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29 August 2013

Mr. Jeff Dyber, P.E. - Environmental Engineer 2
New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Eastern Remedial Action
625 Broadway
Albany, New York 12233

RE: National Heatset Printing Site
Operation & Maintenance and Monitoring Report (April 2013 – July 2013)
Soil Vapor Extraction System, In-Well Stripping Systems, and Groundwater Monitoring
1 Adams Boulevard, Town of Babylon, New York
New York State Department of Environmental Conservation Site No. 152140
EA Project No. 14907.16

Dear Mr. Dyber:

This letter report provides an overview of the ongoing operation of the site remediation systems (soil vapor extraction [SVE] system, on-site density-driven convection [DDC] systems, and off-site DDC system), as well as groundwater monitoring activities at the National Heatset Printing site in the Town of Babylon, New York (Figure 1). EA Engineering, P.C. and its affiliate EA Science & Technology, Inc. (EA) assumed management of the on-site SVE system under New York State Department of Environmental Conservation (NYSDEC) Work Assignment No. D004441-29. EA is currently performing site management under NYSDEC Work Assignment No. D007624-16, which was approved on November 6, 2012 and amended in April 2013 (EA assumed responsibility for management of the on-site and off-site DDC systems beginning on April 12, 2013). EA's task assignment includes monthly/quarterly visits for the DDC systems, a quarterly visit for the SVE system, and quarterly groundwater sampling. The activities are being conducted under the NYSDEC State Superfund Standby Contract. Remedial system details are presented in the NYSDEC-approved Site Management Plan (SMP) (EA 2013)[1], which includes the Operation & Maintenance (O&M) Manual for each system.

During the reporting period, an O&M visit was performed on the following dates by EA and/or EA's subcontractor (i.e., Preferred Environmental Services [PES], National Environmental Systems [NES], D&D Electric).

[1] EA. 2013. National Heatset Printing Co. State Superfund Site, Suffolk County, Town of Babylon, New York. Site Management Plan. Final. June.

Date	System	Purpose	Personnel
4/11/2013	NA	Final Date of AECOM Contract	--
4/13/2013	On-site DDC	PES notified of alarm via dial-out	--
4/16/2013	On-site DDC	Unscheduled visit; reset alarms, restart DDC System #1	PES
5/13/2013	Off-site DDC	Unscheduled visit; reprogram wireless modem	NES/EA
5/14/2013	On-site and Off-site DDC	Monthly visit	EA/PES
6/19/2013	On-site and Off-site DDC	Monthly visit	PES
6/24/2013	Off-site DDC	Unscheduled visit; system off / weekly gauging of off-site wells	PES
7/1/2013	Off-site DDC	Unscheduled visit; system off / weekly gauging of off-site wells	PES
7/8/2013	Off-site DDC	Unscheduled visit; weekly gauging of off-site wells / off-site system restarted	PES
7/15–7/16/2013	SVE and On-site DDC	Quarterly visit and sampling	EA/D&D
7/17–7/18/2013	Off-site DDC	Quarterly visit and sampling	EA/PES/D&D

In addition, quarterly groundwater monitoring activities were performed by EA/PES from July 15 to 18, 2013.

1. SYSTEM OPERATION

1.1 SOIL VAPOR EXTRACTION

The SVE system was operational for a total of 2,470 hours out of an available 2,470 hours (100 percent of the total available) during this reporting period (April 4, 2013 – July 16, 2013) as presented in Table 1. The location of the SVE system and associated monitoring wells/points is presented in Figure 2. The system was observed to be operating upon departure from the site on April 4, 2013 and upon arrival at the site on July 16, 2013. However, the hour meter for the SVE blower motor only recorded 1,221 hours during the period, which does not correlate with the number of available hours. Therefore, EA will troubleshoot the hour meter during the next site visit and replace/repair as necessary.

In addition, during the July 16, 2013 visit, EA observed that the Sensaphone unit for the SVE system had been vandalized. The outer plastic enclosure had been cracked and the keypad had been damaged, making the Sensaphone unit inoperable. EA removed the unit and returned it to the manufacturer for repair/replacement during the next site visit. The vandalism associated with the Sensaphone unit did not affect the operation of the SVE system.

No other operational issues were observed with the SVE system during the reporting period.

1.2 ON-SITE DDC

There are two separate DDC systems located in the vicinity of the source area referred to as "on-site DDC system #1" and "on-site DDC system #2". On-site DDC system #1 operates using DDC wells 1 and 2, and on-site DDC system #2 operates using DDC wells 3 and 4. During this reporting period (April 10, 2013 – July 16, 2013), on-site DDC system #1 was operational for a total of 2,252 hours out of an available 2,328 hours (97 percent of the total available); on-site DDC system #2 was operational for a total of 2,325 hours out of an available 2,327 hours (100 percent of the total available). A summary of the operational time associated with the on-site DDC systems is presented in Table 1. The locations of the on-site DDC systems and associated monitoring wells are shown in Figure 3.

On-site DDC system #1 alarmed on April 13, 2013 due to a power interruption and the system was restarted by PES on April 16, 2013. No other operational issues were observed with the on-site DDC systems during the reporting period.

1.3 OFF-SITE DDC

The off-site DDC system is located along the downgradient edge of the dissolved-phase groundwater plume and is currently equipped with two blowers (designated as "B-501" and "B-502"). Blower B-501 is currently being used to operate DDC wells 5, 9 and 10; blower B-502 is currently being used to operate DDC wells 6, 7, and 8. During this reporting period (April 10, 2013 – July 18, 2013), the off-site DDC system was operational for a total of 1,246 hours out of an available 2,373 hours (50 percent of the total available). The off-site DDC system was operated during the period using both blowers; a summary of the operational time associated with the off-site DDC system is presented in Table 1. The location of the off-site DDC system and associated monitoring wells is shown in Figure 4.

The off-site DDC system was observed to be shut down during the routine monthly visit by PES on June 19, 2013. It was determined that the system had alarmed on May 31, 2013 due to a power interruption; however, the system did not restart automatically (as designed), nor was an alarm message received due to a suspected malfunction in the control panel. PES attempted to restart the system on June 19, 2013; however, the system was turned back off immediately due to high vacuum/pressure levels in the process equipment. As discussed with NYSDEC on June 20, 2013, it was determined that the water table in the vicinity of the off-site system had increased approximately 2 ft since the April 2013 gauging event, due to unusually high amounts of rainfall during May/June 2013. PES obtained weekly water levels from the off-site monitoring well locations on June 24, July 1, and July 8, 2013 to determine when it would be appropriate to restart the system. By July 17, 2013, the water table elevation had returned to levels observed in April 2013; therefore, the decision was made to restart the off-site DDC system the same day.

EA is currently troubleshooting the telemetry issue with the system manufacturer. No other operational issues were observed with the off-site DDC system during the reporting period.

2. SYSTEM PERFORMANCE MONITORING

2.1 SOIL VAPOR EXTRACTION SYSTEM

System Data

Operational data for this period have been based on the system measurements and vapor sample data collected during the July 2013 quarterly visit. The SVE blower flow rate was 250 ft^3/minute (cfm), which included a flow of 150 cfm from the extraction well, at an applied vacuum of 15 in. of water. A complete set of operational data collected is presented in Table 2A, as well as Attachment A.

Monitoring Points (Vacuum)

The following vacuum data (inches of water column) were observed at the listed vapor monitoring points during the monitoring period (Figure 2).

Vapor Monitoring Point	Vacuum Reading (Inches H_2O)
	July 16, 2013
VP-1	1.2
VP-2	0.1
VP-3	0.0
VP-7	0.0
VP-8	0.1
VP-9	---
VP-10	---
VP-11	0.2
VP-12	0.2
VP-13	0.0
VP-14	0.0
VP-15	0.0
NOTE: --- = Unable to access monitoring point.	

2.2 ON-SITE DDC SYSTEMS

Operational data for this period have been based on the monthly system measurements and vapor sample data collected during the July 2013 quarterly visit. For on-site DDC system #1, the average vapor extraction flow rate was 405 cfm at an average applied vacuum of 26 in. of water. For on-site DDC system #2, the average vapor extraction flow rate was 341 cfm at an average applied vacuum of 50 in. of water.

Operational data are summarized in Tables 2B and 2C, and on the site visit data collection forms provided in Attachment A.

2.3 OFF-SITE DDC SYSTEM

Operational data for this period have been based on the monthly system measurements and vapor sample data collected during the July 2013 quarterly visit. The average vapor extraction flow rates for the off-site DDC system were 417 cfm (blower B-501) and 420 cfm (blower B-502); the average applied vacuums for the off-site DDC system were 24 in. of water (blower B-501) and 23 in. of water (blower B-502).

Operational data are summarized in Tables 2D and 2E, and on the site visit data collection forms provided in Attachment A.

3. GROUNDWATER MONITORING

Groundwater monitoring activities performed during the July 2013 quarterly event included well gauging and collection of groundwater samples for off-site laboratory analysis. Well gauging and groundwater sampling activities were performed in accordance with the SMP (EA 2013)[1]. Groundwater samples were obtained at the on-site wells from July 15 to 16, 2013, and at the off-site wells from July 17 to 18, 2013. Duplicate samples were obtained from on-site well DDC-2-PD (sample number "DUP071513") and off-site well DDC-5-PD (sample number "DUP071713"). All groundwater samples were analyzed for volatile organic compounds (VOCs) using U.S. Environmental Protection Agency (EPA) Method 8260B.

4. RESULTS

4.1 SOIL VAPOR EXTRACTION SYSTEM

EA personnel collected a grab air sample from the system effluent using a Tedlar bag and submitted the sample to Eurofins Air Toxics, Inc. The sample was analyzed for VOCs using EPA Method TO-15. Tetrachloroethylene (PCE), trichloroethene (TCE), and dichloroethene (DCE) were detected at the following concentrations:

Date	DCE	TCE	PCE
7/16/13	0.019	0.110	5.3
NOTE: Units are milligrams/meter^3			

A summary of the field monitoring results, laboratory air discharge analytical results, and estimated mass recovery are presented in Table 2A; the laboratory data reports are presented in Attachment B.

Based on the effluent sampling results, an estimated total of 18.69 lbs of PCE has been discharged during the year 2013 toward the permitted annual discharge limit of 270 lbs. An estimated total of 0.69 lbs of TCE has been discharged during the year 2013 toward the permitted annual discharge limit of 120 lbs. A negligible amount of DCE was discharged during the reporting period (the annual discharge limit is 5,510 lbs).

4.2 ON-SITE DDC SYSTEMS

EA personnel collected grab air samples from the system influent and effluent at both on-site DDC systems using Tedlar bags and submitted the samples to Eurofins Air Toxics, Inc. Grab samples were also obtained between the carbon vessels at both on-site DDC systems. The samples were analyzed for VOCs using EPA Method TO-15.

A summary of the field monitoring results, laboratory air discharge analytical results, and estimated mass recovery are presented in Tables 2B and 2C; the laboratory data reports are presented in Attachment B.

Based on the difference between the influent and effluent sampling results, an estimated total of 33.82 lbs (on-site DDC system #1) and 2.52 lbs (on-site DDC system #2) of PCE were recovered from the subsurface in the vicinity of the source area during the reporting period. An estimated total of 0.54 lbs (on-site DDC system #1) and 0.08 lbs (on-site DDC system #2) of TCE were recovered from the subsurface in the vicinity of the source area during the reporting period. An estimated total of 0.41 lbs (on-site DDC system #1) and 0.42 lbs (on-site DDC system #2) of DCE were recovered from the subsurface in the vicinity of the source area during the reporting period.

4.3 OFF-SITE DDC SYSTEM

EA personnel collected grab air samples from the system influent and effluent at the off-site DDC system (blowers B-501 and B-502) using Summa® canisters and submitted the samples to Eurofins Air Toxics, Inc. Grab samples were also obtained between the carbon vessels at the off-site DDC system (blowers B-501 and B-502). The samples were analyzed for VOCs using EPA Method TO-15.

A summary of the field monitoring results, laboratory air discharge analytical results, and estimated mass recovery are presented in Tables 2D and 2E; the laboratory data reports are presented in Attachment B.

Based on the influent and effluent sampling results, a negligible amount of PCE, TCE, and DCE were recovered from the subsurface along the downgradient edge of the dissolved-phase plume during the reporting period.

4.4 GROUNDWATER MONITORING

4.4.1 Well Gauging

SVE System

The following gauging data (feet below top-of-casing) were collected during the monitoring period in the vicinity of the SVE system.

Date	MW-C	MW-E	MW-G
7/16/13	---	15.65	---
NOTE: --- = Unable to access monitoring point.			

Based on the quarterly gauging data, the groundwater table elevation in the vicinity of the SVE system increased approximately 0.9 ft from April 2013 to July 2013.

DDC Systems

Based on gauging data obtained from the on-site and off-site wells, the groundwater flow direction across the site is to the south, as depicted in Figures 5 and 6. Gauging data are provided on Figures 5 and 6, as well as the field data sheets (Attachment A).

As mentioned in Section 1 of this report, the groundwater table elevation in the vicinity of the off-site system increased approximately 2 ft during May/June 2013 due to unusually high amounts of rainfall within that period. By mid-July 2013, the water table elevation had returned to levels observed in April 2013 and the off-site DDC system was restarted during performance of the quarterly site visit.

