kg	370	U	110	J	380	U	370	U
SW8270	Dibenzofuran	ug/Kg	370	U	260	J	380	U	370	U
SW8270	Diethylphthalate	ug/Kg	370	U	370	U	380	U	370	U
SW8270	Dimethylphthalate	ug/Kg	370	U	370	U	380	U	370	U
SW8270	Fluoranthene	ug/Kg	370	U	2600		380	U	100	J
SW8270	Fluorene	ug/Kg	1300		500		1600		370	U
SW8270	Hexachlorobenzene	ug/Kg	370	U	370	U	380	U	370	U

Table 2 - Results Summary
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

		Sample Delivery Group	M1908		M1908		M1908		M1908	
		Location	DP-17		DP-18		DP-18		DP-19	
		Sample Date	10/3/2013		10/3/2013		10/3/2013		10/3/2013	
		Sample ID	401003-DP017016		401003-DP018004		401003-DP018016		401003-DP019008	
		Qc Code	FS		FS		FS		FS	
Analysis	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8270	Hexachlorobutadiene	ug/Kg	370	U	370	U	380	U	370	U
SW8270	Hexachlorocyclopentadiene	ug/Kg	370	U	370	U	380	U	370	U
SW8270	Hexachloroethane	ug/Kg	370	U	370	U	380	U	370	U
SW8270	Indeno(1,2,3-cd)pyrene	ug/Kg	370	U	450		380	U	370	U
SW8270	Isophorone	ug/Kg	370	U	370	U	380	U	370	U
SW8270	N-Nitrosodi-n-propylamine	ug/Kg	370	U	370	U	380	U	370	U
SW8270	N-Nitrosodiphenylamine	ug/Kg	370	U	370	U	380	U	370	U
SW8270	Naphthalene	ug/Kg	370	U	220	J	380	U	370	U
SW8270	Nitrobenzene	ug/Kg	370	UJ	370	UJ	380	UJ	370	UJ
SW8270	Pentachlorophenol	ug/Kg	760	U	750	U	770	UJ	740	UJ
SW8270	Phenanthrene	ug/Kg	1300		2900		1500		120	J
SW8270	Phenol	ug/Kg	370	U	370	U	380	U	370	U
SW8270	Pyrene	ug/Kg	250	J	1800		280	J	87	J
SW8081	4,4'-DDD	ug/Kg	3.8	UJ	71	U	3.9	UJ	3.8	UJ
SW8081	4,4'-DDE	ug/Kg	3.8	UJ	11	U	3.9	UJ	3.8	UJ
SW8081	4,4'-DDT	ug/Kg	3.8	UJ	67	UJ	3.9	UJ	3.8	UJ
SW8081	Aldrin	ug/Kg	2	U	5.6	U	2	U	1.9	U
SW8081	Alpha-BHC	ug/Kg	2	UJ	5.6	U	2	UJ	1.9	UJ
SW8081	Alpha-Chlordane	ug/Kg	2	U	5.6	U	2	U	1.9	U
SW8081	Beta-BHC	ug/Kg	2	UJ	5.6	U	2	UJ	1.9	UJ
SW8081	Delta-BHC	ug/Kg	2	UJ	5.6	U	2	UJ	1.9	UJ
SW8081	Dieldrin	ug/Kg	3.8	U	26	UJ	3.9	U	3.8	U
SW8081	Endosulfan I	ug/Kg	2	U	5.6	U	2	U	1.9	U
SW8081	Endosulfan II	ug/Kg	3.8	U	11	U	3.9	U	3.8	U
SW8081	Endosulfan sulfate	ug/Kg	3.8	UJ	11	U	3.9	UJ	3.8	UJ
SW8081	Endrin	ug/Kg	3.8	UJ	11	U	3.9	UJ	3.8	UJ
SW8081	Endrin aldehyde	ug/Kg	3.8	UJ	11	U	3.9	UJ	3.8	UJ
SW8081	Endrin ketone	ug/Kg	3.8	UJ	11	U	3.9	UJ	3.8	UJ
SW8081	Gamma-BHC/Lindane	ug/Kg	2	UJ	5.6	U	2	UJ	1.9	UJ
SW8081	Gamma-Chlordane	ug/Kg	2	U	5.6	U	2	U	1.9	U
SW8081	Heptachlor	ug/Kg	2	U	5.6	U	2	U	1.9	U
SW8081	Heptachlor epoxide	ug/Kg	2	U	5.6	U	2	U	1.9	U
SW8081	Methoxychlor	ug/Kg	20	U	56	U	20	U	19	U
SW8081	Toxaphene	ug/Kg	200	U	560	U	200	U	190	U
SW8082	Aroclor-1016	ug/Kg	38	U	36	U	39	U	38	U
SW8082	Aroclor-1221	ug/Kg	38	U	36	U	39	U	38	U
SW8082	Aroclor-1232	ug/Kg	38	U	36	U	39	U	38	U
SW8082	Aroclor-1242	ug/Kg	38	U	36	U	39	U	38	U
SW8082	Aroclor-1248	ug/Kg	38	U	36	U	39	U	38	U
SW8082	Aroclor-1254	ug/Kg	38	U	36	U	39	U	38	U
SW8082	Aroclor-1260	ug/Kg	38	U	330		18	J	38	U
SW8082	Aroclor-1262	ug/Kg	38	U	36	U	39	U	38	U
SW8082	Aroclor-1268	ug/Kg	38	U	36	U	39	U	38	U
SW6010	Aluminum	mg/Kg								
SW6010	Antimony	mg/Kg								
SW6010	Arsenic	mg/Kg								
SW6010	Barium	mg/Kg								
SW6010	Beryllium	mg/Kg								
SW6010	Cadmium	mg/Kg								
SW6010	Calcium	mg/Kg								
SW6010	Chromium	mg/Kg								
SW6010	Cobalt	mg/Kg								
SW6010	Copper	mg/Kg								

Table 2 - Results Summary
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

		Sample Delivery Group	M1908		M1908		M1908		M1908	
		Location	DP-17		DP-18		DP-18		DP-19	
		Sample Date	10/3/2013		10/3/2013		10/3/2013		10/3/2013	
		Sample ID	401003-DP017016		401003-DP018004		401003-DP018016		401003-DP019008	
		Qc Code	FS		FS		FS		FS	
Analysis	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW6010	Iron	mg/Kg								
SW6010	Lead	mg/Kg								
SW6010	Magnesium	mg/Kg								
SW6010	Manganese	mg/Kg								
SW6010	Molybdenum	mg/Kg								
SW6010	Nickel	mg/Kg								
SW6010	Potassium	mg/Kg								
SW6010	Selenium	mg/Kg								
SW6010	Silver	mg/Kg								
SW6010	Sodium	mg/Kg								
SW6010	Thallium	mg/Kg								
SW6010	Vanadium	mg/Kg								
SW6010	Zinc	mg/Kg								
ASTMD2216	Percent Moisture	PERCENT	13		11		15		13	
LLOYDKAHN	Total Organic Carbon	mg/Kg								
SW7471	Mercury	mg/Kg								
SW9045	pH	PH UNITS	6.9		8		7		7.8	
SW7199	Chromium, Hexavalent	mg/kg	0.46	U	9.7		0.46	U	0.56	
TPH	ETPH	mg/Kg								

Notes:
mg/kg = milligram per kilogram
ug/kg = microgram per kilogram
Qualifiers
U = Not detected
J = result is estimated
R = result rejected
NJ = concentration is estimated and the presence of the analyte has been tentatively identified

Table 2 - Results Summary
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

		Sample Delivery Group	M1908		M1908		M1908		M1908	
		Location	DP-19		DP-20		DP-20		QC	
		Sample Date	10/3/2013		10/3/2013		10/3/2013		10/2/2013	
		Sample ID	401003-DP019016		401003-DP020008		401003-DP020016		401003-TB101	
		Qc Code	FS		FS		FS		TB	
Analysis	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8260	1,1,1-Trichloroethane	ug/Kg	43	U	6	U	44	U	5	U
SW8260	1,1,2,2-Tetrachloroethane	ug/Kg	43	UJ	6	U	44	UJ	5	U
SW8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/Kg	43	UJ	6	UJ	44	UJ	5	U
SW8260	1,1,2-Trichloroethane	ug/Kg	43	U	6	U	44	U	5	U
SW8260	1,1-Dichloroethane	ug/Kg	43	U	6	U	44	U	5	U
SW8260	1,1-Dichloroethene	ug/Kg	43	U	6	U	44	U	5	U
SW8260	1,2,3-Trichlorobenzene	ug/Kg	43	U	6	U	44	U	5	U
SW8260	1,2,4-Trichlorobenzene	ug/Kg	43	UJ	6	U	44	UJ	5	U
SW8260	1,2-Dibromo-3-chloropropane	ug/Kg	43	U	6	U	44	U	5	U
SW8260	1,2-Dibromoethane	ug/Kg	43	U	6	U	44	U	5	U
SW8260	1,2-Dichlorobenzene	ug/Kg	43	U	6	U	44	U	5	U
SW8260	1,2-Dichloroethane	ug/Kg	43	U	6	U	44	U	5	U
SW8260	1,2-Dichloropropane	ug/Kg	43	UJ	6	U	44	UJ	5	U
SW8260	1,3-Dichlorobenzene	ug/Kg	43	U	6	U	44	U	5	U
SW8260	1,4-Dichlorobenzene	ug/Kg	43	U	6	U	44	U	5	U
SW8260	1,4-Dioxane	ug/Kg		R		R		R	100	U
SW8260	2-Butanone	ug/Kg		R	43	J		R	5	U
SW8260	2-Hexanone	ug/Kg	210	U	6	UJ	220	U	5	U
SW8260	4-Methyl-2-pentanone	ug/Kg	210	U	6	U	220	U	5	U
SW8260	Acetic acid, methyl ester	ug/Kg	43	U	6	U	44	U	5	U
SW8260	Acetone	ug/Kg		R	17			R	5	U
SW8260	Benzene	ug/Kg	43	U	13		44	U	5	U
SW8260	Bromochloromethane	ug/Kg	43	U	6	U	44	U	5	U
SW8260	Bromodichloromethane	ug/Kg	43	U	6	U	44	U	5	U
SW8260	Bromoform	ug/Kg	43	U	6	U	44	U	5	U
SW8260	Bromomethane	ug/Kg	43	UJ	6	U	44	UJ	5	U
SW8260	Carbon disulfide	ug/Kg	43	U	6	U	44	U	5	U
SW8260	Carbon tetrachloride	ug/Kg	43	U	6	U	44	U	5	U
SW8260	Chlorobenzene	ug/Kg	43	U	6	U	44	U	5	U
SW8260	Chlorodibromomethane	ug/Kg	43	U	6	U	44	U	5	U
SW8260	Chloroethane	ug/Kg	43	U	6	U	44	U	5	U
SW8260	Chloroform	ug/Kg	43	U	6	U	44	U	5	U
SW8260	Chloromethane	ug/Kg	43	U	6	U	44	U	5	U
SW8260	Cis-1,2-Dichloroethene	ug/Kg	43	U	6	U	44	U	5	U
SW8260	cis-1,3-Dichloropropene	ug/Kg	43	UJ	6	U	44	UJ	5	U
SW8260	Cyclohexane	ug/Kg	43	U	6	UJ	44	U	5	U
SW8260	Dichlorodifluoromethane	ug/Kg	43	UJ	6	UJ	44	UJ	5	U
SW8260	Ethyl benzene	ug/Kg	43	U	6	U	44	U	5	U
SW8260	Isopropylbenzene	ug/Kg	3600		6	U	760		5	U
SW8260	Methyl cyclohexane	ug/Kg	580		6	U	630		5	U
SW8260	Methyl Tertbutyl Ether	ug/Kg	43	U	6	U	44	U	5	U
SW8260	Methylene chloride	ug/Kg	43	U	6	UJ	44	U	6.1	
SW8260	Styrene	ug/Kg	43	U	6	U	44	U	5	U
SW8260	Tetrachloroethene	ug/Kg	43	U	6	U	44	U	5	U
SW8260	Toluene	ug/Kg	43	U	6	U	44	U	5	U
SW8260	trans-1,2-Dichloroethene	ug/Kg	43	UJ	6	U	44	UJ	5	U
SW8260	trans-1,3-Dichloropropene	ug/Kg	43	U	6	U	44	U	5	U
SW8260	Trichloroethene	ug/Kg	43	U	6	U	44	U	5	U
SW8260	Trichlorofluoromethane	ug/Kg	43	UJ	6	U	44	UJ	5	U
SW8260	Vinyl chloride	ug/Kg	43	U	6	U	44	U	5	U
SW8260	Xylene, o	ug/Kg	43	UJ	6	U	44	UJ	5	U
SW8260	Xylenes (m&p)	ug/Kg	43	U	6	U	44	U	5	U
SW8260	Xylenes, Total	ug/Kg	43	U	6	U	44	U	5	U