4.4.2 Groundwater Laboratory Analytical Results

On-site Monitoring Wells

A summary of the detected VOC concentrations for groundwater samples obtained from the on-site monitoring wells are presented in Table 3A for the July 2013 quarterly sampling event.

Laboratory analytical results are included in Attachment C. PCE, TCE, and DCE were identified at concentrations greater than the corresponding ambient water quality standard in 12 of the 18 samples collected. VOCs were not detected in MW-1S, MW-5D, or MW-14D. Concentrations of compounds detected in on-site groundwater samples collected during the July 2013 sampling event are shown in Figure 7.

Off-site Monitoring Wells

A summary of the detected VOC concentrations for groundwater samples obtained from the off-site monitoring wells are presented in Table 3B for the July 2013 quarterly sampling event. Laboratory analytical results are included in Attachment C. PCE, TCE, and DCE were identified at concentrations greater than the corresponding ambient water quality standard in 5 of the 19 samples collected. VOCs were not detected in eight of the off-site wells. Concentrations of compounds detected in off-site groundwater samples collected during the July 2013 sampling event are shown in Figure 8.

5. CONCLUSIONS AND RECOMMENDATIONS

Based on the data collected from the remediation systems and site groundwater during this reporting period, EA recommends continued operation of each system (SVE, on-site DDC, and off-site DDC).

Please do not hesitate to contact me at 315-431-4610 with any questions you might have regarding this report.

Sincerely,

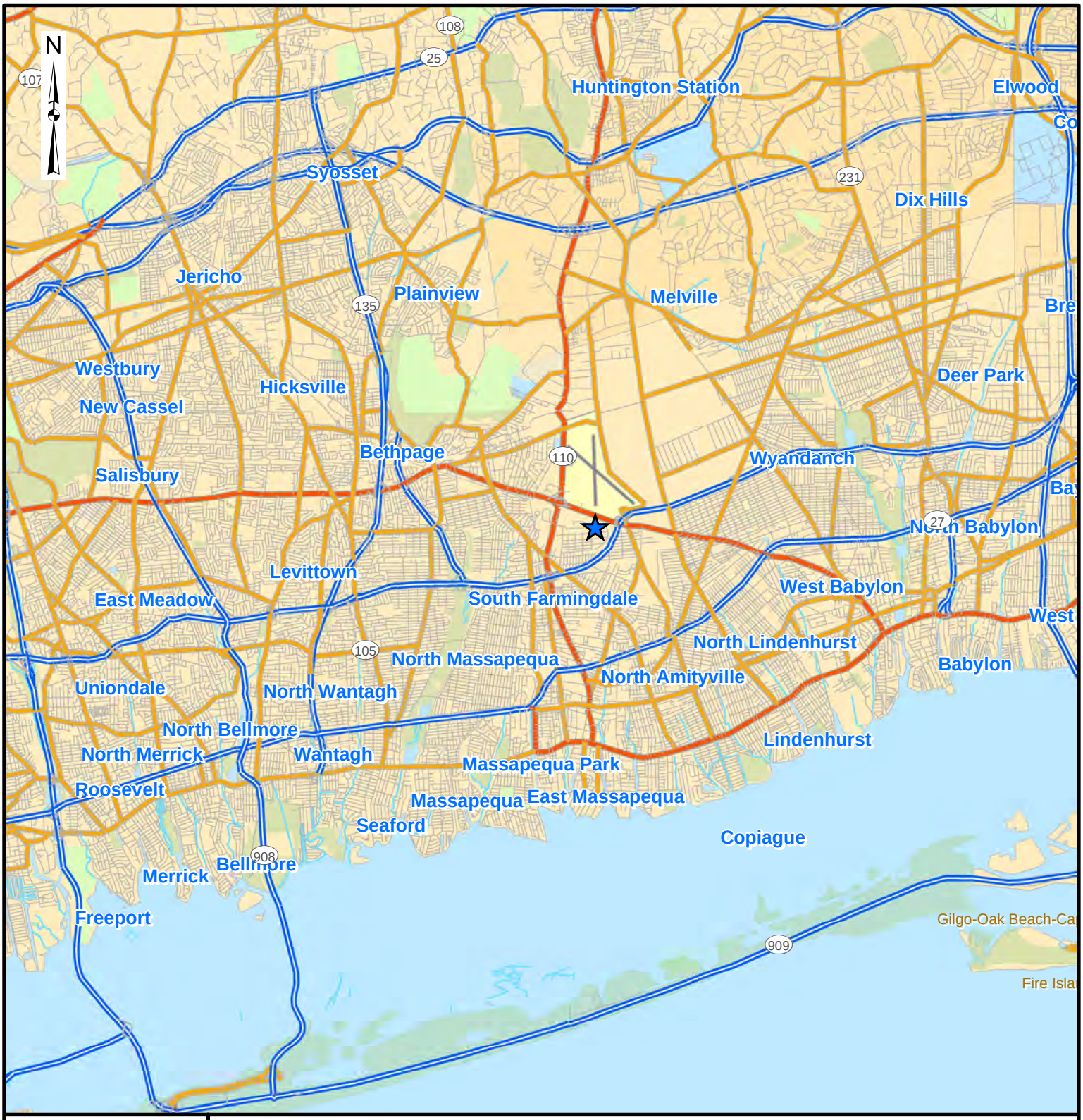
EA SCIENCE AND
TECHNOLOGY, INC.

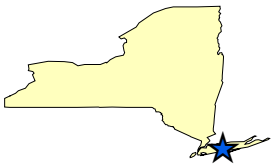
James C. Hayward

James C. Hayward, P.E.
Project Manager

JCH/drs

Attachments





LEGEND

★ Site Location

0 1 2 4 Miles

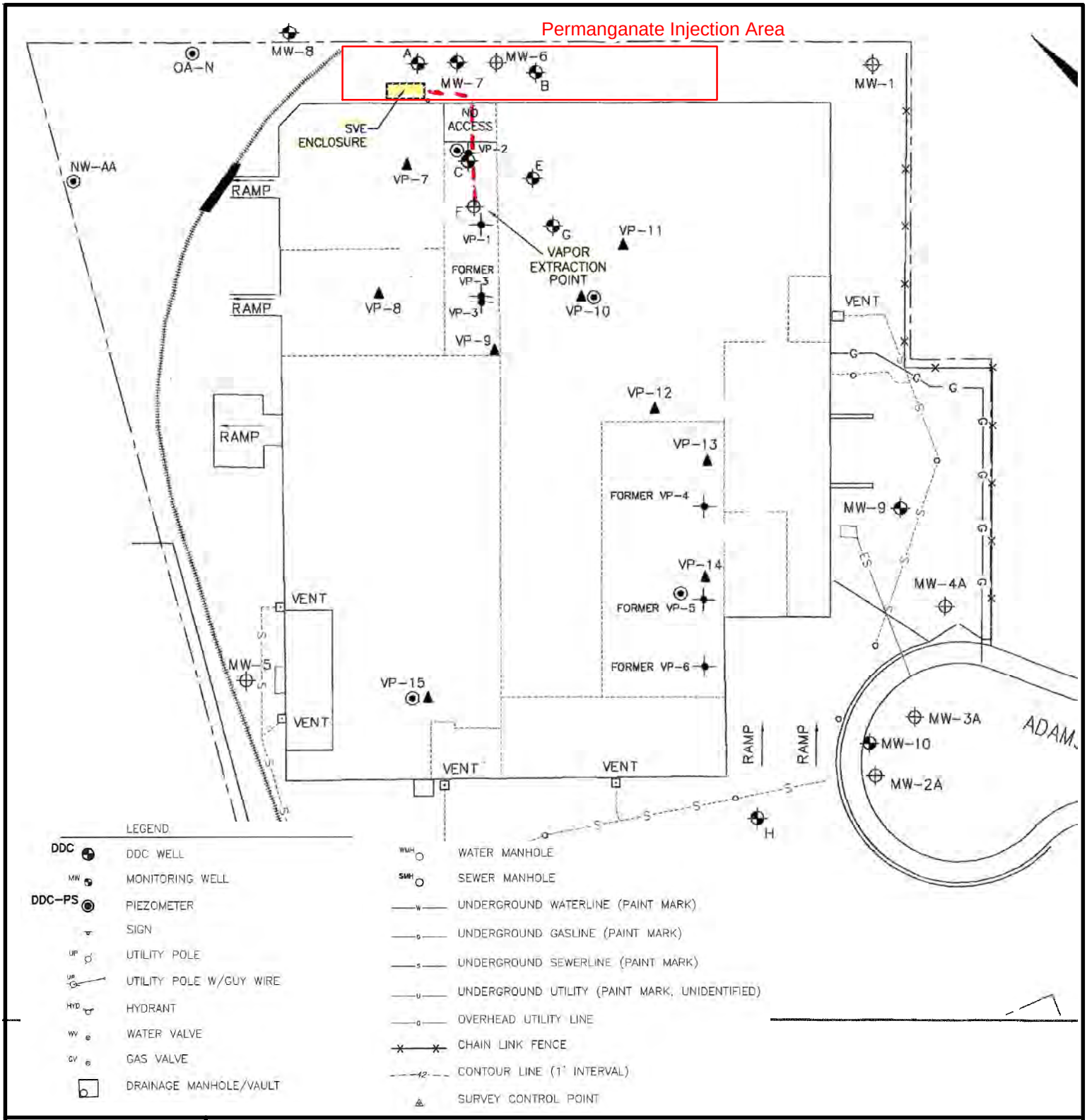
1 inch = 2 miles

Source: StreetMap USA

NATIONAL HEATSET SITE (152140)
QUARTERLY O&M AND MONITORING REPORT
BABYLON, NEW YORK
SUFFOLK COUNTY

FIGURE 1
Site Location Map

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	FILE NO:
JCH	CJS	CJS	JCH	AS SHOWN	AUG 2013	14907.16	GIS/PROJECTS/ FIGURE1.MXD



Reprinted from: Figure developed by Shaw Environmental, Inc.
and adpated by O'Brien & Gere Engineers, Inc. & EA Engineering, PC

NATIONAL HEATSET SITE (152140)
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FIGURE 2
ON-SITE TREATMENT
SYSTEM LOCATION
(SVE SYSTEM)

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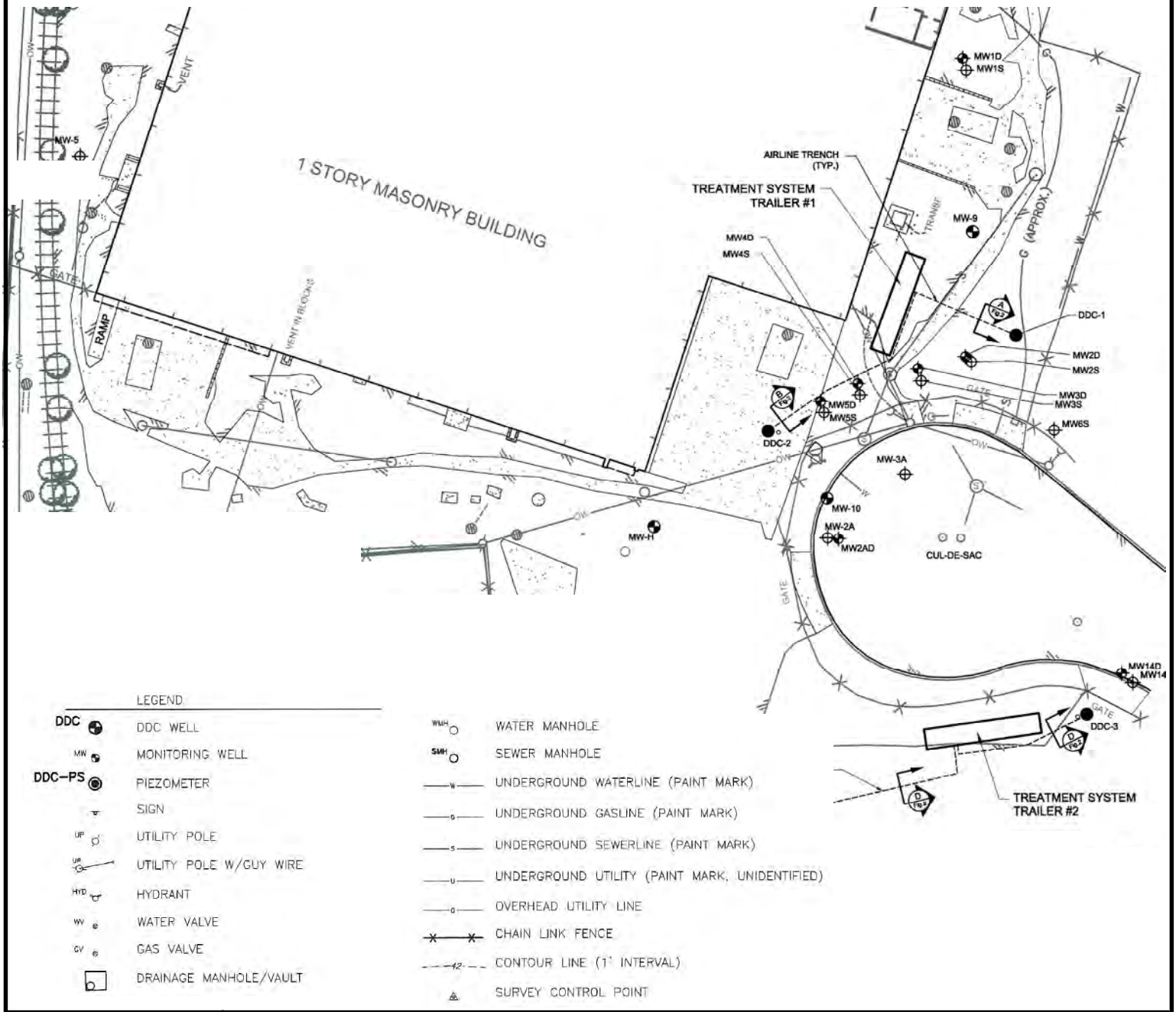
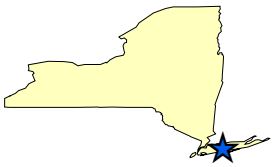
JCH	CJS	CJS	JCH	AS SHOWN	AUG 2013	14907.16	GIS/PROJECTS/ FIGURE2.MXD





Reprinted from: Figure 1 *As-Built Drawings*. AECOM. October 2012. Detailed drawing available as Appendix D: Final Engineering Report. EA Engineering, PC. 2013

NATIONAL HEATSET SITE (152140)
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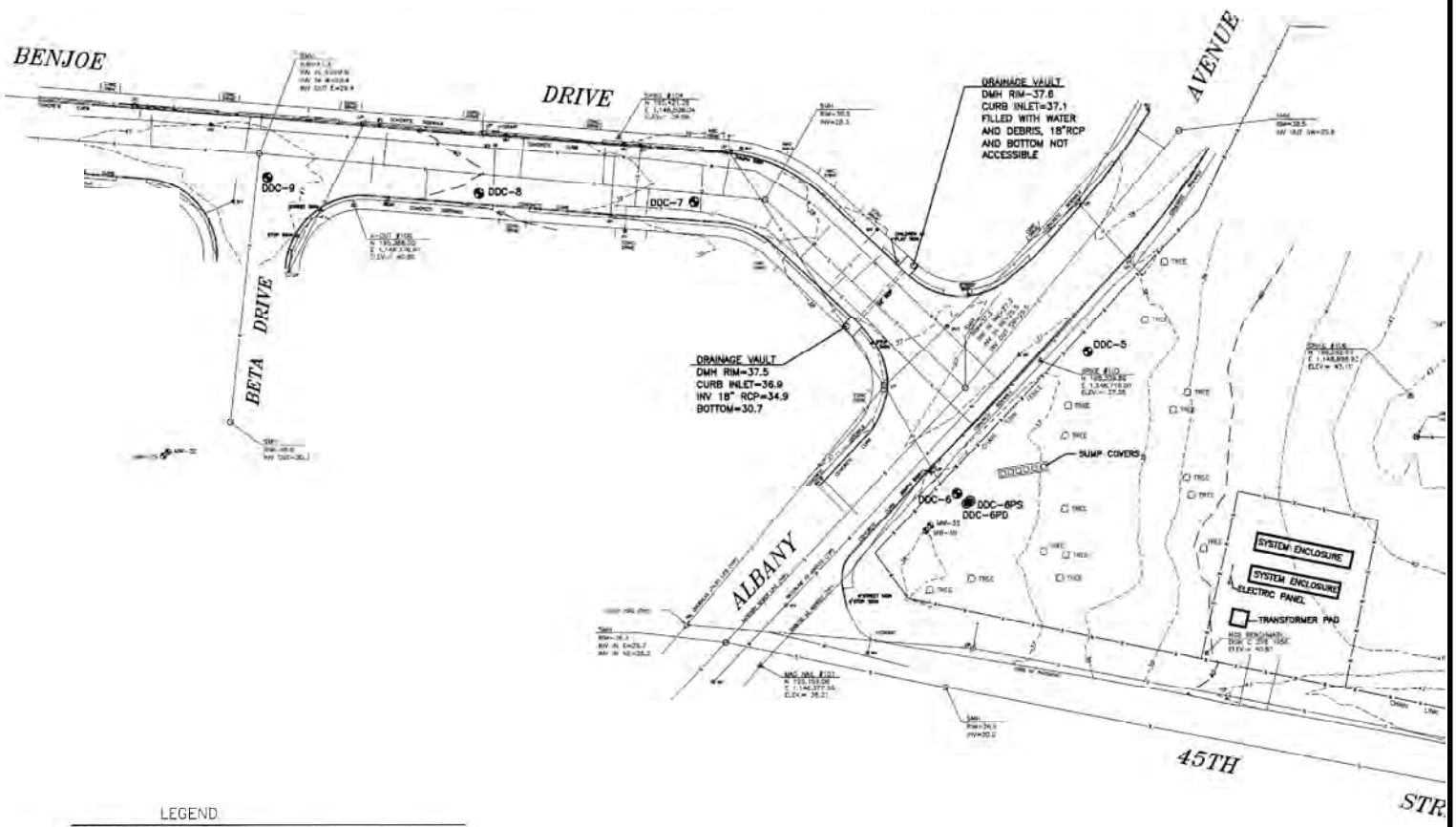
SUFFOLK COUNTY

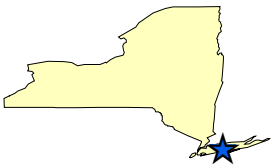
FIGURE 3
ON-SITE TREATMENT SYSTEM LOCATIONS
(DDC #1 and DDC #2)

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	FILE NO:
JCH	CJS	CJS	JCH	AS SHOWN	AUG 2013	14907.16	GIS/PROJECTS/ FIGURE3.MXD



LEGEND

DDC	DDC WELL
MW	MONITORING WELL
DDC-PS	PIEZOMETER
	SIGN
UP	UTILITY POLE
UP	UTILITY POLE W/GUY WIRE
HYD	HYDRANT
WV	WATER VALVE
GV	GAS VALVE
	DRAINAGE MANHOLE/VAULT
WMH	WATER MANHOLE
SMH	SEWER MANHOLE
—W—	UNDERGROUND WATERLINE (PAINT MARK)
—G—	UNDERGROUND GASLINE (PAINT MARK)
—S—	UNDERGROUND SEWERLINE (PAINT MARK)
—U—	UNDERGROUND UTILITY (PAINT MARK, UNIDENTIFIED)
—O—	OVERHEAD UTILITY LINE
—X—X—	CHAIN LINK FENCE
--12--	CONTOUR LINE (1' INTERVAL)
	SURVEY CONTROL POINT



Reprinted from: Drawing C-01 *As-Built Drawings*. AECOM. October 2012. Detailed drawing available as Appendix D: Final Engineering Report. EA Engineering, PC. 2013

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FIGURE 4
OFF-SITE TREATMENT
SYSTEM LOCATION
(DDC SYSTEM)

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	FILE NO:
JCH	CJS	CJS	JCH	AS SHOWN	AUG 2013	14907.16	GIS/PROJECTS/ FIGURE4.MXD

Legend

Groundwater Monitoring Well

Interpreted Flow Direction

Inferred Groundwater Contour

Interpreted Groundwater Contour

0 25 50 100 Feet

Source: NYSDEC OrthoPhotography - 2011, Groundwater Elevations recorded July 2013

NATIONAL HEATSET SITE (152140)
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FIGURE 5
ONSITE GROUNDWATER
FLOW DIRECTION
(JULY 2013)

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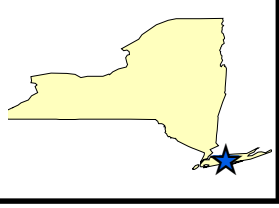
JCH	CJS	CJS	JCH	AS SHOWN	AUG 2013	14907.16	GIS/PROJECTS/ FIGURE5.MXD



Legend

- DDC Well Cluster
- Groundwater Monitoring Well
- Interpreted Groundwater Flow Direction
- Inferred Groundwater Contour
- Interpreted Groundwater Contour

Feet: 0 50 100 200

Source: NYSDEC OrthoPhotography - 2011, Groundwater Elevations recorded July 2013

NATIONAL HEATSET SITE (152140)
QUARTERLY O&M AND MONITORING REPORT
BABYLON, NEW YORK
SUFFOLK COUNTY

FIGURE 6
OFF-SITE GROUNDWATER FLOW DIRECTION (JULY 2013)

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	FILE NO:
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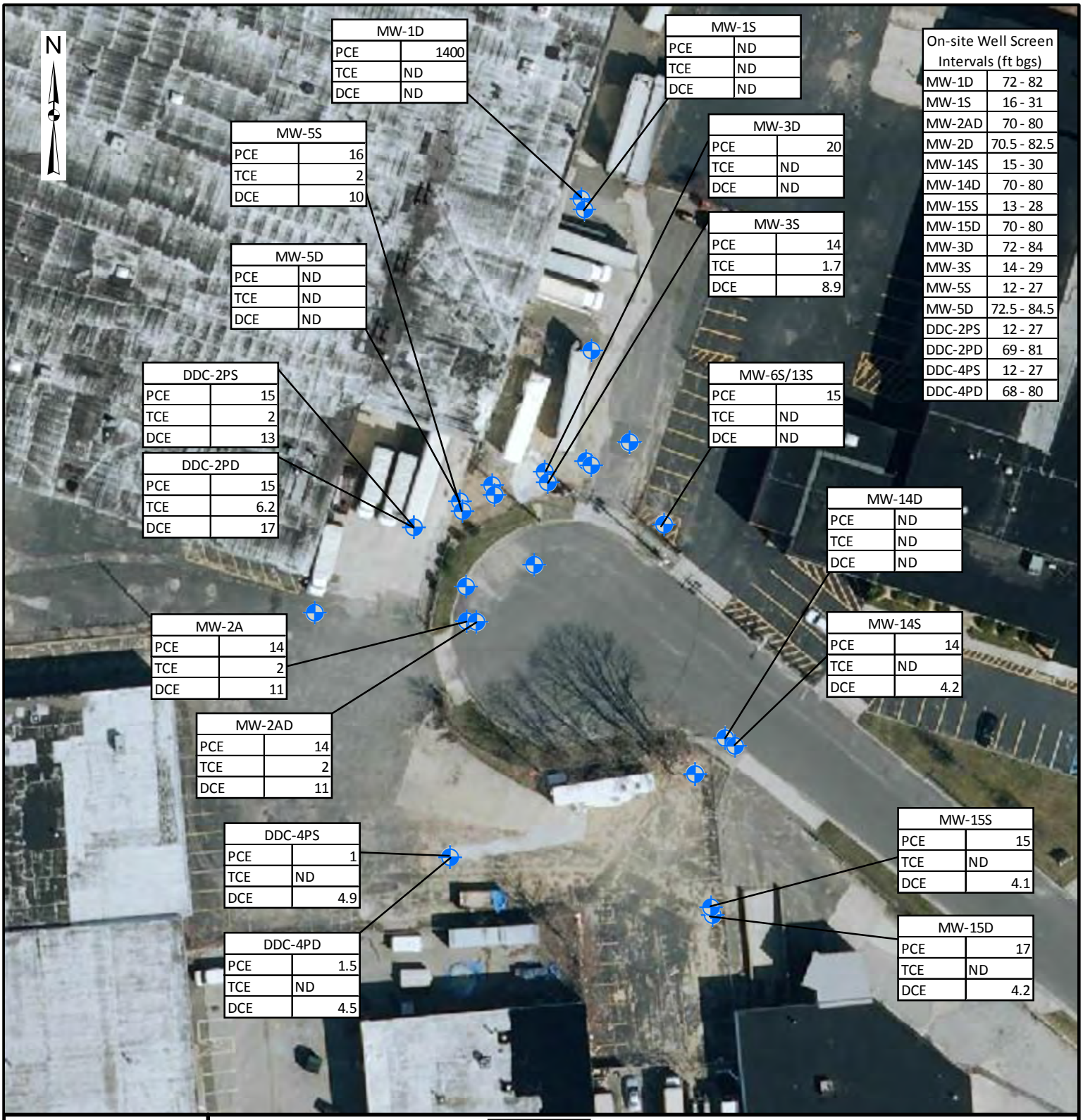
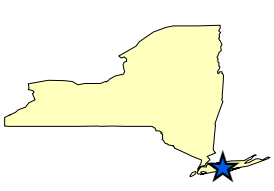




Legend

Groundwater Monitoring Well

MW-1D	
PCE	410
TCE	1.5
DCE	ND

PCE - Tetrachloroethene
TCE - Trichloroethene
DCE - cis-1,2-Dichloroethene
Results are reported in µg/L