Table 2 - Results Summary
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

		Sample Delivery Group	M1908		M1908		M1908		M1908	
		Location	DP-19		DP-20		DP-20		QC	
		Sample Date	10/3/2013		10/3/2013		10/3/2013		10/2/2013	
		Sample ID	401003-DP019016		401003-DP020008		401003-DP020016		401003-TB101	
		Qc Code	FS		FS		FS		TB	
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8270	1,2,4,5-Tetrachlorobenzene	ug/Kg	1900	U	380	U	1900	U		
SW8270	2,4,5-Trichlorophenol	ug/Kg	3900	U	760	U	3900	U		
SW8270	2,4,6-Trichlorophenol	ug/Kg	1900	U	380	U	1900	U		
SW8270	2,4-Dichlorophenol	ug/Kg	1900	U	380	U	1900	U		
SW8270	2,4-Dimethylphenol	ug/Kg	1900	UJ	380	UJ	1900	UJ		
SW8270	2,4-Dinitrophenol	ug/Kg	3900	UJ	760	UJ	3900	UJ		
SW8270	2,4-Dinitrotoluene	ug/Kg	1900	U	380	U	1900	U		
SW8270	2,6-Dinitrotoluene	ug/Kg	1900	U	380	U	1900	U		
SW8270	2-Chloronaphthalene	ug/Kg	1900	U	380	U	1900	U		
SW8270	2-Chlorophenol	ug/Kg	1900	U	380	U	1900	U		
SW8270	2-Methylnaphthalene	ug/Kg	1900	U	380	U	1900	U		
SW8270	2-Methylphenol	ug/Kg	1900	U	380	U	1900	U		
SW8270	2-Nitroaniline	ug/Kg	3900	U	760	UJ	3900	U		
SW8270	2-Nitrophenol	ug/Kg	1900	U	380	U	1900	U		
SW8270	3,3'-Dichlorobenzidine	ug/Kg	1900	UJ	380	UJ	1900	UJ		
SW8270	3-Nitroaniline	ug/Kg	3900	UJ	760	UJ	3900	UJ		
SW8270	4,6-Dinitro-2-methylphenol	ug/Kg	3900	U	760	UJ	3900	U		
SW8270	4-Bromophenyl phenyl ether	ug/Kg	1900	U	380	U	1900	U		
SW8270	4-Chloro-3-methylphenol	ug/Kg	1900	U	380	U	1900	U		
SW8270	4-Chloroaniline	ug/Kg	1900	UJ	380	UJ	1900	UJ		
SW8270	4-Chlorophenyl phenyl ether	ug/Kg	1900	U	380	U	1900	U		
SW8270	4-Methylphenol	ug/Kg	1900	U	380	U	1900	U		
SW8270	4-Nitroaniline	ug/Kg	3900	U	760	U	3900	U		
SW8270	4-Nitrophenol	ug/Kg	3900	U	760	U	3900	U		
SW8270	Acenaphthene	ug/Kg	1900	U	380	U	1900	U		
SW8270	Acenaphthylene	ug/Kg	1900	U	380	U	1900	U		
SW8270	Acetophenone	ug/Kg	1900	U	380	U	1900	U		
SW8270	Anthracene	ug/Kg	1900	U	380	U	1200	J		
SW8270	Atrazine	ug/Kg	1900	U	380	U	1900	U		
SW8270	Benzaldehyde	ug/Kg	1900	UJ	380	UJ	1900	UJ		
SW8270	Benzo(a)anthracene	ug/Kg	1900	U	380	U	1900	U		
SW8270	Benzo(a)pyrene	ug/Kg	1900	U	380	U	1900	U		
SW8270	Benzo(b)fluoranthene	ug/Kg	1900	U	380	U	1900	U		
SW8270	Benzo(ghi)perylene	ug/Kg	1900	U	380	U	1900	U		
SW8270	Benzo(k)fluoranthene	ug/Kg	1900	U	380	UJ	1900	U		
SW8270	Biphenyl	ug/Kg	1900	U	380	U	1900	U		
SW8270	Bis(2-Chloroethoxy)methane	ug/Kg	1900	U	380	U	1900	U		
SW8270	Bis(2-Chloroethyl)ether	ug/Kg	1900	U	380	U	1900	U		
SW8270	Bis(2-Chloroisopropyl)ether	ug/Kg	1900	UJ	380	UJ	1900	UJ		
SW8270	Bis(2-Ethylhexyl)phthalate	ug/Kg	1900	U	380	U	1900	U		
SW8270	Butylbenzylphthalate	ug/Kg	1900	U	380	U	1900	U		
SW8270	Caprolactam	ug/Kg	1900	U	380	U	1900	U		
SW8270	Carbazole	ug/Kg	1900	U	380	U	1900	U		
SW8270	Chrysene	ug/Kg	1900	U	380	U	1900	U		
SW8270	Di-n-butylphthalate	ug/Kg	1900	U	380	U	1900	U		
SW8270	Di-n-octylphthalate	ug/Kg	1900	U	380	U	1900	U		
SW8270	Dibenz(a,h)anthracene	ug/Kg	1900	U	380	U	1900	U		
SW8270	Dibenzofuran	ug/Kg	1900	U	380	U	1900	U		
SW8270	Diethylphthalate	ug/Kg	1900	U	380	U	1900	U		
SW8270	Dimethylphthalate	ug/Kg	1900	U	380	U	1900	U		
SW8270	Fluoranthene	ug/Kg	1900	U	380	U	690	J		
SW8270	Fluorene	ug/Kg	8500		380	U	4500			
SW8270	Hexachlorobenzene	ug/Kg	1900	U	380	U	1900	U		

Table 2 - Results Summary
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

		Sample Delivery Group	M1908		M1908		M1908		M1908	
		Location	DP-19		DP-20		DP-20		QC	
		Sample Date	10/3/2013		10/3/2013		10/3/2013		10/2/2013	
		Sample ID	401003-DP019016		401003-DP020008		401003-DP020016		401003-TB101	
		Qc Code	FS		FS		FS		TB	
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8270	Hexachlorobutadiene	ug/Kg	1900	U	380	U	1900	U		
SW8270	Hexachlorocyclopentadiene	ug/Kg	1900	U	380	U	1900	U		
SW8270	Hexachloroethane	ug/Kg	1900	U	380	U	1900	U		
SW8270	Indeno(1,2,3-cd)pyrene	ug/Kg	1900	U	380	U	1900	U		
SW8270	Isophorone	ug/Kg	1900	U	380	U	1900	U		
SW8270	N-Nitrosodi-n-propylamine	ug/Kg	1900	U	380	U	1900	U		
SW8270	N-Nitrosodiphenylamine	ug/Kg	1900	U	380	U	1900	U		
SW8270	Naphthalene	ug/Kg	1500	J	380	U	1900	U		
SW8270	Nitrobenzene	ug/Kg	1900	U	380	UJ	1900	U		
SW8270	Pentachlorophenol	ug/Kg	3900	UJ	760	UJ	3900	UJ		
SW8270	Phenanthrene	ug/Kg	20000		110	J	12000			
SW8270	Phenol	ug/Kg	1900	U	380	U	1900	U		
SW8270	Pyrene	ug/Kg	1600	J	380	U	840	J		
SW8081	4,4'-DDD	ug/Kg	3.9	UJ	3.8	UJ	3.9	U		
SW8081	4,4'-DDE	ug/Kg	3.9	UJ	3.8	UJ	3.9	U		
SW8081	4,4'-DDT	ug/Kg	3.9	UJ	3.8	UJ	3.9	U		
SW8081	Aldrin	ug/Kg	2	U	2	U	2	U		
SW8081	Alpha-BHC	ug/Kg	2	UJ	2	UJ	2	U		
SW8081	Alpha-Chlordane	ug/Kg	2	U	2	U	2	U		
SW8081	Beta-BHC	ug/Kg	2	UJ	2	UJ	2	U		
SW8081	Delta-BHC	ug/Kg	2	UJ	2	UJ	2	U		
SW8081	Dieldrin	ug/Kg	3.9	U	3.8	U	3.9	U		
SW8081	Endosulfan I	ug/Kg	2	U	2	U	2	U		
SW8081	Endosulfan II	ug/Kg	3.9	U	3.8	U	3.9	U		
SW8081	Endosulfan sulfate	ug/Kg	3.9	UJ	6.4	J	3.9	U		
SW8081	Endrin	ug/Kg	3.9	UJ	3.8	UJ	3.9	U		
SW8081	Endrin aldehyde	ug/Kg	3.9	UJ	3.8	UJ	3.9	U		
SW8081	Endrin ketone	ug/Kg	3.9	UJ	3.8	UJ	3.9	U		
SW8081	Gamma-BHC/Lindane	ug/Kg	2	UJ	2	UJ	2	U		
SW8081	Gamma-Chlordane	ug/Kg	2	U	2	U	2	U		
SW8081	Heptachlor	ug/Kg	2	U	2	U	2	U		
SW8081	Heptachlor epoxide	ug/Kg	2	U	2	U	2	U		
SW8081	Methoxychlor	ug/Kg	20	U	20	U	20	U		
SW8081	Toxaphene	ug/Kg	200	U	200	U	200	U		
SW8082	Aroclor-1016	ug/Kg	39	U	38	U	39	U		
SW8082	Aroclor-1221	ug/Kg	39	U	38	U	39	U		
SW8082	Aroclor-1232	ug/Kg	39	U	38	U	39	U		
SW8082	Aroclor-1242	ug/Kg	39	U	38	U	39	U		
SW8082	Aroclor-1248	ug/Kg	39	U	38	U	39	U		
SW8082	Aroclor-1254	ug/Kg	39	U	38	U	39	U		
SW8082	Aroclor-1260	ug/Kg	39	U	38	U	39	U		
SW8082	Aroclor-1262	ug/Kg	39	U	38	U	39	U		
SW8082	Aroclor-1268	ug/Kg	39	U	38	U	39	U		
SW6010	Aluminum	mg/Kg								
SW6010	Antimony	mg/Kg								
SW6010	Arsenic	mg/Kg								
SW6010	Barium	mg/Kg								
SW6010	Beryllium	mg/Kg								
SW6010	Cadmium	mg/Kg								
SW6010	Calcium	mg/Kg								
SW6010	Chromium	mg/Kg								
SW6010	Cobalt	mg/Kg								
SW6010	Copper	mg/Kg								

Table 2 - Results Summary
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

		Sample Delivery Group	M1908		M1908		M1908		M1908	
		Location	DP-19		DP-20		DP-20		QC	
		Sample Date	10/3/2013		10/3/2013		10/3/2013		10/2/2013	
		Sample ID	401003-DP019016		401003-DP020008		401003-DP020016		401003-TB101	
		Qc Code	FS		FS		FS		TB	
Analysis	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW6010	Iron	mg/Kg								
SW6010	Lead	mg/Kg								
SW6010	Magnesium	mg/Kg								
SW6010	Manganese	mg/Kg								
SW6010	Molybdenum	mg/Kg								
SW6010	Nickel	mg/Kg								
SW6010	Potassium	mg/Kg								
SW6010	Selenium	mg/Kg								
SW6010	Silver	mg/Kg								
SW6010	Sodium	mg/Kg								
SW6010	Thallium	mg/Kg								
SW6010	Vanadium	mg/Kg								
SW6010	Zinc	mg/Kg								
ASTMD2216	Percent Moisture	PERCENT	16		15		16			
LLOYDKAHN	Total Organic Carbon	mg/Kg								
SW7471	Mercury	mg/Kg								
SW9045	pH	PH UNITS	7.1		8.6		7.5			
SW7199	Chromium, Hexavalent	mg/kg	0.45	U	3.73		0.45	U		
TPH	ETPH	mg/Kg								

Notes:
mg/kg = milligram per kilogram
ug/kg = microgram per kilogram
Qualifiers
U = Not detected
J = result is estimated
R = result rejected
NJ = concentration is estimated and the presence of the analyte has been tentatively identified

Table 2 - Results Summary
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

		Sample Delivery Group	M1908		M1908		M1908	
		Location	QC		SD-16		SD-17	
		Sample Date	10/3/2013		10/1/2013		10/3/2013	
		Sample ID	401003-TB102		401003-SD016001		401003-SD017001	
		Qc Code	TB		FS		FS	
Analysis	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8260	1,1,1-Trichloroethane	ug/Kg	5	U	3	U	2.3	U
SW8260	1,1,2,2-Tetrachloroethane	ug/Kg	5	U	3	U	2.3	U
SW8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/Kg	5	U	3	U	2.3	UJ
SW8260	1,1,2-Trichloroethane	ug/Kg	5	U	3	U	2.3	U
SW8260	1,1-Dichloroethane	ug/Kg	5	U	3	U	2.3	U
SW8260	1,1-Dichloroethene	ug/Kg	5	U	3	U	2.3	U
SW8260	1,2,3-Trichlorobenzene	ug/Kg	5	U	3	U	2.3	U
SW8260	1,2,4-Trichlorobenzene	ug/Kg	5	U	3	U	2.3	U
SW8260	1,2-Dibromo-3-chloropropane	ug/Kg	5	U	3	U	2.3	U
SW8260	1,2-Dibromoethane	ug/Kg	5	U	3	U	2.3	U
SW8260	1,2-Dichlorobenzene	ug/Kg	5	U	3	U	2.3	U
SW8260	1,2-Dichloroethane	ug/Kg	5	U	3	U	2.3	U
SW8260	1,2-Dichloropropane	ug/Kg	5	U	3	U	2.3	U
SW8260	1,3-Dichlorobenzene	ug/Kg	5	U	3	U	2.3	U
SW8260	1,4-Dichlorobenzene	ug/Kg	5	U	3	U	2.3	U
SW8260	1,4-Dioxane	ug/Kg	100	U		R		R
SW8260	2-Butanone	ug/Kg	5	U		R		R
SW8260	2-Hexanone	ug/Kg	5	U	3	UJ	2.3	UJ
SW8260	4-Methyl-2-pentanone	ug/Kg	5	U	3	U	2.3	U
SW8260	Acetic acid, methyl ester	ug/Kg	5	U	3	U	2.3	U
SW8260	Acetone	ug/Kg	5	U		R	2.3	U
SW8260	Benzene	ug/Kg	5	U	3	U	2.3	U
SW8260	Bromochloromethane	ug/Kg	5	U	3	U	2.3	U
SW8260	Bromodichloromethane	ug/Kg	5	U	3	U	2.3	U
SW8260	Bromoform	ug/Kg	5	U	3	U	2.3	U
SW8260	Bromomethane	ug/Kg	5	U	3	U	2.3	U
SW8260	Carbon disulfide	ug/Kg	5	U	3	U	2.3	U
SW8260	Carbon tetrachloride	ug/Kg	5	U	3	U	2.3	U
SW8260	Chlorobenzene	ug/Kg	5	U	3	U	2.3	U
SW8260	Chlorodibromomethane	ug/Kg	5	U	3	U	2.3	U
SW8260	Chloroethane	ug/Kg	5	U	3	U	2.3	U
SW8260	Chloroform	ug/Kg	5	U	3	U	2.3	U
SW8260	Chloromethane	ug/Kg	5	U	3	U	2.3	U
SW8260	Cis-1,2-Dichloroethene	ug/Kg	5	U	3	U	2.3	U
SW8260	cis-1,3-Dichloropropene	ug/Kg	5	U	3	U	2.3	U
SW8260	Cyclohexane	ug/Kg	5	U	3	UJ	2.3	UJ
SW8260	Dichlorodifluoromethane	ug/Kg	5	U	3	U	2.3	UJ
SW8260	Ethyl benzene	ug/Kg	5	U	3	U	2.3	U
SW8260	Isopropylbenzene	ug/Kg	5	U	3	U	2.3	U
SW8260	Methyl cyclohexane	ug/Kg	5	U	3	UJ	2.3	U
SW8260	Methyl Tertbutyl Ether	ug/Kg	5	U	3	U	2.3	U
SW8260	Methylene chloride	ug/Kg	4.7	J	3	UJ	2.3	UJ
SW8260	Styrene	ug/Kg	5	U	3	U	2.3	U
SW8260	Tetrachloroethene	ug/Kg	5	U	3	U	2.3	U
SW8260	Toluene	ug/Kg	5	U	3	U	2.3	U
SW8260	trans-1,2-Dichloroethene	ug/Kg	5	U	3	U	2.3	U
SW8260	trans-1,3-Dichloropropene	ug/Kg	5	U	3	U	2.3	U
SW8260	Trichloroethene	ug/Kg	5	U	3	U	2.3	U
SW8260	Trichlorofluoromethane	ug/Kg	5	U	3	UJ	2.3	U
SW8260	Vinyl chloride	ug/Kg	5	U	3	U	2.3	U
SW8260	Xylene, o	ug/Kg	5	U	3	U	2.3	U
SW8260	Xylenes (m&p)	ug/Kg	5	U	3	U	2.3	U
SW8260	Xylenes, Total	ug/Kg	5	U	3	U	2.3	U