0 30 60 120 Feet

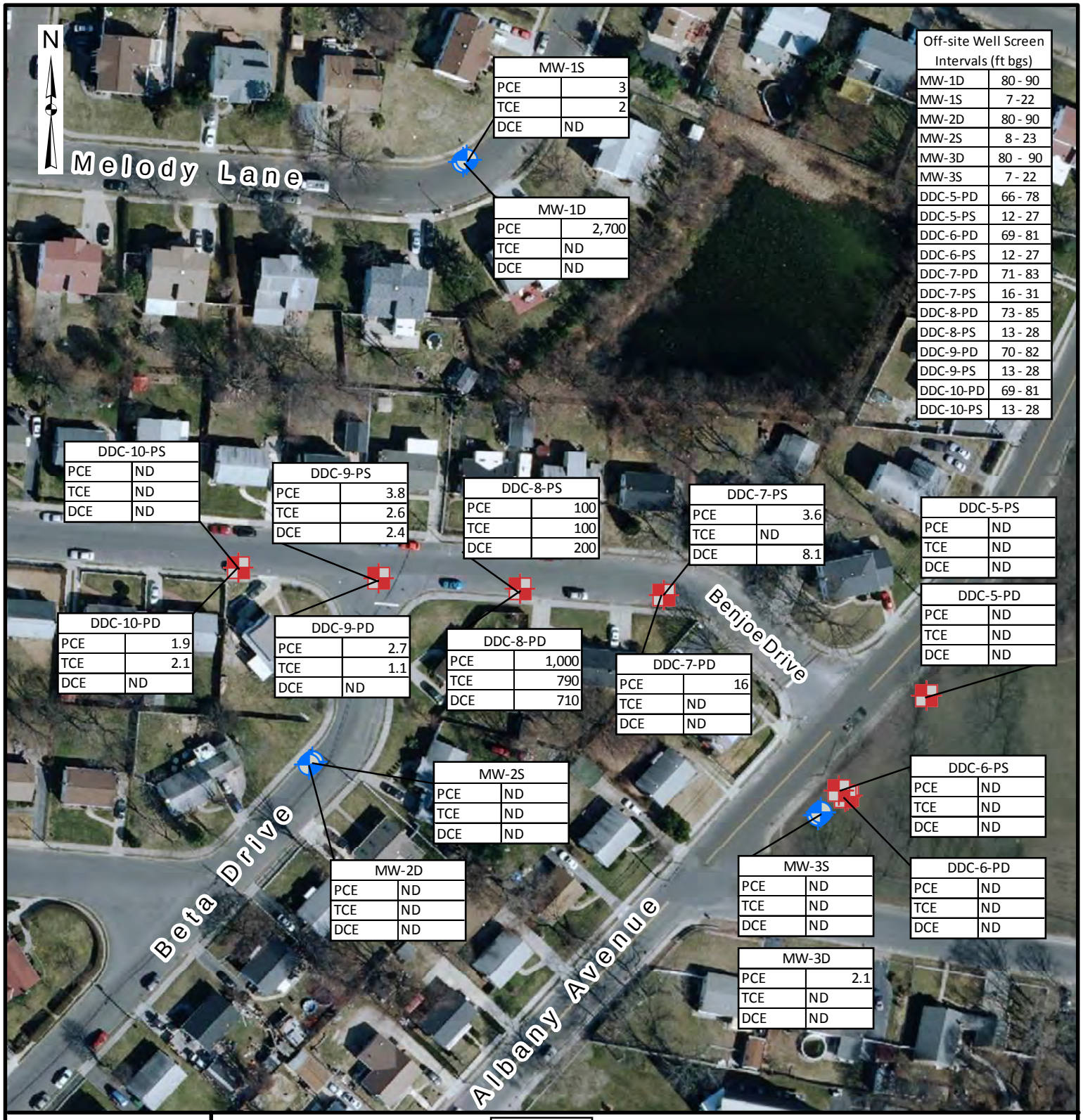
1 inch = 60 feet

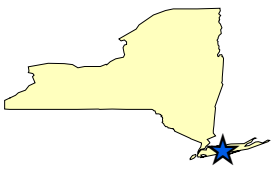
Source: NYSDEC OrthoPhotography - 2011

NATIONAL HEATSET SITE (152140)
QUARTERLY O&M AND MONITORING REPORT
BABYLON, NEW YORK
SUFFOLK COUNTY

FIGURE 7
ON-SITE
GROUNDWATER
QUALITY (JULY 2013)

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	FILE NO:
JCH	CJS	CJS	JCH	AS SHOWN	AUG 2013	14907.16	GIS/PROJECTS/ FIGURE7.MXD





Legend

DDC Well Cluster

Groundwater Monitoring Well

MW-1D	
PCE	410
TCE	1.5
DCE	ND

PCE - Tetrachloroethene
TCE - Trichloroethene
DCE - cis-1,2-Dichloroethene
Results are reported in µg/L

Feet
0 50 100 200
1 inch = 100 feet

Source: NYSDEC OrthoPhotography - 2011

NATIONAL HEATSET SITE (152140)
QUARTERLY O&M AND MONITORING REPORT
BABYLON, NEW YORK
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FIGURE 8
OFF-SITE
GROUNDWATER QUALITY
(JULY 2013)

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JCH	CJS	CJS	JCH	AS SHOWN	AUG 2013	14907.08	GIS/PROJECTS/ FIGURE8.MXD

TABLE 1 TREATMENT SYSTEM RUNTIME

Date	SVE System – SVE Blower: Meter Reading (Hrs)	Time	Elapsed Runtime (Hrs.)	Elapsed Available (Hrs.)	Runtime (%)
04/04/13	56,702.9	11:00	--	--	--
07/16/13	59,172.4	8:30	2469.5	2469.5	1.0000
Quarterly Run-Time	--	--	**2469.50**	**2469.50**	**1.00**

Date	On-Site DDC Treatment System – System #1: Meter Reading (Hrs)	Time	Elapsed Runtime (Hrs.)	Elapsed Available (Hrs.)	Runtime (%)	System #2: Meter Reading (Hrs)	Time	Elapsed Runtime (Hrs.)	Elapsed Available (Hrs.)	Runtime (%)
04/10/13	15,069.0	8:45	--	--	--	17,813.8	9:02	--	--	--
05/14/13	15,810.0	9:54	741.0	817.1	0.9068	18,628.4	9:21	814.6	816.3	0.9979
06/19/13	16,673.1	9:00	863.1	863.1	1.0000	19,491.5	8:22	863.1	863.0	1.0001
07/16/13	17,321.0	9:00	647.9	648.0	0.9998	20,139.3	8:20	647.8	648.0	0.9997
Quarterly Run-Time	--	--	**2252.00**	**2328.25**	**0.97**	--	--	**2325.50**	**2327.30**	**1.00**

Date	Off-Site DDC Treatment System – Blower B-501: Meter Reading (Hrs)	Time	Elapsed Runtime (Hrs.)	Elapsed Available (Hrs.)	Runtime (%)	Blower B-502: Meter Reading (Hrs)	Time	Elapsed Runtime (Hrs.)	Elapsed Available (Hrs.)	Runtime (%)
04/10/13	6,839.1	9:25	--	--	--	7,115.0	9:25	--	--	--
05/14/13	7,656.2	10:26	817.1	817.0	1.0001	7,932.1	10:26	817.1	817.0	1.0001
06/19/13	8,066.6	11:15	410.4	864.8	0.4746	8,342.5	11:15	410.4	864.8	0.4746
07/18/13	8,085.3	7:00	18.7	691.7	0.0270	8,361.3	7:00	18.8	691.7	0.0272
Quarterly Run-Time	--	--	**1246.20**	**2373.58**	**0.50**	--	--	**1246.30**	**2373.58**	**0.50**

April 10, 2013 denotes Final AECOM O&M reading for DDC systems.
July 16, 2013 "Meter Reading" value was adjusted for the SVE system to override a malfunctioning run-clock meter.
NOTE: SVE = Soil Vapor Extraction
DDC = Density Driven Convection

TABLE 2A SUMMARY OF ESTIMATED RECOVERY RATE VIA SOIL VAPOR EXTRACTION SYSTEM

	Field/System Data				Laboratory Results			Mass Recovery					
Date	SVE Blower Flow Rate (cfm)	Applied Vacuum (in. H_20)	System Effluent VOC Concentration (ppm_v)	Elapsed Run-Time (day)	PCE (mg/m^3)	TCE (mg/m^3)	*cis* -1,2-DCE (mg/m^3)	PCE Discharge During Period lb/hr	PCE Discharge During Period (lb)	TCE Discharge During Period (lb/hr)	TCE Discharge During Period (lb)	*cis* -1,2-DCE Discharge During Period (lb/hr)	*cis* -1,2-DCE Discharge During Period (lb)
1/24/2013	200	15	0.0	70	1.7	0.18	0.0230	0.0013	2.14	0.0001	0.23	0.000	0.00
4/4/2013	206	16	2.1	70	3.3	0.16	0.0320	0.0025	4.28	0.0001	0.21	0.000	0.00
7/16/2013	250	15	0.4	103	5.3	0.11	0.0190	0.0050	12.27	0.0001	0.25	0.000	0.00
								2013 TOTALS =	**18.69**		**0.69**		**0.00**

NOTE: cfm = cubic feet per minute
VOC = Volatile organic compound
ppm_v = parts per million (vol./vol.)
mg/m^3 = milligrams per cubic meter
PCE = Tetrachloroethylene
TCE = Trichloroethene
cis -1,2-DCE = *cis* -1,2-Dichloroethene
Mass Recovery (Lab Res., lb/hr) = flow (cfm)*effluent conc. (mg/cu. m.)*1g/1000mg*1lb/453.6g*1cu. m./35.31cu. ft*60min/1 hr
Mass Recovery (Lab Res., lb) = Discharge Rate (lb/hr) * # of days*24hours/day
Permit limit for PCE is 0.031 lb/hr and 270 lb/yr; TCE is 0.014 lb/hr and 120 lb/year; cis-1,2-DCE is 0.63 lb/hr and 5,510 lb/year

TABLE 2B SUMMARY OF ESTIMATED RECOVERY RATE VIA ONSITE DDC SYSTEM #1

	Field/System Data				Laboratory Results									Recovery based on Laboratory Results					
					SYS1-INF1			SYS1-MIDGAC			SYS1-EFF								
Date	Vacuum Flow Rate (cfm)	Applied Vacuum (in. H_20)	System Influent VOC Concentration (ppm_v)	Elapsed Run-Time (days)	PCE (mg/m^3)	TCE (mg/m^3)	*cis* -1,2-DCE (mg/m^3)	PCE (mg/m^3)	TCE (mg/m^3)	*cis* -1,2-DCE (mg/m^3)	PCE (mg/m^3)	TCE (mg/m^3)	*cis* -1,2-DCE (mg/m^3)	PCE Recovery During Period lb/hr	PCE Recovery During Period (lb)	TCE Recovery During Period (lb/hr)	TCE Recovery During Period (lb)	*cis* -1,2-DCE Recovery During Period (lb/hr)	*cis* -1,2-DCE Recovery During Period (lb)
5/14/2013	405	26.5	1.5	31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6/19/2013	405	26.5	1.0	36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/16/2013	404	26	2.9	27	10.0000	0.1600	0.4200	0.3600	0.1500	0.6400	0.1000	0.0033	0.3000	0.0150	33.82	0.0002	0.54	0.0002	0.41
														2013 TOTALS =	**33.82**		**0.54**		**0.41**

NOTE: cfm = cubic feet per minute
VOC = Volatile organic compound
ppm_v = parts per million (vol./vol.)
mg/m^3 = milligrams per cubic meter
PCE = Tetrachloroethylene
TCE = Trichloroethene
cis -1,2-DCE = *cis* -1,2-Dichloroethene
Mass Recovery (Lab Res., lb/hr) = flow (cfm)*effluent conc. (mg/cu. m.)*1g/1000mg*1lb/453.6g*1cu. m./35.31cu. ft*60min/1 hr
Mass Recovery (Lab Res., lb) = Discharge Rate (lb/hr) * # of days*24hours/day

TABLE 2C SUMMARY OF ESTIMATED RECOVERY RATE VIA ONSITE DDC SYSTEM #2

	Field/System Data				Laboratory Results									Recovery based on Laboratory Results					
					SYS2-INF1			SYS2-MIDGAC			SYS2-EFF								
Date	Vacuum Flow Rate (cfm)	Applied Vacuum (in. H_20)	System Influent VOC Concentration (ppm_v)	Elapsed Run-Time (day)	PCE (mg/m^3)	TCE (mg/m^3)	*cis* -1,2-DCE (mg/m^3)	PCE (mg/m^3)	TCE (mg/m^3)	*cis* -1,2-DCE (mg/m^3)	PCE (mg/m^3)	TCE (mg/m^3)	*cis* -1,2-DCE (mg/m^3)	PCE Recovery During Period: lb/hr	PCE Recovery During Period (lb)	TCE Recovery During Period (lb/hr)	TCE Recovery During Period (lb)	*cis* -1,2-DCE Recovery During Period (lb/hr)	*cis* -1,2-DCE Recovery During Period (lb)
5/14/2013	336	49	0.2	34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6/19/2013	336	47.6	0.1	36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/16/2013	350	54.4	0.0	27	0.8600	0.0310	0.2300	0.1000	0.0033	0.3000	0.0110	0.0051	0.0900	0.0011	2.52	0.0000	0.08	0.0002	0.42
														2013 TOTALS =	**2.52**		**0.08**		**0.42**

NOTE: cfm = cubic feet per minute
VOC = Volatile organic compound
ppm_v = parts per million (vol./vol.)
mg/m^3 = milligrams per cubic meter
PCE = Tetrachloroethylene
TCE = Trichloroethene
cis -1,2-DCE = *cis* -1,2-Dichloroethene
Mass Recovery (Lab Res., lb/hr) = flow (cfm)*effluent conc. (mg/cu. m.)*1g/1000mg*1lb/453.6g*1cu. m./35.31cu. ft*60min/1 hr
Mass Recovery (Lab Res., lb) = Discharge Rate (lb/hr) * # of days*24hours/day