Table 2 - Results Summary
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

		Sample Delivery Group	M1908		M1908		M1908	
		Location	QC		SD-16		SD-17	
		Sample Date	10/3/2013		10/1/2013		10/3/2013	
		Sample ID	401003-TB102		401003-SD016001		401003-SD017001	
		Qc Code	TB		FS		FS	
Analysis	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8270	1,2,4,5-Tetrachlorobenzene	ug/Kg			350	U	350	U
SW8270	2,4,5-Trichlorophenol	ug/Kg			700	U	710	U
SW8270	2,4,6-Trichlorophenol	ug/Kg			350	U	350	U
SW8270	2,4-Dichlorophenol	ug/Kg			350	U	350	U
SW8270	2,4-Dimethylphenol	ug/Kg			350	UJ	350	UJ
SW8270	2,4-Dinitrophenol	ug/Kg			700	UJ	710	UJ
SW8270	2,4-Dinitrotoluene	ug/Kg			350	U	350	U
SW8270	2,6-Dinitrotoluene	ug/Kg			350	U	350	U
SW8270	2-Chloronaphthalene	ug/Kg			350	U	350	U
SW8270	2-Chlorophenol	ug/Kg			350	U	350	U
SW8270	2-Methylnaphthalene	ug/Kg			350	U	350	U
SW8270	2-Methylphenol	ug/Kg			350	U	350	U
SW8270	2-Nitroaniline	ug/Kg			700	UJ	710	UJ
SW8270	2-Nitrophenol	ug/Kg			350	U	350	U
SW8270	3,3'-Dichlorobenzidine	ug/Kg			350	UJ	350	UJ
SW8270	3-Nitroaniline	ug/Kg			700	U	710	UJ
SW8270	4,6-Dinitro-2-methylphenol	ug/Kg			700	UJ	710	UJ
SW8270	4-Bromophenyl phenyl ether	ug/Kg			350	U	350	U
SW8270	4-Chloro-3-methylphenol	ug/Kg			350	U	350	U
SW8270	4-Chloroaniline	ug/Kg			350	UJ	350	UJ
SW8270	4-Chlorophenyl phenyl ether	ug/Kg			350	U	350	U
SW8270	4-Methylphenol	ug/Kg			350	U	350	U
SW8270	4-Nitroaniline	ug/Kg			700	U	710	U
SW8270	4-Nitrophenol	ug/Kg			700	U	710	U
SW8270	Acenaphthene	ug/Kg			350	U	350	U
SW8270	Acenaphthylene	ug/Kg			350	U	350	U
SW8270	Acetophenone	ug/Kg			350	U	350	U
SW8270	Anthracene	ug/Kg			350	U	350	U
SW8270	Atrazine	ug/Kg			350	U	350	U
SW8270	Benzaldehyde	ug/Kg			350	UJ	350	UJ
SW8270	Benzo(a)anthracene	ug/Kg			350	U	350	U
SW8270	Benzo(a)pyrene	ug/Kg			350	U	350	U
SW8270	Benzo(b)fluoranthene	ug/Kg			350	U	350	U
SW8270	Benzo(ghi)perylene	ug/Kg			350	U	350	U
SW8270	Benzo(k)fluoranthene	ug/Kg			350	UJ	350	UJ
SW8270	Biphenyl	ug/Kg			350	U	350	U
SW8270	Bis(2-Chloroethoxy)methane	ug/Kg			350	U	350	U
SW8270	Bis(2-Chloroethyl)ether	ug/Kg			350	U	350	U
SW8270	Bis(2-Chloroisopropyl)ether	ug/Kg			350	UJ	350	UJ
SW8270	Bis(2-Ethylhexyl)phthalate	ug/Kg			76	J	350	U
SW8270	Butylbenzylphthalate	ug/Kg			350	U	350	U
SW8270	Caprolactam	ug/Kg			350	U	350	U
SW8270	Carbazole	ug/Kg			350	U	350	U
SW8270	Chrysene	ug/Kg			350	U	350	U
SW8270	Di-n-butylphthalate	ug/Kg			350	U	350	U
SW8270	Di-n-octylphthalate	ug/Kg			350	U	350	U
SW8270	Dibenz(a,h)anthracene	ug/Kg			350	U	350	U
SW8270	Dibenzofuran	ug/Kg			350	U	350	U
SW8270	Diethylphthalate	ug/Kg			350	U	350	U
SW8270	Dimethylphthalate	ug/Kg			350	U	350	U
SW8270	Fluoranthene	ug/Kg			350	U	350	U
SW8270	Fluorene	ug/Kg			350	U	350	U
SW8270	Hexachlorobenzene	ug/Kg			350	U	350	U

Table 2 - Results Summary
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

		Sample Delivery Group	M1908		M1908		M1908	
		Location	QC		SD-16		SD-17	
		Sample Date	10/3/2013		10/1/2013		10/3/2013	
		Sample ID	401003-TB102		401003-SD016001		401003-SD017001	
		Qc Code	TB		FS		FS	
Analysis	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8270	Hexachlorobutadiene	ug/Kg			350	U	350	U
SW8270	Hexachlorocyclopentadiene	ug/Kg			350	U	350	U
SW8270	Hexachloroethane	ug/Kg			350	U	350	U
SW8270	Indeno(1,2,3-cd)pyrene	ug/Kg			350	U	350	U
SW8270	Isophorone	ug/Kg			350	U	350	U
SW8270	N-Nitrosodi-n-propylamine	ug/Kg			350	U	350	U
SW8270	N-Nitrosodiphenylamine	ug/Kg			350	U	350	U
SW8270	Naphthalene	ug/Kg			350	U	350	U
SW8270	Nitrobenzene	ug/Kg			350	UJ	350	UJ
SW8270	Pentachlorophenol	ug/Kg			700	UJ	710	UJ
SW8270	Phenanthrene	ug/Kg			350	U	350	U
SW8270	Phenol	ug/Kg			350	U	350	U
SW8270	Pyrene	ug/Kg			350	U	350	U
SW8081	4,4'-DDD	ug/Kg			31	UJ	400	UJ
SW8081	4,4'-DDE	ug/Kg			3.5	UJ	71	U
SW8081	4,4'-DDT	ug/Kg			36	UJ	450	UJ
SW8081	Aldrin	ug/Kg			1.8	U	36	U
SW8081	Alpha-BHC	ug/Kg			1.8	UJ	36	U
SW8081	Alpha-Chlordane	ug/Kg			1.8	U	36	U
SW8081	Beta-BHC	ug/Kg			1.8	UJ	36	U
SW8081	Delta-BHC	ug/Kg			2	UJ	36	U
SW8081	Dieldrin	ug/Kg			7.9	UJ	170	UJ
SW8081	Endosulfan I	ug/Kg			1.8	U	36	U
SW8081	Endosulfan II	ug/Kg			3.5	U	71	U
SW8081	Endosulfan sulfate	ug/Kg			17	UJ	71	U
SW8081	Endrin	ug/Kg			3.5	UJ	71	U
SW8081	Endrin aldehyde	ug/Kg			13	UJ	71	U
SW8081	Endrin ketone	ug/Kg			16	UJ	120	UJ
SW8081	Gamma-BHC/Lindane	ug/Kg			1.8	UJ	36	U
SW8081	Gamma-Chlordane	ug/Kg			1.8	U	36	U
SW8081	Heptachlor	ug/Kg			1.8	U	36	U
SW8081	Heptachlor epoxide	ug/Kg			4.3	UJ	36	U
SW8081	Methoxychlor	ug/Kg			18	U	360	U
SW8081	Toxaphene	ug/Kg			180	U	3600	U
SW8082	Aroclor-1016	ug/Kg			35	U	710	U
SW8082	Aroclor-1221	ug/Kg			35	U	710	U
SW8082	Aroclor-1232	ug/Kg			35	U	710	U
SW8082	Aroclor-1242	ug/Kg			35	U	710	U
SW8082	Aroclor-1248	ug/Kg			35	U	710	U
SW8082	Aroclor-1254	ug/Kg			35	U	710	U
SW8082	Aroclor-1260	ug/Kg			200		2800	
SW8082	Aroclor-1262	ug/Kg			35	U	710	U
SW8082	Aroclor-1268	ug/Kg			35	U	710	U
SW6010	Aluminum	mg/Kg			3510		2100	
SW6010	Antimony	mg/Kg			79.8		877	
SW6010	Arsenic	mg/Kg			0.29	U	0.3	U
SW6010	Barium	mg/Kg			47.6		43.5	
SW6010	Beryllium	mg/Kg			0.058	J	0.011	U
SW6010	Cadmium	mg/Kg			1.4		0.011	U
SW6010	Calcium	mg/Kg			16200		4.4	U
SW6010	Chromium	mg/Kg			33700		110000	
SW6010	Cobalt	mg/Kg			523		2520	
SW6010	Copper	mg/Kg			1100		4230	

Table 2 - Results Summary
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

		Sample Delivery Group	M1908		M1908		M1908	
		Location	QC		SD-16		SD-17	
		Sample Date	10/3/2013		10/1/2013		10/3/2013	
		Sample ID	401003-TB102		401003-SD016001		401003-SD017001	
		Qc Code	TB		FS		FS	
Analysis	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW6010	Iron	mg/Kg			178000		442000	
SW6010	Lead	mg/Kg			9.9		16.7	
SW6010	Magnesium	mg/Kg			4400		220	
SW6010	Manganese	mg/Kg			4030		10600	
SW6010	Molybdenum	mg/Kg			1230		7730	
SW6010	Nickel	mg/Kg			22100		175000	
SW6010	Potassium	mg/Kg			485		95.4	
SW6010	Selenium	mg/Kg			0.45	U	0.46	U
SW6010	Silver	mg/Kg			0.045	U	0.046	U
SW6010	Sodium	mg/Kg			178		60.1	
SW6010	Thallium	mg/Kg			0.16	U	5.1	
SW6010	Vanadium	mg/Kg			199		872	
SW6010	Zinc	mg/Kg			17.8		0.13	U
ASTMD2216	Percent Moisture	PERCENT			6.9	J	7.5	J
LLOYDKAHN	Total Organic Carbon	mg/Kg			1900		2000	
SW7471	Mercury	mg/Kg			0.068		0.018	J
SW9045	pH	PH UNITS			8		8.2	
SW7199	Chromium, Hexavalent	mg/kg			9.37		23.8	
TPH	ETPH	mg/Kg						

Notes:
mg/kg = milligram per kilogram
ug/kg = microgram per kilogram
Qualifiers
U = Not detected
J = result is estimated
R = result rejected
NJ = concentration is estimated and the presence of the analyte has been tentatively identified

Table 3 - Validation Reason Codes
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

SDG	Analysis Method	Lab Sample Id	Field Sample ID	Paramater Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M1908	SW6010	M1908-26	401003-CL001010	Barium	9.6	B	9.6	U	BL1	ug/L	MITKEM
M1908	SW8081	M1908-26	401003-CL001010	4,4'-DDD	0.1	U	0.1	UJ	CCV%D	ug/L	MITKEM
M1908	SW8081	M1908-26	401003-CL001010	4,4'-DDE	0.1	U	0.1	UJ	CCV%D	ug/L	MITKEM
M1908	SW8081	M1908-26	401003-CL001010	4,4'-DDT	0.11		0.11	J	CCV%D	ug/L	MITKEM
M1908	SW8081	M1908-26	401003-CL001010	Alpha-BHC	0.05	U	0.05	UJ	CCV%D	ug/L	MITKEM
M1908	SW8081	M1908-26	401003-CL001010	Beta-BHC	0.05	U	0.05	UJ	CCV%D	ug/L	MITKEM
M1908	SW8081	M1908-26	401003-CL001010	Delta-BHC	0.05	U	0.05	UJ	CCV%D	ug/L	MITKEM
M1908	SW8081	M1908-26	401003-CL001010	Endosulfan II	0.12		0.12	J	DC-PD	ug/L	MITKEM
M1908	SW8081	M1908-26	401003-CL001010	Endosulfan sulfate	0.1	U	0.1	UJ	CCV%D	ug/L	MITKEM
M1908	SW8081	M1908-26	401003-CL001010	Endrin	0.1	U	0.1	UJ	CCV%D	ug/L	MITKEM
M1908	SW8081	M1908-26	401003-CL001010	Endrin aldehyde	0.12		0.12	J	CCV%D	ug/L	MITKEM
M1908	SW8081	M1908-26	401003-CL001010	Endrin ketone	0.1	U	0.1	UJ	CCV%D	ug/L	MITKEM
M1908	SW8081	M1908-26	401003-CL001010	Gamma-BHC/Lindane	0.05	U	0.05	UJ	CCV%D	ug/L	MITKEM
M1908	SW8081	M1908-26	401003-CL001010	Methoxychlor	0.58		0.58	J	DC-PD	ug/L	MITKEM
M1908	SW8081	M1908-02	401003-DP010008	4,4'-DDD	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-02	401003-DP010008	4,4'-DDE	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-02	401003-DP010008	4,4'-DDT	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-02	401003-DP010008	Alpha-BHC	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-02	401003-DP010008	Beta-BHC	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-02	401003-DP010008	Delta-BHC	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-02	401003-DP010008	Endosulfan sulfate	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-02	401003-DP010008	Endrin	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-02	401003-DP010008	Endrin aldehyde	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-02	401003-DP010008	Endrin ketone	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-02	401003-DP010008	Gamma-BHC/Lindane	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-03	401003-DP010008D	4,4'-DDD	3.9	U	3.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-03	401003-DP010008D	4,4'-DDE	3.9	U	3.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-03	401003-DP010008D	4,4'-DDT	3.9	U	3.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-03	401003-DP010008D	Alpha-BHC	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-03	401003-DP010008D	Beta-BHC	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-03	401003-DP010008D	Delta-BHC	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-03	401003-DP010008D	Endosulfan sulfate	3.9	U	3.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-03	401003-DP010008D	Endrin	3.9	U	3.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-03	401003-DP010008D	Endrin aldehyde	3.9	U	3.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-03	401003-DP010008D	Endrin ketone	3.9	U	3.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-03	401003-DP010008D	Gamma-BHC/Lindane	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-05	401003-DP011008	4,4'-DDD	4.2		4.2	UJ	CCV%D, DC-PD, FP	ug/Kg	MITKEM
M1908	SW8081	M1908-05	401003-DP011008	4,4'-DDE	3.7	U	3.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-05	401003-DP011008	4,4'-DDT	7.1		7.1	UJ	CCV%D, FP	ug/Kg	MITKEM
M1908	SW8081	M1908-05	401003-DP011008	Alpha-BHC	1.9	U	1.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-05	401003-DP011008	Beta-BHC	1.9	U	1.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-05	401003-DP011008	Delta-BHC	1.9	U	1.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-05	401003-DP011008	Endosulfan sulfate	6		6	UJ	CCV%D, FP	ug/Kg	MITKEM
M1908	SW8081	M1908-05	401003-DP011008	Endrin	3.7	U	3.7	UJ	CCV%D	ug/Kg	MITKEM

Table 3 - Validation Reason Codes
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

SDG	Analysis Method	Lab Sample Id	Field Sample ID	Paramater Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M1908	SW8081	M1908-05	401003-DP011008	Endrin aldehyde	3.7	U	3.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-05	401003-DP011008	Endrin ketone	3.7		3.7	UJ	CCV%D, FP	ug/Kg	MITKEM
M1908	SW8081	M1908-05	401003-DP011008	Gamma-BHC/Lindane	1.9	U	1.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-06	401003-DP011016	4,4'-DDD	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-06	401003-DP011016	4,4'-DDE	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-06	401003-DP011016	4,4'-DDT	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-06	401003-DP011016	Alpha-BHC	1.9	U	1.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-06	401003-DP011016	Beta-BHC	1.9	U	1.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-06	401003-DP011016	Delta-BHC	1.9	U	1.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-06	401003-DP011016	Endosulfan sulfate	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-06	401003-DP011016	Endrin	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-06	401003-DP011016	Endrin aldehyde	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-06	401003-DP011016	Endrin ketone	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-06	401003-DP011016	Gamma-BHC/Lindane	1.9	U	1.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-07	401003-DP012004	4,4'-DDD	3.7	U	3.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-07	401003-DP012004	4,4'-DDE	3.7	U	3.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-07	401003-DP012004	4,4'-DDT	7.6		7.6	UJ	CCV%D, FP	ug/Kg	MITKEM
M1908	SW8081	M1908-07	401003-DP012004	Alpha-BHC	1.9	U	1.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-07	401003-DP012004	Alpha-Chlordane	2.2		2.2	U	FP	ug/Kg	MITKEM
M1908	SW8081	M1908-07	401003-DP012004	Beta-BHC	1.9	U	1.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-07	401003-DP012004	Delta-BHC	1.9	U	1.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-07	401003-DP012004	Endosulfan sulfate	3.7	U	3.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-07	401003-DP012004	Endrin	3.7	U	3.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-07	401003-DP012004	Endrin aldehyde	3.7	U	3.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-07	401003-DP012004	Endrin ketone	3.7	U	3.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-07	401003-DP012004	Gamma-BHC/Lindane	1.9	U	1.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-08	401003-DP012016	4,4'-DDD	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-08	401003-DP012016	4,4'-DDE	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-08	401003-DP012016	4,4'-DDT	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-08	401003-DP012016	Alpha-BHC	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-08	401003-DP012016	Beta-BHC	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-08	401003-DP012016	Delta-BHC	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-08	401003-DP012016	Endosulfan sulfate	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-08	401003-DP012016	Endrin	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-08	401003-DP012016	Endrin aldehyde	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-08	401003-DP012016	Endrin ketone	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-08	401003-DP012016	Gamma-BHC/Lindane	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-09	401003-DP013008	4,4'-DDD	3.9	U	3.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-09	401003-DP013008	4,4'-DDE	3.9	U	3.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-09	401003-DP013008	4,4'-DDT	3.9	U	3.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-09	401003-DP013008	Alpha-BHC	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-09	401003-DP013008	Beta-BHC	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-09	401003-DP013008	Delta-BHC	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-09	401003-DP013008	Endosulfan sulfate	3.9	U	3.9	UJ	CCV%D	ug/Kg	MITKEM

Table 3 - Validation Reason Codes
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

SDG	Analysis Method	Lab Sample Id	Field Sample ID	Paramater Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M1908	SW8081	M1908-09	401003-DP013008	Endrin	3.9	U	3.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-09	401003-DP013008	Endrin aldehyde	3.9	U	3.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-09	401003-DP013008	Endrin ketone	3.9	U	3.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-09	401003-DP013008	Gamma-BHC/Lindane	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-10	401003-DP013016	4,4'-DDD	3.7	U	3.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-10	401003-DP013016	4,4'-DDE	3.7	U	3.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-10	401003-DP013016	4,4'-DDT	3.7	U	3.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-10	401003-DP013016	Alpha-BHC	1.9	U	1.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-10	401003-DP013016	Beta-BHC	1.9	U	1.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-10	401003-DP013016	Delta-BHC	1.9	U	1.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-10	401003-DP013016	Endosulfan sulfate	3.7	U	3.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-10	401003-DP013016	Endrin	3.7	U	3.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-10	401003-DP013016	Endrin aldehyde	3.7	U	3.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-10	401003-DP013016	Endrin ketone	3.7	U	3.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-10	401003-DP013016	Gamma-BHC/Lindane	1.9	U	1.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-11	401003-DP014004	4,4'-DDD	6.1		6.1	UJ	CCV%D, DC-PD, FP	ug/Kg	MITKEM
M1908	SW8081	M1908-11	401003-DP014004	4,4'-DDE	3.5	U	3.5	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-11	401003-DP014004	4,4'-DDT	13		13	UJ	CCV%D, FP	ug/Kg	MITKEM
M1908	SW8081	M1908-11	401003-DP014004	Alpha-BHC	1.8	U	1.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-11	401003-DP014004	Beta-BHC	1.8	U	1.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-11	401003-DP014004	Delta-BHC	4.3		4.3	UJ	CCV%D, FP	ug/Kg	MITKEM
M1908	SW8081	M1908-11	401003-DP014004	Endosulfan sulfate	5.8		5.8	UJ	CCV%D, DC-PD, FP	ug/Kg	MITKEM
M1908	SW8081	M1908-11	401003-DP014004	Endrin	3.5	U	3.5	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-11	401003-DP014004	Endrin aldehyde	3.5	U	3.5	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-11	401003-DP014004	Endrin ketone	3.5	U	3.5	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-11	401003-DP014004	Gamma-BHC/Lindane	1.8	U	1.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-12	401003-DP014016	4,4'-DDD	3.7	U	3.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-12	401003-DP014016	4,4'-DDE	3.7	U	3.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-12	401003-DP014016	4,4'-DDT	3.7	U	3.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-12	401003-DP014016	Alpha-BHC	1.9	U	1.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-12	401003-DP014016	Beta-BHC	1.9	U	1.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-12	401003-DP014016	Delta-BHC	1.9	U	1.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-12	401003-DP014016	Endosulfan sulfate	3.7	U	3.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-12	401003-DP014016	Endrin	3.7	U	3.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-12	401003-DP014016	Endrin aldehyde	3.7	U	3.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-12	401003-DP014016	Endrin ketone	3.7	U	3.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-12	401003-DP014016	Gamma-BHC/Lindane	1.9	U	1.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-14	401003-DP015004	4,4'-DDD	3.5	U	3.5	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-14	401003-DP015004	4,4'-DDE	3.5	U	3.5	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-14	401003-DP015004	4,4'-DDT	3.5	U	3.5	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-14	401003-DP015004	Alpha-BHC	1.8	U	1.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-14	401003-DP015004	Beta-BHC	1.8	U	1.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-14	401003-DP015004	Delta-BHC	1.8	U	1.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-14	401003-DP015004	Endosulfan sulfate	3.5	U	3.5	UJ	CCV%D	ug/Kg	MITKEM

Table 3 - Validation Reason Codes
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

SDG	Analysis Method	Lab Sample Id	Field Sample ID	Paramater Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M1908	SW8081	M1908-14	401003-DP015004	Endrin	3.5	U	3.5	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-14	401003-DP015004	Endrin aldehyde	3.5	U	3.5	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-14	401003-DP015004	Endrin ketone	3.5	U	3.5	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-14	401003-DP015004	Gamma-BHC/Lindane	1.8	U	1.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-15	401003-DP015016	4,4'-DDD	3.7	U	3.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-15	401003-DP015016	4,4'-DDE	3.7	U	3.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-15	401003-DP015016	4,4'-DDT	3.7	U	3.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-15	401003-DP015016	Alpha-BHC	1.9	U	1.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-15	401003-DP015016	Beta-BHC	1.9	U	1.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-15	401003-DP015016	Delta-BHC	1.9	U	1.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-15	401003-DP015016	Endosulfan sulfate	3.7	U	3.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-15	401003-DP015016	Endrin	3.7	U	3.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-15	401003-DP015016	Endrin aldehyde	3.7	U	3.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-15	401003-DP015016	Endrin ketone	3.7	U	3.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-15	401003-DP015016	Gamma-BHC/Lindane	1.9	U	1.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-16	401003-DP016008	4,4'-DDD	3.9	U	3.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-16	401003-DP016008	4,4'-DDE	3.9	U	3.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-16	401003-DP016008	4,4'-DDT	3.9	U	3.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-16	401003-DP016008	Alpha-BHC	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-16	401003-DP016008	Beta-BHC	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-16	401003-DP016008	Delta-BHC	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-16	401003-DP016008	Endosulfan sulfate	3.9	U	3.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-16	401003-DP016008	Endrin	3.9	U	3.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-16	401003-DP016008	Endrin aldehyde	3.9	U	3.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-16	401003-DP016008	Endrin ketone	3.9	U	3.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-16	401003-DP016008	Gamma-BHC/Lindane	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-17	401003-DP016016	4,4'-DDD	15		15	UJ	CCV%D, DC-PD, CI	ug/Kg	MITKEM
M1908	SW8081	M1908-17	401003-DP016016	4,4'-DDE	4.1	U	4.1	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-17	401003-DP016016	4,4'-DDT	4.1	U	4.1	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-17	401003-DP016016	Aldrin	2.4		2.4	UJ	DC-PD, CI	ug/Kg	MITKEM
M1908	SW8081	M1908-17	401003-DP016016	Alpha-BHC	7.5		7.5	UJ	CCV%D, DC-PD, CI	ug/Kg	MITKEM
M1908	SW8081	M1908-17	401003-DP016016	Beta-BHC	4.9		4.9	UJ	CCV%D, DC-PD, CI	ug/Kg	MITKEM
M1908	SW8081	M1908-17	401003-DP016016	Delta-BHC	10		10	UJ	CCV%D, DC-PD, CI	ug/Kg	MITKEM
M1908	SW8081	M1908-17	401003-DP016016	Dieldrin	5.1		5.1	UJ	DC-PD, CI	ug/Kg	MITKEM
M1908	SW8081	M1908-17	401003-DP016016	Endosulfan II	5.6		5.6	UJ	DC-PD, CI	ug/Kg	MITKEM
M1908	SW8081	M1908-17	401003-DP016016	Endosulfan sulfate	4.1	U	4.1	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-17	401003-DP016016	Endrin	6.2		6.2	UJ	CCV%D, DC-PD, CI	ug/Kg	MITKEM
M1908	SW8081	M1908-17	401003-DP016016	Endrin aldehyde	7.7		7.7	UJ	CCV%D, DC-PD, CI	ug/Kg	MITKEM
M1908	SW8081	M1908-17	401003-DP016016	Endrin ketone	4.1	U	4.1	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-17	401003-DP016016	Gamma-BHC/Lindane	2.1	U	2.1	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-17	401003-DP016016	Heptachlor	4.9		4.9	UJ	DC-PD, CI	ug/Kg	MITKEM
M1908	SW8081	M1908-17	401003-DP016016	Heptachlor epoxide	3.5		3.5	UJ	DC-PD, CI	ug/Kg	MITKEM
M1908	SW8081	M1908-18	401003-DP017008	4,4'-DDD	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-18	401003-DP017008	4,4'-DDE	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM

Table 3 - Validation Reason Codes
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

SDG	Analysis Method	Lab Sample Id	Field Sample ID	Paramater Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M1908	SW8081	M1908-18	401003-DP017008	4,4'-DDT	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-18	401003-DP017008	Alpha-BHC	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-18	401003-DP017008	Beta-BHC	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-18	401003-DP017008	Delta-BHC	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-18	401003-DP017008	Endosulfan sulfate	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-18	401003-DP017008	Endrin	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-18	401003-DP017008	Endrin aldehyde	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-18	401003-DP017008	Endrin ketone	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-18	401003-DP017008	Gamma-BHC/Lindane	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-19	401003-DP017016	4,4'-DDD	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-19	401003-DP017016	4,4'-DDE	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-19	401003-DP017016	4,4'-DDT	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-19	401003-DP017016	Alpha-BHC	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-19	401003-DP017016	Beta-BHC	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-19	401003-DP017016	Delta-BHC	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-19	401003-DP017016	Endosulfan sulfate	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-19	401003-DP017016	Endrin	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-19	401003-DP017016	Endrin aldehyde	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-19	401003-DP017016	Endrin ketone	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-19	401003-DP017016	Gamma-BHC/Lindane	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-20	401003-DP018004	4,4'-DDD	71		71	U	FP	ug/Kg	MITKEM
M1908	SW8081	M1908-20	401003-DP018004	4,4'-DDT	67		67	UJ	DC-PD, FP	ug/Kg	MITKEM
M1908	SW8081	M1908-20	401003-DP018004	Dieldrin	26		26	UJ	DC-PD, FP	ug/Kg	MITKEM
M1908	SW8081	M1908-21	401003-DP018016	4,4'-DDD	3.9	U	3.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-21	401003-DP018016	4,4'-DDE	3.9	U	3.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-21	401003-DP018016	4,4'-DDT	3.9	U	3.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-21	401003-DP018016	Alpha-BHC	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-21	401003-DP018016	Beta-BHC	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-21	401003-DP018016	Delta-BHC	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-21	401003-DP018016	Endosulfan sulfate	3.9		3.9	UJ	CCV%D, DC-PD, FP	ug/Kg	MITKEM
M1908	SW8081	M1908-21	401003-DP018016	Endrin	3.9	U	3.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-21	401003-DP018016	Endrin aldehyde	3.9	U	3.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-21	401003-DP018016	Endrin ketone	3.9	U	3.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-21	401003-DP018016	Gamma-BHC/Lindane	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-22	401003-DP019008	4,4'-DDD	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-22	401003-DP019008	4,4'-DDE	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-22	401003-DP019008	4,4'-DDT	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-22	401003-DP019008	Alpha-BHC	1.9	U	1.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-22	401003-DP019008	Beta-BHC	1.9	U	1.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-22	401003-DP019008	Delta-BHC	1.9	U	1.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-22	401003-DP019008	Endosulfan sulfate	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-22	401003-DP019008	Endrin	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-22	401003-DP019008	Endrin aldehyde	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-22	401003-DP019008	Endrin ketone	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM

Table 3 - Validation Reason Codes
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AL TECH SITE
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SDG	Analysis Method	Lab Sample Id	Field Sample ID	Paramater Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M1908	SW8081	M1908-22	401003-DP019008	Gamma-BHC/Lindane	1.9	U	1.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-23	401003-DP019016	4,4'-DDD	3.9	U	3.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-23	401003-DP019016	4,4'-DDE	3.9	U	3.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-23	401003-DP019016	4,4'-DDT	3.9	U	3.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-23	401003-DP019016	Alpha-BHC	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-23	401003-DP019016	Beta-BHC	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-23	401003-DP019016	Delta-BHC	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-23	401003-DP019016	Endosulfan sulfate	3.9	U	3.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-23	401003-DP019016	Endrin	3.9	U	3.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-23	401003-DP019016	Endrin aldehyde	3.9	U	3.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-23	401003-DP019016	Endrin ketone	3.9	U	3.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-23	401003-DP019016	Gamma-BHC/Lindane	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-24	401003-DP020008	4,4'-DDD	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-24	401003-DP020008	4,4'-DDE	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-24	401003-DP020008	4,4'-DDT	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-24	401003-DP020008	Alpha-BHC	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-24	401003-DP020008	Beta-BHC	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-24	401003-DP020008	Delta-BHC	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-24	401003-DP020008	Endosulfan sulfate	6.4		6.4	J	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-24	401003-DP020008	Endrin	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-24	401003-DP020008	Endrin aldehyde	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-24	401003-DP020008	Endrin ketone	3.8	U	3.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-24	401003-DP020008	Gamma-BHC/Lindane	2	U	2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-01	401003-SD016001	4,4'-DDD	31		31	UJ	CCV%D, DC-PD, FP	ug/Kg	MITKEM
M1908	SW8081	M1908-01	401003-SD016001	4,4'-DDE	3.5	U	3.5	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-01	401003-SD016001	4,4'-DDT	36		36	UJ	CCV%D, FP	ug/Kg	MITKEM
M1908	SW8081	M1908-01	401003-SD016001	Alpha-BHC	1.8	U	1.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-01	401003-SD016001	Beta-BHC	1.8	U	1.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-01	401003-SD016001	Delta-BHC	2		2	UJ	CCV%D, FP	ug/Kg	MITKEM
M1908	SW8081	M1908-01	401003-SD016001	Dieldrin	7.9		7.9	UJ	DC-PD, FP	ug/Kg	MITKEM
M1908	SW8081	M1908-01	401003-SD016001	Endosulfan sulfate	17		17	UJ	CCV%D, DC-PD, FP	ug/Kg	MITKEM
M1908	SW8081	M1908-01	401003-SD016001	Endrin	3.5	U	3.5	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-01	401003-SD016001	Endrin aldehyde	13		13	UJ	CCV%D, DC-PD, FP	ug/Kg	MITKEM
M1908	SW8081	M1908-01	401003-SD016001	Endrin ketone	16		16	UJ	CCV%D, FP	ug/Kg	MITKEM
M1908	SW8081	M1908-01	401003-SD016001	Gamma-BHC/Lindane	1.8	U	1.8	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8081	M1908-01	401003-SD016001	Heptachlor epoxide	4.3		4.3	UJ	DC-PD, FP	ug/Kg	MITKEM
M1908	SW8081	M1908-27	401003-SD017001	4,4'-DDD	400		400	UJ	DC-PD, FP	ug/Kg	MITKEM
M1908	SW8081	M1908-27	401003-SD017001	4,4'-DDT	450		450	UJ	DC-PD, FP	ug/Kg	MITKEM
M1908	SW8081	M1908-27	401003-SD017001	Dieldrin	170		170	UJ	DC-PD, FP	ug/Kg	MITKEM
M1908	SW8081	M1908-27	401003-SD017001	Endrin ketone	120		120	UJ	DC-PD, FP	ug/Kg	MITKEM
M1908	SW8082	M1908-26	401003-CL001010	Aroclor-1260	0.05	U	0.05	UJ	LCS-RPD	ug/L	MITKEM
M1908	SW8082	M1908-07	401003-DP012004	Aroclor-1260	17	PJ	17	NJ	DC-PD	ug/Kg	MITKEM
M1908	SW8082	M1908-11	401003-DP014004	Aroclor-1260	39		39	J	DC-PD	ug/Kg	MITKEM
M1908	SW8260	M1908-26	401003-CL001010	1,1,2,2-Tetrachloroethane	1	U	1	UJ	ICVRSD	ug/L	MITKEM

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SDG	Analysis Method	Lab Sample Id	Field Sample ID	Paramater Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M1908	SW8260	M1908-26	401003-CL001010	1,1,2-Trichloro-1,2,2-Trifluoroethane	1	U	1	UJ	CCV%D, LCS-L	ug/L	MITKEM
M1908	SW8260	M1908-26	401003-CL001010	1,2,4-Trichlorobenzene	1	U	1	UJ	CCV%D	ug/L	MITKEM
M1908	SW8260	M1908-26	401003-CL001010	1,2-Dichloropropane	1	U	1	UJ	CCV%D	ug/L	MITKEM
M1908	SW8260	M1908-26	401003-CL001010	1,4-Dioxane	100	U		R	ICVRRF, CCVRRF, CCV%D	ug/L	MITKEM
M1908	SW8260	M1908-26	401003-CL001010	2-Butanone	5	U		R	ICVRRF, CCVRRF	ug/L	MITKEM
M1908	SW8260	M1908-26	401003-CL001010	Acetone	5	U		R	CCVRRF	ug/L	MITKEM
M1908	SW8260	M1908-26	401003-CL001010	Bromomethane	1	U	1	UJ	ICVRSD	ug/L	MITKEM
M1908	SW8260	M1908-26	401003-CL001010	cis-1,3-Dichloropropene	1	U	1	UJ	CCV%D	ug/L	MITKEM
M1908	SW8260	M1908-26	401003-CL001010	Dichlorodifluoromethane	1	U	1	UJ	CCV%D, LCS-L	ug/L	MITKEM
M1908	SW8260	M1908-26	401003-CL001010	trans-1,2-Dichloroethene	1	U	1	UJ	CCV%D	ug/L	MITKEM
M1908	SW8260	M1908-26	401003-CL001010	Trichlorofluoromethane	1	U	1	UJ	CCV%D, LCS-L	ug/L	MITKEM
M1908	SW8260	M1908-26	401003-CL001010	Xylene, o	1	U	1	UJ	CCV%D	ug/L	MITKEM
M1908	SW8260	M1908-02	401003-DP010008	1,4-Dioxane	140	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-02	401003-DP010008	2-Butanone	7.1	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-02	401003-DP010008	2-Hexanone	7.1	U	7.1	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-02	401003-DP010008	Acetone	7.1	U		R	CCVRRF, CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-02	401003-DP010008	Cyclohexane	7.1	U	7.1	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-02	401003-DP010008	Methyl cyclohexane	7.1	U	7.1	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-02	401003-DP010008	Methylene chloride	7.1	U	7.1	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-02	401003-DP010008	Trichlorofluoromethane	7.1	U	7.1	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-03	401003-DP010008D	1,4-Dioxane	170	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-03	401003-DP010008D	2-Butanone	8.7	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-03	401003-DP010008D	2-Hexanone	8.7	U	8.7	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-03	401003-DP010008D	Acetone	8.7	U		R	CCVRRF, CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-03	401003-DP010008D	Cyclohexane	8.7	U	8.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-03	401003-DP010008D	Methyl cyclohexane	8.7	U	8.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-03	401003-DP010008D	Methylene chloride	9.4		9.4	UJ	BL2, ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-03	401003-DP010008D	Trichlorofluoromethane	8.7	U	8.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-04	401003-DP010016	1,1,2-Trichloro-1,2,2-Trifluoroethane	4.8	U	4.8	UJ	CCV%D, MS-L, MS-RPD	ug/Kg	MITKEM
M1908	SW8260	M1908-04	401003-DP010016	1,1-Dichloroethene	4.8	U	4.8	UJ	CCV%D; MS-L,	ug/Kg	MITKEM
M1908	SW8260	M1908-04	401003-DP010016	1,4-Dioxane	95	U		R	ICVRRF, ICVRSD, CCVRRF, CCV%D, MS-L, MS-RPD	ug/Kg	MITKEM
M1908	SW8260	M1908-04	401003-DP010016	2-Butanone	4.8	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-04	401003-DP010016	2-Hexanone	4.8	U	4.8	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-04	401003-DP010016	Acetone	4.8	U	4.8	UJ	MS-L, MS-RPD	ug/Kg	MITKEM
M1908	SW8260	M1908-04	401003-DP010016	Bromomethane	4.8	U	4.8	UJ	MS-L, MS-RPD	ug/Kg	MITKEM
M1908	SW8260	M1908-04	401003-DP010016	Carbon disulfide	4.8	U	4.8	UJ	MS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-04	401003-DP010016	Chloroethane	4.8	U	4.8	UJ	MS-L, MS-RPD	ug/Kg	MITKEM
M1908	SW8260	M1908-04	401003-DP010016	Chloromethane	4.8	U	4.8	UJ	MS-L, MS-RPD	ug/Kg	MITKEM
M1908	SW8260	M1908-04	401003-DP010016	Dichlorodifluoromethane	4.8	U	4.8	UJ	MS-L, MS-RPD	ug/Kg	MITKEM
M1908	SW8260	M1908-04	401003-DP010016	Methylene chloride	4.8	U	4.8	UJ	ICVRSD, CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-04	401003-DP010016	Trichlorofluoromethane	4.8	U	4.8	UJ	MS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-04	401003-DP010016	Vinyl chloride	4.8	U	4.8	UJ	MS-L, MS-RPD	ug/Kg	MITKEM
M1908	SW8260	M1908-05	401003-DP011008	1,4-Dioxane	110	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM

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SDG	Analysis Method	Lab Sample Id	Field Sample ID	Paramater Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M1908	SW8260	M1908-05	401003-DP011008	2-Butanone	5.5	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-05	401003-DP011008	2-Hexanone	5.5	U	5.5	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-05	401003-DP011008	Acetone	5.5	U		R	CCVRRF, CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-05	401003-DP011008	Cyclohexane	5.5	U	5.5	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-05	401003-DP011008	Methyl cyclohexane	5.5	U	5.5	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-05	401003-DP011008	Methylene chloride	5.5	U	5.5	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-05	401003-DP011008	Trichlorofluoromethane	5.5	U	5.5	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-06	401003-DP011016	1,4-Dioxane	98	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-06	401003-DP011016	2-Butanone	4.9	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-06	401003-DP011016	2-Hexanone	4.9	U	4.9	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-06	401003-DP011016	Acetone	4.9	U		R	CCVRRF, CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-06	401003-DP011016	Cyclohexane	4.9	U	4.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-06	401003-DP011016	Methyl cyclohexane	4.9	U	4.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-06	401003-DP011016	Methylene chloride	4.9	U	4.9	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-06	401003-DP011016	Trichlorofluoromethane	4.9	U	4.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-07	401003-DP012004	1,4-Dioxane	100	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-07	401003-DP012004	2-Butanone	5.1	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-07	401003-DP012004	2-Hexanone	5.1	U	5.1	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-07	401003-DP012004	Acetone	5.1	U		R	CCVRRF, CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-07	401003-DP012004	Cyclohexane	5.1	U	5.1	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-07	401003-DP012004	Methyl cyclohexane	5.1	U	5.1	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-07	401003-DP012004	Methylene chloride	5.1	U	5.1	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-07	401003-DP012004	Trichlorofluoromethane	5.1	U	5.1	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-08	401003-DP012016	1,1,1-Trichloroethane	58	U	58	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-08	401003-DP012016	1,1,2,2-Tetrachloroethane	58	U	58	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-08	401003-DP012016	1,4-Dioxane	5800	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-08	401003-DP012016	2-Butanone	290	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-08	401003-DP012016	Bromodichloromethane	58	U	58	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-08	401003-DP012016	Bromomethane	58	U	58	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-08	401003-DP012016	Carbon tetrachloride	58	U	58	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-08	401003-DP012016	cis-1,3-Dichloropropene	58	U	58	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-08	401003-DP012016	Dichlorodifluoromethane	58	U	58	UJ	CCV%D, LCS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-08	401003-DP012016	trans-1,3-Dichloropropene	58	U	58	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-09	401003-DP013008	1,1,2-Trichloro-1,2,2-Trifluoroethane	4.5	U	4.5	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-09	401003-DP013008	1,4-Dioxane	89	U		R	ICVRRF, CCVRRF, CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-09	401003-DP013008	2-Butanone	4.5	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-09	401003-DP013008	2-Hexanone	4.5	U	4.5	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-09	401003-DP013008	Methylene chloride	3	J	4.5	UJ	BL2, ICVRSD, CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-10	401003-DP013016	1,1,1-Trichloroethane	55	U	55	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-10	401003-DP013016	1,1,2,2-Tetrachloroethane	55	U	55	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-10	401003-DP013016	1,4-Dioxane	5500	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-10	401003-DP013016	2-Butanone	280	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-10	401003-DP013016	Bromodichloromethane	55	U	55	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-10	401003-DP013016	Bromomethane	55	U	55	UJ	ICVRSD	ug/Kg	MITKEM

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M1908	SW8260	M1908-10	401003-DP013016	Carbon tetrachloride	55	U	55	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-10	401003-DP013016	cis-1,3-Dichloropropene	55	U	55	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-10	401003-DP013016	Dichlorodifluoromethane	55	U	55	UJ	CCV%D, LCS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-10	401003-DP013016	trans-1,3-Dichloropropene	55	U	55	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-11	401003-DP014004	1,1,2-Trichloro-1,2,2-Trifluoroethane	5.5	U	5.5	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-11	401003-DP014004	1,4-Dioxane	110	U		R	ICVRRF, CCVRRF, CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-11	401003-DP014004	2-Butanone	5.5	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-11	401003-DP014004	2-Hexanone	5.5	U	5.5	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-11	401003-DP014004	Methylene chloride	5.5	J	5.5	UJ	BL2, ICVRSD, CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-12	401003-DP014016	1,1,2,2-Tetrachloroethane	4.9	U	4.9	UJ	IS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-12	401003-DP014016	1,1,2-Trichloro-1,2,2-Trifluoroethane	4.9	U	4.9	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-12	401003-DP014016	1,2,3-Trichlorobenzene	4.9	U	4.9	UJ	IS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-12	401003-DP014016	1,2,4-Trichlorobenzene	4.9	U	4.9	UJ	IS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-12	401003-DP014016	1,2-Dibromo-3-chloropropane	4.9	U	4.9	UJ	IS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-12	401003-DP014016	1,2-Dibromoethane	4.9	U	4.9	UJ	IS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-12	401003-DP014016	1,2-Dichlorobenzene	4.9	U	4.9	UJ	IS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-12	401003-DP014016	1,3-Dichlorobenzene	4.9	U	4.9	UJ	IS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-12	401003-DP014016	1,4-Dichlorobenzene	4.9	U	4.9	UJ	IS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-12	401003-DP014016	1,4-Dioxane	98	U		R	ICVRRF, CCVRRF, CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-12	401003-DP014016	2-Butanone	9.3		9.3	J	ICVRRF, CCVRRF, SS-H	ug/Kg	MITKEM
M1908	SW8260	M1908-12	401003-DP014016	2-Hexanone	4.9	U	4.9	UJ	ICVRSD, IS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-12	401003-DP014016	Acetone	31		31	J	SS-H	ug/Kg	MITKEM
M1908	SW8260	M1908-12	401003-DP014016	Bromodichloromethane	4.9	U	4.9	UJ	IS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-12	401003-DP014016	Bromoform	4.9	U	4.9	UJ	IS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-12	401003-DP014016	Chlorobenzene	4.9	U	4.9	UJ	IS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-12	401003-DP014016	Ethyl benzene	3.9	J	3.9	J	IS-L, SS-H	ug/Kg	MITKEM
M1908	SW8260	M1908-12	401003-DP014016	Isopropylbenzene	49		49	J	IS-L, SS-H	ug/Kg	MITKEM
M1908	SW8260	M1908-12	401003-DP014016	Methyl cyclohexane	26		26	J	SS-H	ug/Kg	MITKEM
M1908	SW8260	M1908-12	401003-DP014016	Methylene chloride	4.9	U	4.9	UJ	ICVRSD, CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-12	401003-DP014016	Styrene	4.9	U	4.9	UJ	IS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-12	401003-DP014016	Tetrachloroethene	3.1	J	3.1	J	IS-L, SS-H	ug/Kg	MITKEM
M1908	SW8260	M1908-12	401003-DP014016	Xylene, o	10		10	J	IS-L, SS-H	ug/Kg	MITKEM
M1908	SW8260	M1908-12	401003-DP014016	Xylenes (m&p)	9.7		9.7	J	IS-L, SS-H	ug/Kg	MITKEM
M1908	SW8260	M1908-12	401003-DP014016	Xylenes, Total	20		20	J	IS-L, SS-H	ug/Kg	MITKEM
M1908	SW8260	M1908-14	401003-DP015004	1,1,2-Trichloro-1,2,2-Trifluoroethane	6.2	U	6.2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-14	401003-DP015004	1,4-Dioxane	120	U		R	ICVRRF, CCVRRF, CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-14	401003-DP015004	2-Butanone	6.2	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-14	401003-DP015004	2-Hexanone	6.2	U	6.2	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-14	401003-DP015004	Methylene chloride	4.9	J	6.2	UJ	BL2, ICVRSD, CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-15	401003-DP015016	1,1,1-Trichloroethane	50	U	50	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-15	401003-DP015016	1,1,2,2-Tetrachloroethane	50	U	50	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-15	401003-DP015016	1,4-Dioxane	5000	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-15	401003-DP015016	2-Butanone	250	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-15	401003-DP015016	Bromodichloromethane	50	U	50	UJ	CCV%D	ug/Kg	MITKEM