TABLE 2D SUMMARY OF ESTIMATED RECOVERY RATE VIA OFFSITE DDC SYSTEM (BLOWER B501)

	Field/System Data				Laboratory Results												Recovery based on Laboratory Results					
					B501-INF1			B501-INTER1			B501-INTER2			B501-EFF								
Date	Vacuum Flow Rate (cfm)	Applied Vacuum (in. $H_2$0)	System Influent VOC Concentration (ppm_v)	Elapsed Run-Time (day)	PCE (mg/m^3)	TCE (mg/m^3)	*cis* -1,2-DCE (mg/m^3)	PCE (mg/m^3)	TCE (mg/m^3)	*cis* -1,2-DCE (mg/m^3)	PCE (mg/m^3)	TCE (mg/m^3)	*cis* -1,2-DCE (mg/m^3)	PCE (mg/m^3)	TCE (mg/m^3)	*cis* -1,2-DCE (mg/m^3)	PCE Recovery During Period: lb/hr	PCE Recovery During Period (lb)	TCE Recovery During Period (lb/hr)	TCE Recovery During Period (lb)	*cis* -1,2-DCE Recovery During Period (lb/hr)	*cis* -1,2-DCE Recovery During Period (lb)
5/14/2013	423	25.00	0.1	34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6/19/2013	--	--	--	17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/18/2013	410	24.00	0.0	1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.00	0.0000	0.00	0.000	0.00
																	2013 TOTALS =	**0.00**		**0.00**		**0.00**

NOTE: cfm = cubic feet per minute
VOC = Volatile organic compound
ppm_v = parts per million (vol./vol.)
mg/m^3 = milligrams per cubic meter
PCE = Tetrachloroethylene
TCE = Trichloroethene
cis -1,2-DCE = *cis* -1,2-Dichloroethene
Mass Recovery (Lab Res., lb/hr) = flow (cfm)*effluent conc. (mg/cu. m.)*1g/1000mg*1lb/453.6g*1cu. m./35.31cu. ft*60min/1 hr
Mass Recovery (Lab Res., lb) = Discharge Rate (lb/hr) * # of days*24hours/day

EA Engineering, P.C. and Its Affiliate
EA Science and Technology

TABLE 2E SUMMARY OF ESTIMATED RECOVERY RATE VIA OFFSITE DDC SYSTEM (BLOWER B502)

	Field/System Data				Laboratory Results												Recovery based on Laboratory Results					
					B502-INF1			B502-INTER1			B502-INTER2			B502-EFF								
Date	Vacuum Flow Rate (cfm)	Applied Vacuum (in. H_20)	System Influent VOC Concentration (ppm_v)	Elapsed Run-Time (day)	PCE (mg/m^3)	TCE (mg/m^3)	*cis* -1,2-DCE (mg/m^3)	PCE (mg/m^3)	TCE (mg/m^3)	*cis* -1,2-DCE (mg/m^3)	PCE (mg/m^3)	TCE (mg/m^3)	*cis* -1,2-DCE (mg/m^3)	PCE (mg/m^3)	TCE (mg/m^3)	*cis* -1,2-DCE (mg/m^3)	PCE Recovery During Period: lb/hr	PCE Recovery During Period (lb)	TCE Recovery During Period (lb/hr)	TCE Recovery During Period (lb)	*cis* -1,2-DCE Recovery During Period (lb/hr)	*cis* -1,2-DCE Recovery During Period (lb)
5/14/2013	457	24	1.0	34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6/19/2013	--	--	--	17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/18/2013	383	22	2.1	1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.00	0.0000	0.00	0.000	0.00
																2013 TOTALS =		**0.00**		**0.00**		**0.00**

NOTE: cfm = cubic feet per minute
VOC = Volatile organic compound
ppm_v = parts per million (vol./vol.)
mg/m^3 = milligrams per cubic meter
PCE = Tetrachloroethylene
TCE = Trichloroethene
cis -1,2-DCE = *cis* -1,2-Dichloroethene
Mass Recovery (Lab Res., lb/hr) = flow (cfm)*effluent conc. (mg/cu. m.)*1g/1000mg*1lb/453.6g*1cu. m./35.31cu. ft*60min/1 hr
Mass Recovery (Lab Res., lb) = Discharge Rate (lb/hr) * # of days*24hours/day

TABLE 3A SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS IN ON-SITE GROUNDWATER SAMPLES QUARTERLY SAMPLING EVENT - JULY 2013

Parameters List EPA Method 8260B	Sample ID	DDC-2-PD		DUP071513		DDC-2-PS		DDC-4-PD		DDC-4-PS		MW-1D		MW-1S		MW-2A		MW-2AD		NYSDEC AWQS (µg/L)
	Sample Type	Groundwater		Duplicate		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		
	Sample Date	15–16 Jul 13		15–16 Jul 13		15–16 Jul 13		15–16 Jul 13		15–16 Jul 13		15–16 Jul 13		15–16 Jul 13		15–16 Jul 13		15–16 Jul 13		
1,2-Dichloroethene (total)	(µg/L)	**17**		**15**		**13**		4.5		4.9		(<2)	U	(<2)	U	**11**		**11**		5 (s)
cis -1,2-Dichloroethene	(µg/L)	**17**		**15**		**13**		4.5		4.9		(<1)	U	(<1)	U	**11**		**11**		5 (s)
Chloroform	(µg/L)	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	**8.8**		(<1)	U	(<1)	U	(<1)	U	7 (s)
Carbon Tetrachloride	(µg/L)	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	6.3	U	(<1)	U	(<1)	U	(<1)	U	5 (s)
Trichloroethene	(µg/L)	**6.2**		**5.3**		2.3		(<1)	U	(<1)	U	(<1)	U	(<1)	U	1.9		2		5 (s)
Tetrachloroethene	(µg/L)	**15**		**18**		**15**		1.5		1		**1400**		(<1)	U	**15**		**14**		5 (s)

Parameters List EPA Method 8260B	Sample ID	MW-3S		MW-3D		MW-5D		MW-5S		MW-6S		MW-14D		MW-14S		MW-15D		MW-15S		NYSDEC AWQS (µg/L)
	Sample Type	Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		
	Sample Date	15–16 Jul 13		15–16 Jul 13		15–16 Jul 13		15–16 Jul 13		15–16 Jul 13		15–16 Jul 13		15–16 Jul 13		15–16 Jul 13		15–16 Jul 13		
1,2-Dichloroethene (total)	(µg/L)	**8.9**		(<2)	U	(<2)	U	**10**		(<2)	U	(<2)	U	4.2		4.2		4.1		5 (s)
cis -1,2-Dichloroethene	(µg/L)	**8.9**		(<1)	U	(<1)	U	**10**		(<1)	U	(<1)	U	4.2		4.2		4.1		5 (s)
Chloroform	(µg/L)	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	7 (s)
Carbon Tetrachloride	(µg/L)	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	5 (s)
Trichloroethene	(µg/L)	1.7		(<1)	U	(<1)	U	1.9		(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	5 (s)
Tetrachloroethene	(µg/L)	**14**		**20**		(<1)	U	**16**		**15**		(<1)	U	**14**		**17**		**15**		5 (s)

NOTE:
EPA = U.S. Environmental Protection Agency
ID = Identification
NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standard
µg/L = Micrograms per liter (parts per billion)
U = Analyte not detected at the listed laboratory reporting limit.
MW = Monitoring well
D = Analysis at secondary dilution factor.
DUP071513 was a blind field duplicate quality assurance/quality control sample of on-site sample DDC-2-PD for this sampling event.
Bold values indicate that the analyte was detected greater than the NYSDEC AWQS.

TABLE 3B SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS IN OFF-SITE GROUNDWATER SAMPLES QUARTERLY SAMPLING EVENT - JULY 2013

Parameters List EPA Method 8260B	Sample ID	DDC-5-PD		DUP071713		DDC-5-PS		DDC-6-PD		DDC-6-PS		DDC-7-PD		DDC-7-PS		DDC-8-PD		DDC-8PS			NYSDEC AWQS (µg/L)
	Sample Type	Groundwater		Duplicate		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater			
	Sample Date	17–18 Jul 13		17–18 Jul 13		17–18 Jul 13		17–18 Jul 13		17–18 Jul 13		17–18 Jul 13		17–18 Jul 13		17–18 Jul 13		17–18 Jul 13			
1,1,1-Trichloroethane	(µg/L)	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U		5 (s)
1,1-Dichloroethane	(µg/L)	(<10)	U	(<10)	U	(<10)	U	(<10)	U	(<10)	U	(<10)	U	(<10)	U	(<10)	U	(<10)	U		5 (s)
1,2-Dichloroethene (total)	(µg/L)	(<2)	U	(<2)	U	(<2)	U	(<2)	U	(<2)	U	(<2)	U	**8.1**		**710**		**200**			5 (s)
cis -1,2-Dichlorethene	(µg/L)	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	**8.1**		**710**		**200**			5 (s)
Chloroform	(µg/L)	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U		7 (s)
Trichloroethene	(µg/L)	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	**790**		**100**			5 (s)
Tetrachloroethene	(µg/L)	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	**16**		3.6		**1,000**		**100**			5 (s)

Parameters List EPA Method 8260B	Sample ID	DDC-9-PD		DDC-9-PS		DDC-10-PD		DDC-10-PS		MW-1D		MW-1S		MW-2D		MW-2S		MW-3D		MW-3S		NYSDEC AWQS (µg/L)
	Sample Type	Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		
	Sample Date	17–18 Jul 13		17–18 Jul 13		17–18 Jul 13		17–18 Jul 13		17–18 Jul 13		17–18 Jul 13		17–18 Jul 13		17–18 Jul 13		17–18 Jul 13		17–18 Jul 13		
1,1,1-Trichloroethane	(µg/L)	(<1)	U	(<1)	U	1		(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	5 (s)
1,1-Dichloroethane	(µg/L)	(<10)	U	(<10)	U	(<10)	U	(<10)	U	(<10)	U	(<10)	U	(<10)	U	(<10)	U	(<10)	U	(<10)	U	5 (s)
1,2-Dichloroethene (total)	(µg/L)	(<2)	U	2.4		(<2)	U	(<2)	U	(<1)	U	(<2)	U	(<2)	U	(<2)	U	(<2)	U	(<2)	U	5 (s)
cis -1,2-Dichlorethene	(µg/L)	(<1)	U	2.4		(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	5 (s)
Chloroform	(µg/L)	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	7 (s)
Trichloroethene	(µg/L)	1.1		2.6		2.1		(<1)	U	(<1)	U	1.6		(<1)	U	(<1)	U	(<1)	U	(<1)	U	5 (s)
Tetrachloroethene	(µg/L)	2.7		3.8		1.9		(<1)	U	**2,700**		3.2		(<1)	U	(<1)	U	2.1		(<1)	U	5 (s)

NOTE:
EPA = U.S. Environmental Protection Agency
ID = Identification
NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standard
µg/L = Micrograms per liter (parts per billion)
U = Analyte not detected at the listed laboratory reporting limit.
MW = Monitoring well
D = Analysis at secondary dilution factor.
J = Estimated value.
DUP071713 was a blind field duplicate quality assurance/quality control sample of off-site sample DDC-5-PD for this sampling event.
Bold values indicate that the analyte was detected greater than the NYSDEC AWQS.

Attachment A

System Data Sheets

A-1: SVE O&M

National Heatset Printing

1 Adams Boulevard, Farmingdale, New York

EA Engineering

Personnel: Robert Peterson
Weather: Bright Sun, 90F
Time: 12:35
Date: 7/16/2013

System Status:

Arrival:	Running
Departure:	Running
Run Timer Reading:	57,923.40
Electric Meter Reading:	23855, 00.37, 41.35, 0109

System Data:

Extraction Well F Gate Valve: 100 % Open
Dilution Valve: 75 % Open

Pre-Bleed Air (Extraction Well):

Flow:	150	CFM
Vacuum:	15	"H2O
PID Reading:	7.6	PPM
Temperature:	97.8	°F

Post-Bleed Air (SVE Influent):

Flow:	250	CFM	
Pressure	15	"H2O	via magnehelic
PID Reading:	0.4	PPM	
Temperature:	161.3	°F	

Carbon Monitoring:

Mid: 0.0 PPM 9 "H2O
Effluent: 0.0 PPM

Carbon effluent sample collected & shipped to lab? Yes

Knockout Tank Drained? No water observed
Gallons: N/A
Purge water drums on-site: N/A

Monitoring Well Gauging / Vapor Point Monitoring:

Well/V.P. ID:	MW-C	MW-E	MW-G	VP-1	VP-2	VP-3	VP-7	VP-8	VP-9	VP-10	VP-11	VP-12	VP-13	VP-14	VP-15
DTW (ft):	--	15.65	--		--	--	--	--	--	--	--	--	--	--	--
Vac. (" H2O):	--	--	--	1.2	0.1	0.0	0.0	0.1	--	--	0.2	0.2	0.0	0.0	0.0
PID (PPM):	--	0.0	--	0.0	0.0	0.0	0.0	0.0	--	--	0.0	0.0	0.0	0.0	0.0

Comments:

SVE-Effluent sample collected @ 13:25, PID: 0.0 ppm
The following monitoring points were obstructed: MW-C, MW-G, VP-9, VP-10.
Equipment used: 100-ft water level meter, Dwyer Digital Manometer Series 475 Mark III, TSI Velocicalc 8386

A-2: On-site DDC O&M

Project: National Heatset Printing Site - 1 Adams Boulevard, Farmingdale, NY - Site Management
Contractors: EA Engineering, P.C. and Preferred Environmental Services

A Engineering, P.C. Job No:
Site No: 152140
ering, P.C. Project Manager: James Hayward

EA Engineering, P.C.
6712 Brooklawn Parkway, Suite 104
Syracuse, NY 13211-2158
Phone: 315-431-4610,
Fax: 315-431-4280

DAILY REPORT

Day:	S	M	T	W	TH	F	S

Date: 14-May-13
REPORT No.
PAGE No. 1

PREPARED BY: Thomas Fitzpatrick TITLE: Site Rep.

WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Clear
TEMP	To 32	32-50	50-70	70-85	85 and up
WIND	Light	Moderate	High		
HUMIDITY	Dry	Moderate	Humid		
WIND DIR	NE	NW	SE	SW	
	N	S	E	W	

AVERAGE FIELD FORCE

Name of Contractor	Title	Hours Worked	Remarks
Thomas Fitzpatrick	Technician	8:00 - 10:20	Preferred

VISITORS

Name	Time (From - To)	Representing	Remarks
Rob Peterson	8:00 - 9:20	EA	N/A

EQUIPMENT AT THE SITE

I = Idle W = Working

1. Camera - W	3. Pressure Gauges - W	5. Vacuum Pump - W
2. PID - W	4. Velocity & Temperature Meter - W	

OPERATION & MAINTENANCE ACTIVITIES

EA Engineering, P.C./Preferred Site Representative: Thomas Fitzpatrick - Preferred

DESCRIPTION OF WORK PERFORMED AND OBSERVED

8:00 - Preferred and Rob Peterson (EA) on-site. Both systems were running upon arrival with no alarms lit.
9:20 - O&M started on System #2
9:52 - O&M started on System #1
10:15 - Weekly O&M completed.
10:20 - Preferred locked both systems and all parties off-site. Both systems running upon departure.

[x] - Designates report is continued on additional pages

EA Engineering/Preferred Site Representative: **Thomas Fitzpatrick (Preferred)** Project Manager: **J. Hayward**

EA Engineering, P.C.

6712 Brooklawn Parkway, Suite 104 , Syracuse, NY 13211-2158 Phone: 315-431-4610, Fax: 315-431-4280

PREFERRED ENVIRONMENTAL SERVICES

323 Merrick Avenue - North Merrick, New York 11566 Tel: (516) 546-1100 Fax : (516) 213-8156

National Heatset Printing Site, Farmingdale, NY
Contract No. , Site No. 152140
Monitoring Table May 14, 2013

DATE: 5/14/13 **DAY:** Tuesday **TECHNICIAN:** Thomas Fitzpatrick

Weather: 55 Deg. F Bright Sun

TCE Groundwater Treatment System #1 **STATUS:** **ON** OFF

I: System Data Collection

Run Time Meter Reading : 674.9 hours
Total Run Time Meter Reading: 15,810.0 hours @ 09:54
System Running at 30.0 Hz.

Temperature Monitoring

Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
9:56	Extracted From Well	TI-01	18.0	64.4	DDC-1
9:56	Extracted From Well	TI-02	16.0	60.8	DDC-2
9:58	Pre-Heater Outlet	TI-03	25.0	77.0	Post Shell and Tubing
9:58	Pre-Heater Input	TI-04	17.0	62.6	Before Shell and Tubing
9:58	After Cooler Outlet	TI-05	23.0	73.4	Post Cooler Reading
9:58	After Cooler Input	TI-06	37.0	98.6	Before Cooler Reading
9:58	Blower Outlet	TI-07	49.0	120.2	Going to Pre-heater
9:59	Between GAC Units	TI-08	24.0	75.2	After GAC #1
9:59	GAC Unit Output	TI-09	24.0	75.2	After GAC #2

Flow Readings

Time	IF-ID	Location	Flow (SCFM)
9:55	FI-01	Extracted From DDC-1	90
9:56	FI-02	Extracted From DDC-2	315

Comments: Inspect FI-01 flow meter during next visit to confirm proper operation.

Pressure/Vacuum Monitoring

Time	Location	PI/VI-ID	Pressure	Comments
9:55	Discharge to Well	PI-01	3.2 PSI	DDC-1
9:55	Discharge to Well	PI-02	2.6 PSI	DDC-2
9:55	Drum	PI-03	-26.5 in. H2O	Vacuum Reading Going to Blower

DATE: 5/14/13 **DAY:** Tuesday **TECHNICIAN:** Thomas Fitzpatrick

Weather: 55 Deg. F Bright Sun

TCE Groundwater Treatment System #1

GAC Unit Information

Influent Port

TIME	PID VOC ppm	Temp Deg. F
10:01	1.5	75.5

Comments: None

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppm	Temp Deg. F
10:05	0.5	73.3

Comments: None

Effluent Port

TIME	PID VOC ppm	Temp Deg. F
10:07	0.1	65.1

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-1	Bubbling in well is not sufficient. Adjust air flow as necessary during next visit.
DDC-2	Bubbling in well is sufficient.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	Sump pump is operating properly.

Liquid Levels in Knock-Out Tanks
Comments: No liquid observed in either knock-out tank.

Oil Level on Blower
Comments: Oil levels were good. Oil was Changed n 4/19/12 with Omega SB-220 oil. Next oil change scheduled for July 2013.

Additional Comments:	***None***

III: System Evaluation

☒ **System is operating satisfactorily**

EA Engineering, P.C. recommends / implements the following….

IV: Sampling / Lab Data

N/A

DATE: 5/14/13 **DAY:** Tuesday **TECHNICIAN:** Thomas Fitzpatrick

Weather: 55 Deg. F Bright Sun

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: 18,628.4 **hours @** 09:21
System Running at 40.0 **Hz.**

Temperature Monitoring					
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
9:22	Carbon Unit Inlet	CA01	22.5	72.5	Carbon Unit #1
9:23	Pre-Heater	PHA01	29.4	85	After Shell and Tubing
9:22	Blower Panel	B01	65.6	150	Exiting Blower
9:22	After Cooler Outlet	AC01	40.6	105	Post Cooler Piping
9:22	Pre-Heater	PHB01	54.4	130	Before Shell and Tubing

Flow Readings			
Time	TI-ID	Location	Flow (CFM)
9:21	WD01	Injected Air to DDC-3	140
9:21	WD02	Injected Air to DDC-4	196

Comments: None

Pressure/Vacuum Monitoring				
Time	Location	TI-ID	Pressure	Comments
9:22	Knock-Out Tank	T01	0.0 in. Hg	Vacuum gauge on knock-out tank
9:24	Carbon-Unit #1 Outlet	CA1	-3.5 in. Hg	Vacuum exiting GAC #1
9:21	Discharge to Wells	WD2	2.5 PSI	Pressure reading on piping prior to splicing off to both wells
9:23	Blower Panel	BP01	-0.5 in. Hg	Vacuum coming off of blower
9:23	Carbon Unit #2 Outlet	CA2	-3.0 in. Hg	Vacuum exiting GAC #2
9:40	DDC-3	N/A	0.4 PSI	Pressure gauge on well head
9:40	DDC-4	N/A	0.4 PSI	Pressure gauge on well head

DATE: 5/14/13 **DAY:** Tuesday **TECHNICIAN:** Thomas Fitzpatrick

Weather: 55 Deg. F Bright Sun

TCE Groundwater Treatment System #2

GAC Unit Information

Influent Port GAC#1

TIME	PID VOC ppm	Temp Deg. F
9:28	0.2	68.1

Comments: None

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg. F
9:32	0.2	66.9

Comments: None

Effluent

TIME	PID VOC ppm	Temp Deg. F
9:37	0.0	69.9

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling is sufficient in well.
DDC-4	Bubbling is sufficient in well.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	One (1)-inch of water was detected. Sump pump was observed to be non-functioning on 3-27-13. Water within the sump was drained manually via a submersible pump. New sump pump is being ordered and will be installed during July 2013 visit.
DDC-4	Sump pump operating properly.

Liquid Levels in Knock-Out Tanks
Comments: No water detected.

Oil Level on Blower
Comments: Oil levels were good. Oil was changed on 4/19/12 with Omega SB-220 oil. Next oil change scheduled for July 2013.

Additional Comments:	***Vacuum gauge, BP01, is non-functioning and needs to be replaced. Item has been ordered and will be replaced during the July 2013 visit.***

III: System Evaluation

☒ **System is operating satisfactorily**

EA Engineering, P.C. recommends / implements the following….

IV: Sampling / Lab Data

N/A

PHOTOGRAPHIC LOG
Date: 5-14-13
EA Engineering, P.C. Job No.
National Headset Printing Site

PHOTO	DATE	TIME	DESCRIPTION	COMMENTS
Picture P5090068	5/14/2013	10:00	No water was detected within the site glass of the knock-out tank.	
Picture P5090071	5/14/2013	9:32	An air sampling pump was utilized in the screening of the sampling ports within System #1 and System #2.	

Photos (05.14.13)

Picture P5090068 - No water was detected within the site glass of the knock-out tank.

Picture P5090071 - An air sampling pump was utilized in the screening of the sampling ports within System #1 and System #2.

Project: National Heatset Printing Site - 1 Adams Boulevard, Farmingdale, NY - Site Management
Contractors: EA Engineering, P.C. and Preferred Environmental Services

EA Job No: 14907.16
Site No: 152140
EA Project Manager: James Hayward

EA Engineering, P.C.
6712 Brooklawn Parkway, Suite 104
Syracuse, NY 13211-2158
Phone: 315-431-4610,
Fax: 315-431-4280

DAILY REPORT

Day:	S	M	T	W	TH	F	S

Date: 19-Jun-13
REPORT No.
PAGE No. 1

PREPARED BY: Thomas Fitzpatrick TITLE: Site Rep.

WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Clear
TEMP	To 32	32-50	50-70	70-85	85 and up
WIND	Light	Moderate	High		
HUMIDITY	Dry	Moderate	Humid		
WIND DIR	NE	NW	SE	SW	
	N	S	E	W	

AVERAGE FIELD FORCE

Name of Contractor	Title	Hours Worked	Remarks
Thomas Fitzpatrick	Technician	8:10 - 12:45	Preferred

VISITORS

Name	Time (From - To)	Representing	Remarks

EQUIPMENT AT THE SITE

I = Idle W = Working

1. Camera - W	3. Pressure Gauges - W	5. Vacuum Pump - W
2. PID - W	4. Velocity & Temperature Meter - W	

OPERATION & MAINTENANCE ACTIVITIES

EA Engineering, P.C./Preferred Site Representative: Thomas Fitzpatrick - Preferred

DESCRIPTION OF WORK PERFORMED AND OBSERVED

8:10 - Preferred on-site. Both systems were running upon arrival with no alarms lit.

8:15 - O&M started on System #2

9:01 - O&M started on System #1

- Preferred attempted to improve balance of flow rates being injected into DDC-1 & DDC-2. After initial valve adjustment, water was observed entering into the system from DDC-1 well as confirmed by looking at the site glass associated with the knock-out drum. Preferred attempted further adjustments to balance the air flow but was unsuccessful. With the valves opened the same amount, FI-01 read 180 SCFM and FI-02 read 315 SCFM.

10:15 - Weekly O&M completed.

10:50 - Preferred locked both systems and all parties off-site. Both systems running upon departure.

12:45 - Preferred re-checked flow readings within System #1. FI-01 read 90 SCFM and FI-02 read 308 SCFM. Planning to attempt further adjustments during next routine visit.

x - Designates report is continued on additional pages

EA Engineering, P.C.

6712 Brooklawn Parkway, Suite 104 , Syracuse, NY 13211-2158 Phone: 315-431-4610, Fax: 315-431-4280

PREFERRED ENVIRONMENTAL SERVICES

323 Merrick Avenue - North Merrick, New York 11566 Tel: (516) 546-1100 Fax : (516) 213-8156

National Heatset Printing Site, Farmingdale, NY
Contract No. , Site No. 152140
Monitoring Table June 19, 2013

DATE: 6/19/13 **DAY: Wednesday** **TECHNICIAN: Thomas Fitzpatrick**

Weather: 65 Deg. F Partly Cloudy

TCE Groundwater Treatment System #1 **STATUS: ON OFF**

I: System Data Collection

Run Time Meter Reading : __1538.0___ hours
Total Run Time Meter Reading: __16,673.1__ hours @ 9:00
System Running at ___30.0__ Hz.