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SDG	Analysis Method	Lab Sample Id	Field Sample ID	Paramater Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M1908	SW8260	M1908-15	401003-DP015016	Bromomethane	50	U	50	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-15	401003-DP015016	Carbon tetrachloride	50	U	50	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-15	401003-DP015016	cis-1,3-Dichloropropene	50	U	50	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-15	401003-DP015016	Dichlorodifluoromethane	50	U	50	UJ	CCV%D, LCS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-15	401003-DP015016	trans-1,3-Dichloropropene	50	U	50	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-16	401003-DP016008	1,1,2-Trichloro-1,2,2-Trifluoroethane	5.2	U	5.2	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-16	401003-DP016008	1,4-Dioxane	100	U		R	ICVRRF, CCVRRF, CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-16	401003-DP016008	2-Butanone	5.2	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-16	401003-DP016008	2-Hexanone	5.2	U	5.2	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-16	401003-DP016008	Methylene chloride	5.2	U	5.2	UJ	ICVRSD, CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-17	401003-DP016016	1,1,2,2-Tetrachloroethane	61	U	61	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-17	401003-DP016016	1,1,2-Trichloro-1,2,2-Trifluoroethane	61	U	61	UJ	CCV%D, LCS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-17	401003-DP016016	1,2,4-Trichlorobenzene	61	U	61	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-17	401003-DP016016	1,2-Dichloropropane	61	U	61	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-17	401003-DP016016	1,4-Dioxane	6100	U		R	ICVRRF, CCVRRF, CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-17	401003-DP016016	2-Butanone	300	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-17	401003-DP016016	Acetone	300	U		R	CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-17	401003-DP016016	Bromomethane	61	U	61	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-17	401003-DP016016	cis-1,3-Dichloropropene	61	U	61	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-17	401003-DP016016	Dichlorodifluoromethane	61	U	61	UJ	CCV%D, LCS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-17	401003-DP016016	trans-1,2-Dichloroethene	61	U	61	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-17	401003-DP016016	Trichlorofluoromethane	61	U	61	UJ	CCV%D, LCS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-17	401003-DP016016	Xylene, o	61	U	61	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-18	401003-DP017008	1,1,2-Trichloro-1,2,2-Trifluoroethane	4.7	U	4.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-18	401003-DP017008	1,1-Dichloroethene	4.7	U	4.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-18	401003-DP017008	1,4-Dioxane	94	U		R	ICVRRF, CCVRRF, CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-18	401003-DP017008	2-Butanone	4.7	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-18	401003-DP017008	2-Hexanone	4.7	U	4.7	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-18	401003-DP017008	Methylene chloride	3.2	J	4.7	UJ	BL2, ICVRSD, CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-19	401003-DP017016	1,1,2,2-Tetrachloroethane	49	U	49	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-19	401003-DP017016	1,1,2-Trichloro-1,2,2-Trifluoroethane	49	U	49	UJ	CCV%D, LCS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-19	401003-DP017016	1,2,4-Trichlorobenzene	49	U	49	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-19	401003-DP017016	1,2-Dichloropropane	49	U	49	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-19	401003-DP017016	1,4-Dioxane	4900	U		R	ICVRRF, CCVRRF, CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-19	401003-DP017016	2-Butanone	250	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-19	401003-DP017016	Acetone	250	U		R	CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-19	401003-DP017016	Bromomethane	49	U	49	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-19	401003-DP017016	cis-1,3-Dichloropropene	49	U	49	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-19	401003-DP017016	Dichlorodifluoromethane	49	U	49	UJ	CCV%D, LCS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-19	401003-DP017016	trans-1,2-Dichloroethene	49	U	49	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-19	401003-DP017016	Trichlorofluoromethane	49	U	49	UJ	CCV%D, LCS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-19	401003-DP017016	Xylene, o	49	U	49	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-20	401003-DP018004	1,1,2-Trichloro-1,2,2-Trifluoroethane	3.7	U	3.7	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-20	401003-DP018004	1,1-Dichloroethene	3.7	U	3.7	UJ	CCV%D	ug/Kg	MITKEM

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SDG	Analysis Method	Lab Sample Id	Field Sample ID	Paramater Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M1908	SW8260	M1908-20	401003-DP018004	1,4-Dioxane	74	U		R	ICVRRF, CCVRRF, CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-20	401003-DP018004	2-Butanone	3.7	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-20	401003-DP018004	2-Hexanone	3.7	U	3.7	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-20	401003-DP018004	Methylene chloride	3.7	U	3.7	UJ	ICVRSD, CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-21	401003-DP018016	1,1,2,2-Tetrachloroethane	38	U	38	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-21	401003-DP018016	1,1,2-Trichloro-1,2,2-Trifluoroethane	38	U	38	UJ	CCV%D, LCS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-21	401003-DP018016	1,2,4-Trichlorobenzene	38	U	38	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-21	401003-DP018016	1,2-Dichloropropane	38	U	38	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-21	401003-DP018016	1,4-Dioxane	3800	U		R	ICVRRF, CCVRRF, CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-21	401003-DP018016	2-Butanone	190	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-21	401003-DP018016	Acetone	190	U		R	CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-21	401003-DP018016	Bromomethane	38	U	38	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-21	401003-DP018016	cis-1,3-Dichloropropene	38	U	38	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-21	401003-DP018016	Dichlorodifluoromethane	38	U	38	UJ	CCV%D, LCS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-21	401003-DP018016	trans-1,2-Dichloroethene	38	U	38	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-21	401003-DP018016	Trichlorofluoromethane	38	U	38	UJ	CCV%D, LCS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-21	401003-DP018016	Xylene, o	58		58	J	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-22	401003-DP019008	1,1,2-Trichloro-1,2,2-Trifluoroethane	3.3	U	3.3	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-22	401003-DP019008	1,4-Dioxane	67	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-22	401003-DP019008	2-Butanone	3.3	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-22	401003-DP019008	2-Hexanone	3.3	U	3.3	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-22	401003-DP019008	Cyclohexane	3.3	U	3.3	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-22	401003-DP019008	Dichlorodifluoromethane	3.3	U	3.3	UJ	CCV%D, LCS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-22	401003-DP019008	Methylene chloride	3.3	U	3.3	UJ	ICVRSD, CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-23	401003-DP019016	1,1,2,2-Tetrachloroethane	43	U	43	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-23	401003-DP019016	1,1,2-Trichloro-1,2,2-Trifluoroethane	43	U	43	UJ	CCV%D, LCS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-23	401003-DP019016	1,2,4-Trichlorobenzene	43	U	43	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-23	401003-DP019016	1,2-Dichloropropane	43	U	43	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-23	401003-DP019016	1,4-Dioxane	4300	U		R	ICVRRF, CCVRRF, CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-23	401003-DP019016	2-Butanone	210	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-23	401003-DP019016	Acetone	210	U		R	CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-23	401003-DP019016	Bromomethane	43	U	43	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-23	401003-DP019016	cis-1,3-Dichloropropene	43	U	43	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-23	401003-DP019016	Dichlorodifluoromethane	43	U	43	UJ	CCV%D, LCS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-23	401003-DP019016	trans-1,2-Dichloroethene	43	U	43	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-23	401003-DP019016	Trichlorofluoromethane	43	U	43	UJ	CCV%D, LCS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-23	401003-DP019016	Xylene, o	43	U	43	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-24	401003-DP020008	1,1,2-Trichloro-1,2,2-Trifluoroethane	6	U	6	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-24	401003-DP020008	1,4-Dioxane	120	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-24	401003-DP020008	2-Butanone	43		43	J	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-24	401003-DP020008	2-Hexanone	6	U	6	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-24	401003-DP020008	Cyclohexane	6	U	6	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-24	401003-DP020008	Dichlorodifluoromethane	6	U	6	UJ	CCV%D, LCS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-24	401003-DP020008	Methylene chloride	6	U	6	UJ	ICVRSD, CCV%D	ug/Kg	MITKEM

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SDG	Analysis Method	Lab Sample Id	Field Sample ID	Paramater Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M1908	SW8260	M1908-25	401003-DP020016	1,1,2,2-Tetrachloroethane	44	U	44	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-25	401003-DP020016	1,1,2-Trichloro-1,2,2-Trifluoroethane	44	U	44	UJ	CCV%D, LCS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-25	401003-DP020016	1,2,4-Trichlorobenzene	44	U	44	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-25	401003-DP020016	1,2-Dichloropropane	44	U	44	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-25	401003-DP020016	1,4-Dioxane	4400	U		R	ICVRRF, CCVRRF, CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-25	401003-DP020016	2-Butanone	220	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-25	401003-DP020016	Acetone	220	U		R	CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-25	401003-DP020016	Bromomethane	44	U	44	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-25	401003-DP020016	cis-1,3-Dichloropropene	44	U	44	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-25	401003-DP020016	Dichlorodifluoromethane	44	U	44	UJ	CCV%D, LCS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-25	401003-DP020016	trans-1,2-Dichloroethene	44	U	44	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-25	401003-DP020016	Trichlorofluoromethane	44	U	44	UJ	CCV%D, LCS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-25	401003-DP020016	Xylene, o	44	U	44	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-01	401003-SD016001	1,4-Dioxane	59	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-01	401003-SD016001	2-Butanone	3	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-01	401003-SD016001	2-Hexanone	3	U	3	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-01	401003-SD016001	Acetone	3	U		R	CCVRRF, CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-01	401003-SD016001	Cyclohexane	3	U	3	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-01	401003-SD016001	Methyl cyclohexane	3	U	3	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-01	401003-SD016001	Methylene chloride	3	U	3	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-01	401003-SD016001	Trichlorofluoromethane	3	U	3	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-27	401003-SD017001	1,1,2-Trichloro-1,2,2-Trifluoroethane	2.3	U	2.3	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-27	401003-SD017001	1,4-Dioxane	45	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-27	401003-SD017001	2-Butanone	2.3	U		R	ICVRRF, CCVRRF	ug/Kg	MITKEM
M1908	SW8260	M1908-27	401003-SD017001	2-Hexanone	2.3	U	2.3	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8260	M1908-27	401003-SD017001	Cyclohexane	2.3	U	2.3	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8260	M1908-27	401003-SD017001	Dichlorodifluoromethane	2.3	U	2.3	UJ	CCV%D, LCS-L	ug/Kg	MITKEM
M1908	SW8260	M1908-27	401003-SD017001	Methylene chloride	2.3	U	2.3	UJ	ICVRSD, CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-26	401003-CL001010	2,4,5-Trichlorophenol	20	U	20	UJ	SS-L	ug/L	MITKEM
M1908	SW8270	M1908-26	401003-CL001010	2,4,6-Trichlorophenol	10	U	10	UJ	SS-L	ug/L	MITKEM
M1908	SW8270	M1908-26	401003-CL001010	2,4-Dichlorophenol	10	U	10	UJ	SS-L	ug/L	MITKEM
M1908	SW8270	M1908-26	401003-CL001010	2,4-Dimethylphenol	10	U	10	UJ	SS-L	ug/L	MITKEM
M1908	SW8270	M1908-26	401003-CL001010	2,4-Dinitrophenol	20	U	20	UJ	ICVRSD, CCV%D, SS-L	ug/L	MITKEM
M1908	SW8270	M1908-26	401003-CL001010	2-Chlorophenol	10	U	10	UJ	SS-L	ug/L	MITKEM
M1908	SW8270	M1908-26	401003-CL001010	2-Methylphenol	10	U	10	UJ	SS-L	ug/L	MITKEM
M1908	SW8270	M1908-26	401003-CL001010	2-Nitroaniline	20	U	20	UJ	CCV%D	ug/L	MITKEM
M1908	SW8270	M1908-26	401003-CL001010	2-Nitrophenol	10	U	10	UJ	SS-L	ug/L	MITKEM
M1908	SW8270	M1908-26	401003-CL001010	4,6-Dinitro-2-methylphenol	20	U	20	UJ	ICVRSD, SS-L	ug/L	MITKEM
M1908	SW8270	M1908-26	401003-CL001010	4-Chloro-3-methylphenol	10	U	10	UJ	SS-L	ug/L	MITKEM
M1908	SW8270	M1908-26	401003-CL001010	4-Methylphenol	10	U	10	UJ	SS-L	ug/L	MITKEM
M1908	SW8270	M1908-26	401003-CL001010	4-Nitrophenol	20	U	20	UJ	SS-L	ug/L	MITKEM
M1908	SW8270	M1908-26	401003-CL001010	Benzaldehyde	10	U	10	UJ	ICVRSD, LCS-L	ug/L	MITKEM
M1908	SW8270	M1908-26	401003-CL001010	Bis(2-Chloroisopropyl)ether	10	U	10	UJ	CCV%D	ug/L	MITKEM
M1908	SW8270	M1908-26	401003-CL001010	Nitrobenzene	10	U	10	UJ	CCV%D	ug/L	MITKEM

Table 3 - Validation Reason Codes
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SDG	Analysis Method	Lab Sample Id	Field Sample ID	Paramater Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M1908	SW8270	M1908-26	401003-CL001010	Pentachlorophenol	20	U	20	UJ	SS-L	ug/L	MITKEM
M1908	SW8270	M1908-26	401003-CL001010	Phenol	10	U	10	UJ	SS-L	ug/L	MITKEM
M1908	SW8270	M1908-02	401003-DP010008	2,4-Dimethylphenol	370	U	370	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-02	401003-DP010008	2,4-Dinitrophenol	760	U	760	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8270	M1908-02	401003-DP010008	2-Nitroaniline	760	U	760	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-02	401003-DP010008	3,3'-Dichlorobenzidine	370	U	370	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-02	401003-DP010008	4,6-Dinitro-2-methylphenol	760	U	760	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8270	M1908-02	401003-DP010008	4-Chloroaniline	370	U	370	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-02	401003-DP010008	Benzaldehyde	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-02	401003-DP010008	Benzo(k)fluoranthene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-02	401003-DP010008	Bis(2-Chloroisopropyl)ether	370	U	370	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-02	401003-DP010008	Butylbenzylphthalate	130	BJ	370	U	BL1	ug/Kg	MITKEM
M1908	SW8270	M1908-02	401003-DP010008	Nitrobenzene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-02	401003-DP010008	Pentachlorophenol	760	U	760	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-03	401003-DP010008D	2,4-Dimethylphenol	390	U	390	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-03	401003-DP010008D	2,4-Dinitrophenol	790	U	790	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8270	M1908-03	401003-DP010008D	2-Nitroaniline	790	U	790	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-03	401003-DP010008D	3,3'-Dichlorobenzidine	390	U	390	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-03	401003-DP010008D	4,6-Dinitro-2-methylphenol	790	U	790	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8270	M1908-03	401003-DP010008D	4-Chloroaniline	390	U	390	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-03	401003-DP010008D	Benzaldehyde	390	U	390	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-03	401003-DP010008D	Benzo(k)fluoranthene	390	U	390	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-03	401003-DP010008D	Bis(2-Chloroisopropyl)ether	390	U	390	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-03	401003-DP010008D	Butylbenzylphthalate	170	BJ	390	U	BL1	ug/Kg	MITKEM
M1908	SW8270	M1908-03	401003-DP010008D	Nitrobenzene	390	U	390	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-03	401003-DP010008D	Pentachlorophenol	790	U	790	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-04	401003-DP010016	2,4-Dimethylphenol	370	U	370	UJ	LCS-L, MS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-04	401003-DP010016	2,4-Dinitrophenol	760	U	760	UJ	ICVRSD, CCV%D, MS-L, MS-RPD	ug/Kg	MITKEM
M1908	SW8270	M1908-04	401003-DP010016	2-Nitroaniline	760	U	760	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-04	401003-DP010016	3,3'-Dichlorobenzidine	370	U	370	UJ	LCS-L, MS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-04	401003-DP010016	3-Nitroaniline	760	U	760	UJ	MS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-04	401003-DP010016	4,6-Dinitro-2-methylphenol	760	U	760	UJ	ICVRSD, CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-04	401003-DP010016	4-Chloroaniline	370	U	370	UJ	LCS-L, MS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-04	401003-DP010016	Benzaldehyde	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-04	401003-DP010016	Bis(2-Chloroisopropyl)ether	370	U	370	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-04	401003-DP010016	Butylbenzylphthalate	130	BJ	370	U	BL1	ug/Kg	MITKEM
M1908	SW8270	M1908-04	401003-DP010016	Hexachlorocyclopentadiene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-04	401003-DP010016	Nitrobenzene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-04	401003-DP010016	Pentachlorophenol	760	U	760	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-05	401003-DP011008	2,4-Dimethylphenol	370	U	370	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-05	401003-DP011008	2,4-Dinitrophenol	750	U	750	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8270	M1908-05	401003-DP011008	2-Nitroaniline	750	U	750	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-05	401003-DP011008	3,3'-Dichlorobenzidine	370	U	370	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-05	401003-DP011008	4,6-Dinitro-2-methylphenol	440	J	440	J	ICVRSD	ug/Kg	MITKEM

Table 3 - Validation Reason Codes
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SDG	Analysis Method	Lab Sample Id	Field Sample ID	Paramater Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M1908	SW8270	M1908-05	401003-DP011008	4-Chloroaniline	370	U	370	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-05	401003-DP011008	Benzaldehyde	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-05	401003-DP011008	Benzo(k)fluoranthene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-05	401003-DP011008	Bis(2-Chloroisopropyl)ether	370	U	370	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-05	401003-DP011008	Butylbenzylphthalate	160	BJ	370	U	BL1	ug/Kg	MITKEM
M1908	SW8270	M1908-05	401003-DP011008	Nitrobenzene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-05	401003-DP011008	Pentachlorophenol	730	J	730	J	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-06	401003-DP011016	2,4-Dimethylphenol	370	U	370	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-06	401003-DP011016	2,4-Dinitrophenol	750	U	750	UJ	ICVRSD, CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-06	401003-DP011016	2-Nitroaniline	750	U	750	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-06	401003-DP011016	3,3'-Dichlorobenzidine	370	U	370	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-06	401003-DP011016	4,6-Dinitro-2-methylphenol	750	U	750	UJ	ICVRSD, CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-06	401003-DP011016	4-Chloroaniline	370	U	370	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-06	401003-DP011016	Benzaldehyde	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-06	401003-DP011016	Bis(2-Chloroisopropyl)ether	370	U	370	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-06	401003-DP011016	Butylbenzylphthalate	130	BJ	370	U	BL1	ug/Kg	MITKEM
M1908	SW8270	M1908-06	401003-DP011016	Nitrobenzene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-06	401003-DP011016	Pentachlorophenol	210	J	210	J	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-07	401003-DP012004	2,4-Dinitrophenol	750	U	750	UJ	ICVRSD, CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-07	401003-DP012004	4,6-Dinitro-2-methylphenol	750	U	750	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8270	M1908-07	401003-DP012004	Benzaldehyde	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-07	401003-DP012004	Bis(2-Chloroisopropyl)ether	370	U	370	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	1,2,4,5-Tetrachlorobenzene	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	2,4,5-Trichlorophenol	770	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	2,4,6-Trichlorophenol	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	2,4-Dichlorophenol	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	2,4-Dimethylphenol	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	2,4-Dinitrophenol	770	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	2,4-Dinitrotoluene	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	2,6-Dinitrotoluene	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	2-Chloronaphthalene	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	2-Chlorophenol	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	2-Methylnaphthalene	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	2-Methylphenol	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	2-Nitroaniline	770	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	2-Nitrophenol	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	3,3'-Dichlorobenzidine	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	3-Nitroaniline	770	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	4,6-Dinitro-2-methylphenol	770	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	4-Bromophenyl phenyl ether	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	4-Chloro-3-methylphenol	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	4-Chloroaniline	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	4-Chlorophenyl phenyl ether	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	4-Methylphenol	380	U		R	CI	ug/Kg	MITKEM

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SDG	Analysis Method	Lab Sample Id	Field Sample ID	Paramater Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M1908	SW8270	M1908-08	401003-DP012016	4-Nitroaniline	770	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	4-Nitrophenol	770	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Acenaphthene	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Acenaphthylene	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Acetophenone	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Anthracene	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Atrazine	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Benzaldehyde	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Benzo(a)anthracene	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Benzo(a)pyrene	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Benzo(b)fluoranthene	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Benzo(ghi)perylene	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Benzo(k)fluoranthene	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Biphenyl	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Bis(2-Chloroethoxy)methane	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Bis(2-Chloroethyl)ether	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Bis(2-Chloroisopropyl)ether	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Bis(2-Ethylhexyl)phthalate	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Butylbenzylphthalate	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Caprolactam	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Carbazole	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Chrysene	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Dibenz(a,h)anthracene	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Dibenzofuran	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Diethylphthalate	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Dimethylphthalate	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Di-n-butylphthalate	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Di-n-octylphthalate	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Fluoranthene	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Fluorene	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Hexachlorobenzene	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Hexachlorobutadiene	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Hexachlorocyclopentadiene	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Hexachloroethane	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Indeno(1,2,3-cd)pyrene	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Isophorone	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Naphthalene	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Nitrobenzene	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	N-Nitrosodi-n-propylamine	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	N-Nitrosodiphenylamine	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Pentachlorophenol	770	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Phenanthrene	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Phenol	380	U		R	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-08	401003-DP012016	Pyrene	380	U		R	CI	ug/Kg	MITKEM

Table 3 - Validation Reason Codes
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

SDG	Analysis Method	Lab Sample Id	Field Sample ID	Paramater Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M1908	SW8270	M1908-09	401003-DP013008	2,4-Dimethylphenol	380	U	380	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-09	401003-DP013008	2,4-Dinitrophenol	780	U	780	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8270	M1908-09	401003-DP013008	2-Nitroaniline	780	U	780	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-09	401003-DP013008	3,3'-Dichlorobenzidine	380	U	380	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-09	401003-DP013008	4,6-Dinitro-2-methylphenol	780	U	780	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8270	M1908-09	401003-DP013008	4-Chloroaniline	380	U	380	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-09	401003-DP013008	Benzaldehyde	380	U	380	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-09	401003-DP013008	Benzo(k)fluoranthene	380	U	380	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-09	401003-DP013008	Bis(2-Chloroisopropyl)ether	380	U	380	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-09	401003-DP013008	Butylbenzylphthalate	160	BJ	380	U	BL1	ug/Kg	MITKEM
M1908	SW8270	M1908-09	401003-DP013008	Nitrobenzene	380	U	380	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-09	401003-DP013008	Pentachlorophenol	780	U	780	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	1,2,4,5-Tetrachlorobenzene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	2,4,5-Trichlorophenol	750	U	750	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	2,4,6-Trichlorophenol	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	2,4-Dichlorophenol	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	2,4-Dimethylphenol	370	U	370	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	2,4-Dinitrophenol	750	U	750	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	2,4-Dinitrotoluene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	2,6-Dinitrotoluene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	2-Chloronaphthalene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	2-Chlorophenol	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	2-Methylphenol	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	2-Nitroaniline	750	U	750	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	2-Nitrophenol	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	3,3'-Dichlorobenzidine	370	U	370	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	3-Nitroaniline	750	U	750	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	4,6-Dinitro-2-methylphenol	750	U	750	UJ	ICVRSD, IS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	4-Bromophenyl phenyl ether	370	U	370	UJ	IS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	4-Chloro-3-methylphenol	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	4-Chloroaniline	370	U	370	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	4-Chlorophenyl phenyl ether	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	4-Methylphenol	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	4-Nitroaniline	750	U	750	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	4-Nitrophenol	750	U	750	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Acenaphthene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Acenaphthylene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Acetophenone	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Anthracene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Atrazine	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Benzaldehyde	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Benzo(a)anthracene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Benzo(a)pyrene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Benzo(b)fluoranthene	370	U	370	UJ	CI	ug/Kg	MITKEM

Table 3 - Validation Reason Codes
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
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SDG	Analysis Method	Lab Sample Id	Field Sample ID	Paramater Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M1908	SW8270	M1908-10	401003-DP013016	Benzo(ghi)perylene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Benzo(k)fluoranthene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Biphenyl	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Bis(2-Chloroethoxy)methane	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Bis(2-Chloroethyl)ether	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Bis(2-Chloroisopropyl)ether	370	U	370	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Butylbenzylphthalate	160	BJ	370	UJ	BL1, CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Caprolactam	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Carbazole	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Chrysene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Dibenz(a,h)anthracene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Dibenzofuran	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Diethylphthalate	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Dimethylphthalate	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Di-n-butylphthalate	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Di-n-octylphthalate	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Fluoranthene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Fluorene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Hexachlorobenzene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Hexachlorobutadiene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Hexachlorocyclopentadiene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Hexachloroethane	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Indeno(1,2,3-cd)pyrene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Isophorone	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Naphthalene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Nitrobenzene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	N-Nitrosodi-n-propylamine	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	N-Nitrosodiphenylamine	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Pentachlorophenol	750	U	750	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Phenanthrene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-10	401003-DP013016	Phenol	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-11	401003-DP014004	2,4-Dimethylphenol	350	U	350	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-11	401003-DP014004	2,4-Dinitrophenol	710	U	710	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8270	M1908-11	401003-DP014004	2-Nitroaniline	710	U	710	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-11	401003-DP014004	3,3'-Dichlorobenzidine	350	U	350	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-11	401003-DP014004	4,6-Dinitro-2-methylphenol	710	U	710	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8270	M1908-11	401003-DP014004	4-Chloroaniline	350	U	350	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-11	401003-DP014004	Benzaldehyde	350	U	350	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-11	401003-DP014004	Benzo(k)fluoranthene	350	U	350	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-11	401003-DP014004	Bis(2-Chloroisopropyl)ether	350	U	350	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-11	401003-DP014004	Butylbenzylphthalate	210	BJ	350	U	BL1	ug/Kg	MITKEM
M1908	SW8270	M1908-11	401003-DP014004	Nitrobenzene	350	U	350	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-11	401003-DP014004	Pentachlorophenol	710	U	710	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-12	401003-DP014016	2,4-Dimethylphenol	370	U	370	UJ	LCS-L	ug/Kg	MITKEM

Table 3 - Validation Reason Codes
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OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
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SDG	Analysis Method	Lab Sample Id	Field Sample ID	Paramater Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M1908	SW8270	M1908-12	401003-DP014016	2,4-Dinitrophenol	760	U	760	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8270	M1908-12	401003-DP014016	2-Nitroaniline	760	U	760	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-12	401003-DP014016	3,3'-Dichlorobenzidine	370	U	370	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-12	401003-DP014016	4,6-Dinitro-2-methylphenol	760	U	760	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8270	M1908-12	401003-DP014016	4-Chloroaniline	370	U	370	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-12	401003-DP014016	Benzaldehyde	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-12	401003-DP014016	Benzo(k)fluoranthene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-12	401003-DP014016	Bis(2-Chloroisopropyl)ether	370	U	370	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-12	401003-DP014016	Butylbenzylphthalate	200	BJ	370	U	BL1	ug/Kg	MITKEM
M1908	SW8270	M1908-12	401003-DP014016	Nitrobenzene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-12	401003-DP014016	Pentachlorophenol	760	U	760	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-14	401003-DP015004	2,4-Dinitrophenol	710	U	710	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8270	M1908-14	401003-DP015004	2-Nitroaniline	710	U	710	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-14	401003-DP015004	4,6-Dinitro-2-methylphenol	710	U	710	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8270	M1908-14	401003-DP015004	Benzaldehyde	350	U	350	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-14	401003-DP015004	Benzo(k)fluoranthene	350	U	350	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-14	401003-DP015004	Bis(2-Chloroisopropyl)ether	350	U	350	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-14	401003-DP015004	Butylbenzylphthalate	150	BJ	350	U	BL1	ug/Kg	MITKEM
M1908	SW8270	M1908-14	401003-DP015004	Nitrobenzene	350	U	350	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-15	401003-DP015016	2,4-Dinitrophenol	730	U	730	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8270	M1908-15	401003-DP015016	2-Nitroaniline	730	U	730	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-15	401003-DP015016	4,6-Dinitro-2-methylphenol	730	U	730	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8270	M1908-15	401003-DP015016	Benzaldehyde	360	U	360	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-15	401003-DP015016	Benzo(k)fluoranthene	360	U	360	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-15	401003-DP015016	Bis(2-Chloroisopropyl)ether	360	U	360	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-15	401003-DP015016	Butylbenzylphthalate	140	BJ	360	U	BL1	ug/Kg	MITKEM
M1908	SW8270	M1908-15	401003-DP015016	Nitrobenzene	360	U	360	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-16	401003-DP016008	2,4-Dimethylphenol	380	U	380	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-16	401003-DP016008	2,4-Dinitrophenol	780	U	780	UJ	ICVRSD, CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-16	401003-DP016008	2-Nitroaniline	780	U	780	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-16	401003-DP016008	3,3'-Dichlorobenzidine	380	U	380	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-16	401003-DP016008	4,6-Dinitro-2-methylphenol	780	U	780	UJ	ICVRSD, CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-16	401003-DP016008	4-Chloroaniline	380	U	380	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-16	401003-DP016008	Benzaldehyde	380	U	380	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-16	401003-DP016008	Bis(2-Chloroisopropyl)ether	380	U	380	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-16	401003-DP016008	Butylbenzylphthalate	130	BJ	380	U	BL1	ug/Kg	MITKEM
M1908	SW8270	M1908-16	401003-DP016008	Nitrobenzene	380	U	380	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-16	401003-DP016008	Pentachlorophenol	780	U	780	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-17DL	401003-DP016016	2,4-Dinitrophenol	8200	U	8,200	UJ	ICVRSD, CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-17DL	401003-DP016016	Benzaldehyde	4000	U	4,000	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-17DL	401003-DP016016	Bis(2-Chloroisopropyl)ether	4000	U	4,000	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-18	401003-DP017008	2,4-Dimethylphenol	380	U	380	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-18	401003-DP017008	2,4-Dinitrophenol	770	U	770	UJ	ICVRSD, CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-18	401003-DP017008	2-Nitroaniline	770	U	770	UJ	CCV%D	ug/Kg	MITKEM