Temperature Monitoring

Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
9:04	Extracted From Well	TI-01	20.0	68.0	DDC-1
9:04	Extracted From Well	TI-02	17.0	62.6	DDC-2
9:05	Pre-Heater Outlet	TI-03	30.0	86.0	Post Shell and Tubing
9:05	Pre-Heater Input	TI-04	20.0	68.0	Before Shell and Tubing
9:04	After Cooler Outlet	TI-05	29.0	84.2	Post Cooler Reading
9:04	After Cooler Input	TI-06	43.0	109.4	Before Cooler Reading
9:05	Blower Outlet	TI-07	57.0	134.6	Going to Pre-heater
9:06	Between GAC Units	TI-08	28.0	82.4	After GAC #1
9:06	GAC Unit Output	TI-09	27.0	80.6	After GAC #2

Flow Readings

Time	IF-ID	Location	Flow (SCFM)
9:03	FI-01	Extracted From DDC-1	90
9:03	FI-02	Extracted From DDC-2	315

Comments: Flow meters are set on return pipes to wells.
Whistling noise noted within shed.

Pressure/Vacuum Monitoring

Time	Location	PI/VI-ID	Pressure	Comments
9:55	Discharge to Well	PI-01	4.0 PSI	DDC-1
9:55	Discharge to Well	PI-02	3.3 PSI	DDC-2
9:55	Drum	PI-03	-26.0 in. H2O	Vacuum Reading Going to Blower

DATE: 6/19/13 **DAY: Wednesday** **TECHNICIAN: Thomas Fitzpatrick**

Weather: 65 Deg. F Partly Cloudy

TCE Groundwater Treatment System #1

GAC Unit Information

Influent Port

TIME	PID VOC ppm	Temp Deg. F
9:07	1.0	83.6

Comments:

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppm	Temp Deg. F
9:12	0.0	81.6

Comments:

Effluent Port

TIME	PID VOC ppm	Temp Deg. F
9:09	0.0	74.2

Comments:

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-1	Bubbling in well is not sufficient.
DDC-2	Bubbling in well is sufficient.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	Sump pump is operating properly.

Liquid Levels in Knock-Out Tanks

Comments: No liquid found in either knock-out tank. Upon adjusting air flow valves, 5" of water was observed within knock-out tank no. 1.

Oil Level on Blower

Comments: Oil levels were good. Oil was Changed n 4/19/12 with Omega SB-220 oil. Next oil change scheduled for July 2013.

Addition Comments:	***None***

III: System Evaluation

☒ **System is operating satisfactorily**

EA Engineering, P.C. recommends / implements the following….

IV: Sampling / Lab Data

N/A

DATE: 6/19/13 **DAY: Wednesday** **TECHNICIAN: Thomas Fitzpatrick**

Weather: 65 Deg. F Partly Cloudy

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: 189,491.5 hours @ 8:22
System Running at 40.0 Hz.

Temperature Monitoring					
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
8:26	Carbon Unit Inlet	CA01	31.0	87.8	Carbon Unit #1
8:24	Pre-Heater	PHA01	37.8	100	After Shell and Tubing
8:25	Blower Panel	B01	82.2	180	Exiting Blower
8:24	After Cooler Outlet	AC01	51.7	125	Post Cooler Piping
8:25	Pre-Heater	PHB01	68.3	155	Before Shell and Tubing

Flow Readings			
Time	TI-ID	Location	Flow (CFM)
8:23	WD01	Injected Air to DDC-3	140
8:23	WD02	Injected Air to DDC-4	196

Comments:

Pressure/Vacuum Monitoring				
Time	Location	TI-ID	Pressure	Comments
8:24	Knock-Out Tank	T01	0.0 in. Hg	Vacuum gauge on knock-out tank
8:20	Carbon-Unit #1 Outlet	CA1	-4.0 in. Hg	Vacuum exiting GAC #1
8:23	Discharge to Wells	WD2	3.1 PSI	Pressure reading on piping prior to splicing off to both wells
8:25	Blower Panel	BP01	-2.0 in. Hg	Vacuum coming off of blower
8:25	Carbon Unit #2 Outlet	CA2	-3.4 in. Hg	Vacuum exiting GAC #2
8:43	DDC-3	N/A	0.4 PSI	Pressure gauge on well head
8:37	DDC-4	N/A	0.4 PSI	Pressure gauge on well head

DATE: 6/19/13 **DAY: Wednesday** **TECHNICIAN: Thomas Fitzpatrick**

Weather: 65 Deg. F Partly Cloudy

TCE Groundwater Treatment System #2

GAC Unit Information

Influent Port GAC#1

TIME	PID VOC ppm	Temp Deg. F
8:29	0.1	78.9

Comments:

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg. F
8:37	0.0	82.2

Comments:

Effluent

TIME	PID VOC ppm	Temp Deg. F
8:40	0.0	83.8

Comments:

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling is sufficient in well.
DDC-4	Bubbling is sufficient in well.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	No water was detected. Sump was observed to be non-functioning on 3-27-13. Pump was pulled and water within the sump was drained via a submersible pump. New sump pump is being ordered and will be installed during the July 2013 visit.
DDC-4	One (1)-inch of water was detected.

Liquid Levels in Knock-Out Tanks

Comments: No water detected.

Oil Level on Blower

Comments: Oil levels were good. Oil was changed on 4/19/12 with Omega SB-220 oil. Next oil change scheduled for July 2013.

Addition Comments:	***Vacuum gauge, BP01, is non-functioning and needs to be replaced.***

III: System Evaluation

☒ **System is operating satisfactorily**

EA Engineering, P.C. recommends / implements the following….

IV: Sampling / Lab Data

N/A

PHOTOGRAPHIC LOG
Date: 6-19-13
EA Engineering, P.C. Job No. 14907.16
National Heatset Printing Site

PHOTO	DATE	TIME	DESCRIPTION	COMMENTS
Picture P6060123	6/19/2013	8:10	Both systems were running with no alarms lit upon arrival.	
Picture P6060127	6/19/2013	9:30	Five (5) -inches of water was detected within the site glass of Knock-Out Tank No. 1 after adjusting the flow gauges associated with System #1.	

Photos (06.19.13)

Picture P6060123 - Both systems were running with no alarms lit upon arrival.

Picture P6060127 - Five (5) -inches of water was detected within the site glass of Knock-Out Tank No. 1 after adjusting the flow gauges associated with System #1.

Project: National Heatset Printing Site - 1 Adams Boulevard, Farmingdale, NY - Site Management
Contractors: EA Engineering, P.C. and Preferred Environmental Services

EA Job No: 14907.16
Site No: 152140
EA Project Manager: James Hayward

EA Engineering, P.C.
6712 Brooklawn Parkway, Suite 104
Syracuse, NY 13211-2158
Phone: 315-431-4610,
Fax: 315-431-4280

DAILY REPORT

Day:	S	M	T	W	TH	F	S

Date: 16-Jul-13
REPORT No.
PAGE No. 1

PREPARED BY: Rob Peterson TITLE: Site Rep.

WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Clear
TEMP	To 32	32-50	50-70	70-85	85 and up
WIND	Light	Moderate	High		
HUMIDITY	Dry	Moderate	Humid		
WIND DIR	NE	NW	SE	SW	
	N	S	E	W	

AVERAGE FIELD FORCE

Name of Contractor	Title	Hours Worked	Remarks
Rob Peterson	Geologist	8:15 - 10:30	EA Engineering

VISITORS

Name	Time (From - To)	Representing	Remarks
N/A	N/A	N/A	N/A

EQUIPMENT AT THE SITE

I = Idle W = Working

1. Camera - W	3. Pressure Gauges - W	5. Vacuum Pump - W
2. PID - W	4. Velocity & Temperature Meter - W	

OPERATION & MAINTENANCE ACTIVITIES

EA/Preferred Site Representative: Rob Peterson - EA

DESCRIPTION OF WORK PERFORMED AND OBSERVED

08:00 - Rob Peterson (EA) on-site. Treatment System #1 and #2 running upon arrival with no alarms triggered.

08:15 - EA conducts O&M on Treatment System #2. Quarterly air samples collected from Treatment System #2 (Influent #1, Influent #2, and Effluent) and sent to Eurofins Airtoxics Labs.

09:30 - EA condcuts O&M on Treatment System #1. Quarterly air samples collected from Treatment System #1 (Influent, Intermediate, Effluent) and sent to Eurofins Airtoxics Labs.

10:00 - Weekly O&M completed.

10:30 - EA locked both systems. Both systems operating upon departure.

[x] - Designates report is continued on additional pages

EA/Preferred Site Representative: **Robert Peterson (EA)** Project Manager: **J. Hayward**

EA Engineering, P.C.
6712 Brooklawn Parkway, Suite 104 , Syracuse, NY 13211-2158 Phone: 315-431-4610, Fax: 315-431-4280
PREFERRED ENVIRONMENTAL SERVICES
323 Merrick Avenue - North Merrick, New York 11566 Tel: (516) 546-1100 Fax : (516) 213-8156

National Heatset Printing Site, Farmingdale, NY
Contract No. , Site No. 152140
Monitoring Table July 16, 2013

DATE: 7/16/13 **DAY: Tuesday** **TECHNICIAN: Robert Peterson**

Weather: 95 Deg. F Bright Sun

TCE Groundwater Treatment System #1 **STATUS: ON OFF**

I: System Data Collection

Run Time Meter Reading : 17,321.0 hours
System Running at 30.0 Hz.

Temperature Monitoring					
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
9:35	Extracted From Well	TI-01	24.0	75.2	DDC-1
9:36	Extracted From Well	TI-02	24.0	75.2	DDC-2
9:37	Pre-Heater Outlet	TI-03	24.0	75.2	Post Shell and Tubing
9:37	Pre-Heater Input	TI-04	26.0	78.8	Before Shell and Tubing
9:37	After Cooler Outlet	TI-05	44.0	111.2	Post Cooler Reading
9:37	After Cooler Input	TI-06	48.0	118.4	Before Cooler Reading
9:37	Blower Outlet	TI-07	62.0	143.6	Going to Pre-heater
9:37	Between GAC Units	TI-08	35.0	95.0	After GAC #1
9:37	GAC Unit Output	TI-09	35.0	95.0	After GAC #2

Flow Readings			
Time	IF-ID	Location	Flow (SCFM)
9:30	FI-01	Extracted From DDC-1	202
9:30	FI-02	Extracted From DDC-2	202

Comments: None

Pressure/Vacuum Monitoring				
Time	Location	PI/VI-ID	Pressure	Comments
9:39	Discharge to Well	PI-01	3.0 PSI	DDC-1
9:39	Discharge to Well	PI-02	2.9 PSI	DDC-2
9:39	Drum	PI-03	-32.0 in. H2O	Vacuum Reading Going to Blower

DATE: 7/16/13 **DAY:** Tuesday **TECHNICIAN:** Robert Peterson

Weather: 95 Deg. F Bright Sun

TCE Groundwater Treatment System #1

GAC Unit Information

Influent Port

TIME	PID VOC ppm	Temp Deg. F
9:58	2.9	75.2

Comments: None

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppm	Temp Deg. F
9:55	0.0	95.0

Comments: None

Effluent Port

TIME	PID VOC ppm	Temp Deg. F
10:00	0.0	95.0

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-1	Bubbling in well is sufficient.
DDC-2	Bubbling in well is sufficient.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	1-inch of water was observed in this sump.

Liquid Levels in Knock-Out Tanks

Comments: No liquid found in either knock-out tank.

Oil Level on Blower

Comments: Oil levels were good. D&D Electric to perform routine (annual) blower service, including oil change, lubrication, and inspection of air filters/belts this week on 7/18/13.

Addition Comments:	***Air flow to DDC-1 and DDC-2 adusted to 202 scfm. EA observed sufficient bubbling within well heads.***

III: System Evaluation

☒ **System is operating satisfactorily**

EA recommends / implements the following….

IV: Sampling / Lab Data

N/A

DATE: 7/16/13 **DAY: Tuesday** **TECHNICIAN: Robert Peterson**

Weather: 95 Deg. F Bright Sun

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: 20,139.3 hours @ 08:20
System Running at 40.0 Hz.

Temperature Monitoring					
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
8:21	Carbon Unit Inlet	CA01	35.0	95.0	Carbon Unit #1
8:21	Pre-Heater	PHA01	42.8	109	After Shell and Tubing
8:21	Blower Panel	B01	87.8	190	Exiting Blower
8:21	After Cooler Outlet	AC01	56.1	133	Post Cooler Piping
8:21	Pre-Heater	PHB01	71.1	160	Before Shell and Tubing

Flow Readings			
Time	TI-ID	Location	Flow (CFM)
8:20	WD01	Injected Air to DDC-3	175
8:20	WD02	Injected Air to DDC-4	175

Comments: None

Pressure/Vacuum Monitoring				
Time	Location	TI-ID	Pressure	Comments
8:22	Knock-Out Tank	T01	0.0 in. Hg	Vacuum gauge on knock-out tank
8:22	Carbon-Unit #1 Outlet	CA1	-4.1 in. Hg	Vacuum exiting GAC #1
8:22	Discharge to Wells	WD2	2.9 PSI	Pressure reading on piping prior to splicing off to both wells
8:24	Blower Panel	BP01	-3.5 in. Hg	Vacuum coming off of blower
8:24	Carbon Unit #2 Outlet	CA2	-3.5 in. Hg	Vacuum exiting GAC #2
8:24	DDC-3	N/A	0.4 PSI	Pressure gauge on well head
8:24	DDC-4	N/A	0.4 PSI	Pressure gauge on well head

DATE: 7/16/13 **DAY:** Tuesday **TECHNICIAN:** Robert Peterson

Weather: 95 Deg. F Bright Sun

TCE Groundwater Treatment System #2

GAC Unit Information

Influent Port GAC#1

TIME	PID VOC ppm	Temp Deg. F
8:35	0.0	84.6

Comments: None

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg. F
8:40	0.0	86.5

Comments: None

Effluent

TIME	PID VOC ppm	Temp Deg. F
8:44	0.0	87.9

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling is sufficient in well.
DDC-4	Bubbling is sufficient in well.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	One (1)-inch of water was detected. Sump pump replaced on 7-16-13.
DDC-4	One (1)-inch of water was detected.