Table 3 - Validation Reason Codes
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OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
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SDG	Analysis Method	Lab Sample Id	Field Sample ID	Paramater Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M1908	SW8270	M1908-18	401003-DP017008	3,3'-Dichlorobenzidine	380	U	380	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-18	401003-DP017008	4,6-Dinitro-2-methylphenol	770	U	770	UJ	ICVRSD, CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-18	401003-DP017008	4-Chloroaniline	380	U	380	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-18	401003-DP017008	Benzaldehyde	380	U	380	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-18	401003-DP017008	Bis(2-Chloroisopropyl)ether	380	U	380	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-18	401003-DP017008	Butylbenzylphthalate	110	BJ	380	U	BL1	ug/Kg	MITKEM
M1908	SW8270	M1908-18	401003-DP017008	Nitrobenzene	380	U	380	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-18	401003-DP017008	Pentachlorophenol	770	U	770	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-19	401003-DP017016	2,4-Dinitrophenol	760	U	760	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8270	M1908-19	401003-DP017016	2-Nitroaniline	760	U	760	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-19	401003-DP017016	4,6-Dinitro-2-methylphenol	760	U	760	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8270	M1908-19	401003-DP017016	Benzaldehyde	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-19	401003-DP017016	Benzo(k)fluoranthene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-19	401003-DP017016	Bis(2-Chloroisopropyl)ether	370	U	370	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-19	401003-DP017016	Butylbenzylphthalate	150	BJ	370	U	BL1	ug/Kg	MITKEM
M1908	SW8270	M1908-19	401003-DP017016	Nitrobenzene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-20	401003-DP018004	2,4-Dinitrophenol	750	U	750	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8270	M1908-20	401003-DP018004	2-Nitroaniline	750	U	750	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-20	401003-DP018004	4,6-Dinitro-2-methylphenol	750	U	750	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8270	M1908-20	401003-DP018004	Benzaldehyde	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-20	401003-DP018004	Benzo(k)fluoranthene	700		700	J	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-20	401003-DP018004	Bis(2-Chloroisopropyl)ether	370	U	370	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-20	401003-DP018004	Butylbenzylphthalate	170	BJ	370	U	BL1	ug/Kg	MITKEM
M1908	SW8270	M1908-20	401003-DP018004	Nitrobenzene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-21	401003-DP018016	2,4-Dimethylphenol	380	U	380	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-21	401003-DP018016	2,4-Dinitrophenol	770	U	770	UJ	ICVRSD, LCS-RPD	ug/Kg	MITKEM
M1908	SW8270	M1908-21	401003-DP018016	2-Nitroaniline	770	U	770	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-21	401003-DP018016	3,3'-Dichlorobenzidine	380	U	380	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-21	401003-DP018016	3-Nitroaniline	770	U	770	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-21	401003-DP018016	4,6-Dinitro-2-methylphenol	770	U	770	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8270	M1908-21	401003-DP018016	4-Chloroaniline	380	U	380	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-21	401003-DP018016	Benzaldehyde	380	U	380	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-21	401003-DP018016	Benzo(k)fluoranthene	380	U	380	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-21	401003-DP018016	Bis(2-Chloroisopropyl)ether	380	U	380	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-21	401003-DP018016	Butylbenzylphthalate	150	BJ	380	U	BL1	ug/Kg	MITKEM
M1908	SW8270	M1908-21	401003-DP018016	Nitrobenzene	380	U	380	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-21	401003-DP018016	Pentachlorophenol	770	U	770	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-22	401003-DP019008	2,4-Dimethylphenol	370	U	370	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-22	401003-DP019008	2,4-Dinitrophenol	740	U	740	UJ	ICVRSD, LCS-RPD	ug/Kg	MITKEM
M1908	SW8270	M1908-22	401003-DP019008	2-Nitroaniline	740	U	740	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-22	401003-DP019008	3,3'-Dichlorobenzidine	370	U	370	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-22	401003-DP019008	3-Nitroaniline	740	U	740	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-22	401003-DP019008	4,6-Dinitro-2-methylphenol	740	U	740	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8270	M1908-22	401003-DP019008	4-Chloroaniline	370	U	370	UJ	LCS-L	ug/Kg	MITKEM

Table 3 - Validation Reason Codes
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

SDG	Analysis Method	Lab Sample Id	Field Sample ID	Paramater Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M1908	SW8270	M1908-22	401003-DP019008	Benzaldehyde	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-22	401003-DP019008	Benzo(k)fluoranthene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-22	401003-DP019008	Bis(2-Chloroisopropyl)ether	370	U	370	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-22	401003-DP019008	Butylbenzylphthalate	130	BJ	370	U	BL1	ug/Kg	MITKEM
M1908	SW8270	M1908-22	401003-DP019008	Nitrobenzene	370	U	370	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-22	401003-DP019008	Pentachlorophenol	740	U	740	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-23DL	401003-DP019016	2,4-Dimethylphenol	1900	U	1,900	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-23DL	401003-DP019016	2,4-Dinitrophenol	3900	U	3,900	UJ	ICVRSD, CCV%D, LCS-RPD	ug/Kg	MITKEM
M1908	SW8270	M1908-23DL	401003-DP019016	3,3'-Dichlorobenzidine	1900	U	1,900	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-23DL	401003-DP019016	3-Nitroaniline	3900	U	3,900	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-23DL	401003-DP019016	4-Chloroaniline	1900	U	1,900	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-23DL	401003-DP019016	Benzaldehyde	1900	U	1,900	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-23DL	401003-DP019016	Bis(2-Chloroisopropyl)ether	1900	U	1,900	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-23DL	401003-DP019016	Pentachlorophenol	3900	U	3,900	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-24	401003-DP020008	2,4-Dimethylphenol	380	U	380	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-24	401003-DP020008	2,4-Dinitrophenol	760	U	760	UJ	ICVRSD, LCS-RPD	ug/Kg	MITKEM
M1908	SW8270	M1908-24	401003-DP020008	2-Nitroaniline	760	U	760	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-24	401003-DP020008	3,3'-Dichlorobenzidine	380	U	380	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-24	401003-DP020008	3-Nitroaniline	760	U	760	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-24	401003-DP020008	4,6-Dinitro-2-methylphenol	760	U	760	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8270	M1908-24	401003-DP020008	4-Chloroaniline	380	U	380	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-24	401003-DP020008	Benzaldehyde	380	U	380	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-24	401003-DP020008	Benzo(k)fluoranthene	380	U	380	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-24	401003-DP020008	Bis(2-Chloroisopropyl)ether	380	U	380	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-24	401003-DP020008	Butylbenzylphthalate	140	BJ	380	U	BL1	ug/Kg	MITKEM
M1908	SW8270	M1908-24	401003-DP020008	Nitrobenzene	380	U	380	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-24	401003-DP020008	Pentachlorophenol	760	U	760	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-25DL	401003-DP020016	2,4-Dimethylphenol	1900	U	1,900	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-25DL	401003-DP020016	2,4-Dinitrophenol	3900	U	3,900	UJ	ICVRSD, CCV%D, LCS-RPD	ug/Kg	MITKEM
M1908	SW8270	M1908-25DL	401003-DP020016	3,3'-Dichlorobenzidine	1900	U	1,900	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-25DL	401003-DP020016	3-Nitroaniline	3900	U	3,900	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-25DL	401003-DP020016	4-Chloroaniline	1900	U	1,900	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-25DL	401003-DP020016	Benzaldehyde	1900	U	1,900	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-25DL	401003-DP020016	Bis(2-Chloroisopropyl)ether	1900	U	1,900	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-25DL	401003-DP020016	Pentachlorophenol	3900	U	3,900	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-01	401003-SD016001	2,4-Dimethylphenol	350	U	350	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-01	401003-SD016001	2,4-Dinitrophenol	700	U	700	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8270	M1908-01	401003-SD016001	2-Nitroaniline	700	U	700	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-01	401003-SD016001	3,3'-Dichlorobenzidine	350	U	350	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-01	401003-SD016001	4,6-Dinitro-2-methylphenol	700	U	700	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8270	M1908-01	401003-SD016001	4-Chloroaniline	350	U	350	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-01	401003-SD016001	Benzaldehyde	350	U	350	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-01	401003-SD016001	Benzo(k)fluoranthene	350	U	350	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-01	401003-SD016001	Bis(2-Chloroisopropyl)ether	350	U	350	UJ	CCV%D	ug/Kg	MITKEM

Table 3 - Validation Reason Codes
DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

SDG	Analysis Method	Lab Sample Id	Field Sample ID	Paramater Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M1908	SW8270	M1908-01	401003-SD016001	Nitrobenzene	350	U	350	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-01	401003-SD016001	Pentachlorophenol	700	U	700	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-27	401003-SD017001	2,4-Dimethylphenol	350	U	350	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-27	401003-SD017001	2,4-Dinitrophenol	710	U	710	UJ	ICVRSD, LCS-RPD	ug/Kg	MITKEM
M1908	SW8270	M1908-27	401003-SD017001	2-Nitroaniline	710	U	710	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-27	401003-SD017001	3,3'-Dichlorobenzidine	350	U	350	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-27	401003-SD017001	3-Nitroaniline	710	U	710	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-27	401003-SD017001	4,6-Dinitro-2-methylphenol	710	U	710	UJ	ICVRSD	ug/Kg	MITKEM
M1908	SW8270	M1908-27	401003-SD017001	4-Chloroaniline	350	U	350	UJ	LCS-L	ug/Kg	MITKEM
M1908	SW8270	M1908-27	401003-SD017001	Benzaldehyde	350	U	350	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-27	401003-SD017001	Benzo(k)fluoranthene	350	U	350	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-27	401003-SD017001	Bis(2-Chloroisopropyl)ether	350	U	350	UJ	CCV%D	ug/Kg	MITKEM
M1908	SW8270	M1908-27	401003-SD017001	Butylbenzylphthalate	180	BJ	350	U	BL1	ug/Kg	MITKEM
M1908	SW8270	M1908-27	401003-SD017001	Nitrobenzene	350	U	350	UJ	CI	ug/Kg	MITKEM
M1908	SW8270	M1908-27	401003-SD017001	Pentachlorophenol	710	U	710	UJ	CI	ug/Kg	MITKEM

Notes:

mg/kg = milligram per kilogram
ug/kg = microgram per kilogram
ug/L = microgram per liter
mg/L - milligram per liter

Qualifiers
U = Not detected
J = result is estimated
R = result rejected
NJ = concentration is estimated and the presence of the analyte has been tentatively identified

Reason Codes:
BL1 = method blank qualifier
BL2 = field blank qualifier
SS-L = surrogate recovery below limits
SS-H = surrogate recovery above limits
CCVRRF = continuing calibration RRF low
IS-L = internal standard response below limit
CI = estimated result due to interference present in the sample
ICVRSD = initial calibration RSD above control limit
CCV%D = continuing calibration %D exceeds goal
LCS-L = LCS recovery low
LCS-RPD = LCS-LCSD RPD limit exceeded
FP = false positive interference

ATTACHMENT A
SUMMARY OF VALIDATION QC LIMITS FOR SURROGATES, SPIKES, AND DUPLICATES
BASED ON THE REGION 2 VALIDATION GUIDLINES

PARAMETER	QC TEST	ANALYTE	Soil (%R)	Soil (RPD)	WATER (%R)	Water (RPD)
Volatiles	Surrogate	All Surrogate Compounds	70 - 130		80 - 120	
	LCS	All Target Compounds	70 - 130		70 - 130	
	MS/MSD	All Target Compounds	70 - 130	35	70 - 130	20
	Field Duplicate	All Target Compounds		100		50
Semivolatiles	Surrogate	All BN Compounds	50 - 140		50 - 140	
		All Acid Compounds	30 - 140		30 - 140	
	LCS	All BN Compounds	50 - 140		50 - 140	
		All Acid Compounds	30 - 140		30 - 140	
	MS/MSD	All BN Compounds	50 - 140	35	50 - 140	20
		All Acid Compounds	30 - 140	35	30 - 140	20
	Field Duplicate	All Target Compounds		100		50
PCBs	Surrogate	All Surrogate Compounds	30 - 150		30 - 150	
	LCS	All Target Analytes	50 - 150		50 - 150	
	MS/MSD[1]	All Target Analytes	29 - 135	20	29 - 135	20
	Field Duplicate	All Target Analytes		100		50
Pesticides	Surrogate	All Surrogate Compounds	30 - 150		30 - 150	
	LCS	All Target Analytes	Lab Limits[3]		Lab Limits[3]	
	MS/MSD	All Target Analytes	Lab Limits[3]	Lab Limits[3]	Lab Limits[3]	Lab Limits[3]
	Field Duplicate	All Target Analytes		100		50
Inorganics-Metals	LCS	All Target Analytes	80 - 120		80 - 120	
	MS/MSD	All Target Analytes	75 -125	35	75 -125	20
	Lab Duplicate[2]	All Target Analytes		35		20
	Field Duplicate[2]	All Target Analytes		35		20

Notes:
LCS - Laboratory Control Sample
MS/MSD - Matrix spike/ Matrix Spike Duplicate
RPD = Relative percent difference
%R = percent recovery
QC Limits are based on USEPA Region II Data Validation Guidelines and Project QA/QC Objectives
1. RPD limit for Aroclcor 1016 = 15.
2. See additional duplicate criteria in USEPA Region II guideline.
3. Use Laboratory Limits. Use limits listed in SOP HW-44 Oct 2006 if no laboratory limits are listed.