Liquid Levels in Knock-Out Tanks
Comments: No water detected.

Oil Level on Blower
Comments: Oil levels were good. D&D Electric to perform routine (annual) blower service, including oil change, lubrication, and inspection of air filters/belts this week on 7/18/13.

Addition Comments:	***Vacuum gauge (BP01) will be replaced on 7/18/13 by D&D Electric.***

III: System Evaluation

☒ **System is operating satisfactorily**

EA recommends / implements the following….

IV: Sampling / Lab Data

N/A

A-3: Off-site DDC O&M

Project: National Heatset Printing Site - Off-Site - Site Management
Contractors: EA Engineering, P.C. and Preferred Environmental Services

AECOM Job No:
Site No:
AECOM Project Manager: James Hayward

EA Engineering, P.C.
6712 Brooklawn Parkway, Suite 104
Syracuse, NY 13211-2158
Phone: 315-431-4610,
Fax: 315-431-4280

DAILY REPORT

Day:	S	M	T	W	TH	F	S

Date: 14-May-13
REPORT No.
PAGE No. 1

PREPARED BY: Thomas Fitzpatrick TITLE: Site Rep.

WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Clear
TEMP	To 32	32-50	50-70	70-85	85 and up
WIND	Light	Moderate	High		
HUMIDITY	Dry	Moderate	Humid		
WIND DIR	NE	NW	SE	SW	
	N	S	E	W	

AVERAGE FIELD FORCE

Name of Contractor	Title	Hours Worked	Remarks
Thomas Fitzpatrick	Technician	10:25 - 12:20	Preferred

VISITORS

Name	Time (From - To)	Representing	Remarks
Robert Peterson	10:25 - 12:20	EA	NA

EQUIPMENT AT THE SITE

I = Idle W = Working

1. Camera - W	3. Pressure Gauges - W	5. Vacuum Pump - W	7. VelociCalc - TSI 9555/9 -W
2. PID - W	4. Interface Probe - W	6. Four Gas Meter - W	

OPERATION & MAINTENANCE ACTIVITIES

AECOM/Preferred Site Representative: Thomas Fitzpatrick - Preferred

DESCRIPTION OF WORK PERFORMED AND OBSERVED

10:25 - Preferred and EA representative arrived on-site. Both systems are up with five (5) alarms triggered:

5/13/2013 11:59 W12: WELL DDC7 LOF DIFF. PRESSURE

5/13/2013 11:59 W9: WELL DDC10 LOW DIFF. PRESSURE

5/13/2013 11:59 W8: WELL DDC5 LOW DIFF. PRESSURE

5/13/2013 11:59 W6: B-502 Low Vacuum (VT202)

5/13/2013 11:59 A1: Emergency Stop. This was done manually at the site inorder to test/verify the newly configured remote communication system was working properly.

10:35 - Weekly O&M started.

11:24 - Gauged piezometer wells along Benjoe Avenue.

12:10 - O&M completed.

12:20 - Preferred locked both sheds and all parties off-site. All alarms were reset, with blowers B-501 & B-502 up upon departure.

[x] - Designates report is continued on additional pages

EA Engineering/Preferred Site Representative: **Thomas Fitzpatrick (Preferred)** Project Manager: **J. Hayward**

O&M DATA SHEET - NATIONAL HEATSET - OFF-SITE SYSTEM

Date: 5/14/2013 **Time:** 10:26 **Weather:** 55º F - Bright Sun- Low Humidity

B-501 Status on Arrival: Up / Down / Off **B-502 Status on Arrival:** Up / Down / Off

Alarm Light Status on Arrival: ON / OFF **Alarm Light Reset on Arrival:** YES / NO

SYSTEM OPERATING DATA							
ID	**B-501**	**TP-211**	**B-502**	**TP-212**	**B-503**	**TP-213**	**Time**
Hours	7,656.2	0.1	7,115.0	0.3	0	0	@10:36
Hz	27	**Hz**	27		**Separator ID**	**Water Level (IN)**	**Drained**
PI-511	5.9	**PI-512**	7.1				
TSH-511	115	**TSH-512**	160		**ST-201**	0	**YES / NO**
					ST-202	0	**YES / NO**

VI-201	-2.0	IWC	**VI-202**	-2.0	IWC
TI-201	70	°F	**TI-202**	71	°F
DPT-201	0.40	IWC (6" Pipe)	**DPT-202**	0.44	IWC (6" Pipe)
V-DLH5-6	Open / Closed		**V-DLH5-6**	Open / Closed	
VI-401	-4.0	IWC	**VI-402**	-4.0	IWC
TI-401	65	°F	**TI-402**	68	°F
VI-401B	-5.0	IWC	**VI-402A**	-17	IWC
SP-401B	0.1	ppb / ppm	**SP-402A**	0.1	ppb / ppm
VI-401A	-19	IWC	**VI-402B**	-7.0	IWC
SP-401A	0.0	ppb / ppm	**SP-402B**	1.5	ppb / ppm
VI-403B	-13	IWC	**VI-403A**	-12	IWC
SP-403B	0.0	ppb / ppm	**SP-403A**	0.2	ppb / ppm
VI-501	-24	IWC	**VI-502**	-22	IWC
SP-501	0.0	ppb / ppm	**SP-502**	0.0	ppb / ppm
TI-501	70	°F	**TI-502**	72	°F
VI-501A	-25	IWC	**VI-502A**	-22	IWC
DPT-301	0.33	IWC (6" Pipe)	**DPT-302**	0.28	IWC (6" Pipe)
PI-301	6.0	PSI	**PI-302**	6.4	PSI
TI-301	100	°F	**TI-302**	115	°F
FM-601	82.7 gal		**Electric Meter Reading:**	7,158 kW/h @	10:49 AM

B-501 Status on Departure: UP / DOWN / OFF **B-502 Status on Departure:** UP / DOWN / OFF

Alarm Light Status on Departure: ON / OFF **Alarm Light Reset on Departure:** YES / NO

O&M DATA SHEET - NATIONAL HEATSET - OFF-SITE SYSTEM

Date: 05/14/13 Time: 11:00 Weather: 55º F - Bright Sun

INJECTION& EXTRACTION MANIFOLD OPERATING DATA

Well ID	4" - INJECTION			6" - EXTRACTION			
	Δ Pressure (IWC)	Temp (°F)	Pressure (PSI)	Vacuum (IWC)	Temp (°F)	Velocity (ft/min)	VOCs (ppb or ppm)
DDC-05	-0.07	95	4.3	1.241	69	668	0.0
DDC-10	-0.02	95	4.5	1.435	71	709	0.0
DDC-09	0.28	95	5.1	0.903	71	778	0.4
DDC-08	0.27	100	4.5	1.293	71	980	2.4
DDC-07	-0.05	95	5.1	1.270	70	660	0.1
DDC-06	0.43	100	5.2	1.455	69	688	0.0

DDC WELLHEAD OPERATING DATA

WELL ID	PZ SHALLOW (FT)	PZ DEEP (FT)	Air Space (FT)	COMMETS	MW ID	DTW (FT)
DDC-05	9.45	14.94	5.0'	---	MW-1D	N/A
DDC-10	9.47	13.74	1.5'	Dry	MW-1S	N/A
DDC-09	9.08	14.14	2.0'	7-Inches of pooled water within vault	MW-2D	N/A
DDC-08	8.47	13.32	1.0'	7-Inches of pooled water within vault	MW-2S	N/A
DDC-07	8.91	10.94	1.5'	Dry	MW-3D	N/A
DDC-06	8.70	8.87	4.0'	(1) Drained condensate valve	MW-3S	N/A

AIR SAMPLING DATA

B-501			B-502		
Sample Port Position	SAMPLE PORT ID	VOC Reading (ppb / ppm)	Sample Port Position	SAMPLE PORT ID	VOC Reading (ppb / ppm)
Influent	SP-401B	0.1	**Influent**	SP-402B	1.0
Intermediate #1	SP-403B	0.0	**Intermediate #1**	SP-403A	0.3
Intermediate #2	SP-401A	0.0	**Intermediate #2**	SP-402A	0.1
Effluent	SP-501	0.0	**Effluent**	SP-502	0.0

CHILLER		TECHNICIAN COMMENTS/NOTES:
Set Temp. (°F)	75	
Actual Temp. (°F)	73	
Pump Pressure (PSI)	25	1 - DDC-6's condensate valve was drained for 1 minute, from which a less
Freon High Pres. (PSI)	149	than a quarter gallon of water was produced. DDC-6 produced mostly air
Freon Low Pres. (PSI)	115	from the initial release of the valve.

Lawn Cut by EA at 10:43

PHOTOGRAPHIC LOG
Date: 5-14-13
EA Engineering, P.C. Job No.
National Heatset Printing Site - Off-Site

PHOTO	DATE	TIME	DESCRIPTION	COMMENTS
Picture 0074	5/14/2013	12:34	Five (5) alarms were triggered on the control panel upon arrival.	
Picture 0081	5/14/2013	13:04	An Interface probe was utilized in the gauging of the on and off-site piezometer wells.	

Photos (5.14.13)

Picture 0074- Five (5) alarms were triggered on the control panel upon arrival.

Picture 0081- An Interface probe was utilized in the gauging of the on and off-site piezometer wells.

Project: National Heatset Printing Site - Off-Site - Site Management
Contractors: EA Engineering, P.C. and Preferred Environmental Services

EA Job No: 14907.16
Site No: 152140
EA Project Manager: James Hayward

EA Engineering, P.C.
6712 Brooklawn Parkway, Suite 104
Syracuse, NY 13211-2158
Phone: 315-431-4610,
Fax: 315-431-4280

DAILY REPORT

Day:	S	M	T	W	TH	F	S

Date: 19-Jun-13
REPORT No.
PAGE No. 1

PREPARED BY: Thomas Fitzpatrick TITLE: Site Rep.

WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Clear
TEMP	To 32	32-50	50-70	70-85	85 and up
WIND	Light	Moderate	High		
HUMIDITY	Dry	Moderate	Humid		
WIND DIR	NE	NW	SE	SW	
	N	S	E	W	

AVERAGE FIELD FORCE

Name of Contractor	Title	Hours Worked	Remarks
Thomas Fitzpatrick	Technician	11:15 - 14:47	Preferred
Daniel Prisco-Buxbaum	Technician	11:00 - 14:30	Preferred

VISITORS

Name	Time (From - To)	Representing	Remarks
Name	NA	NA	NA

EQUIPMENT AT THE SITE

I = Idle W = Working

1. Camera - W	3. Pressure Gauges - W	5. Vacuum Pump - W	7. VelociCalc - TSI 9555/9 -W
2. PID - W	4. Interface Probe - W	6. Four Gas Meter - W	

OPERATION & MAINTENANCE ACTIVITIES

EA/Preferred Site Representative: Thomas Fitzpatrick - Preferred

DESCRIPTION OF WORK PERFORMED AND OBSERVED

11:00 - Preferred (Daniel Prisco-Buxbaum) arrived on-site to mow lawn.
11:15 - Preferred (Thomas Fitzpatrick) arrived on-site. Both systems are down with five (3) alarms triggered:
5/31/2013 13:03 W5: B-501 Low Vacuum (VT201)
5/31/2013 13:03 W6: B-502 Low Vacuum (VT202)
5/31/2013 13:03 A1: Emergency Stop
11:17 - System restarted, weekly O&M started. Three (3) alarms triggered.
6/19/2013 11:17 W9: WELL DDC10 LOW DIFF. PRESSURE
6/19/2013 11:16 W12: WELL DDC7 LOW DIFF PRESSURE
6/19/2013 11:16 W8: WELL DDC8 LOW DIFF PRESSURE
12:00 - Both Systems were shut down due to high pressure and vacuum readings within system.
12:20 - Monitoring wells were gauged to compare to future and historical water level measurements.
13:20 - All six (6) sump vaults were opened and determined to be operational. No excessive water was observed within any of the sumps.
14:40 - O&M completed.
14:47 - Preferred locked both sheds and all parties off-site. The system was left off until further notice (as per EA) as a precaution due to the high water table conditions.

[x] - Designates report is continued on additional pages

EA Engineering/Preferred Site Rep: **Thomas Fitzpatrick (Preferred)** Project Manager: **J. Hayward**

O&M DATA SHEET - NATIONAL HEATSET - OFF-SITE SYSTEM

Date: 6/19/2013 **Time:** 11:15 **Weather:** 75º F - Bright Sun- Low Humidity

B-501 Status on Arrival: Up / Down / Off **B-502 Status on Arrival:** Up / Down / Off

Alarm Light Status on Arrival: ON / OFF **Alarm Light Reset on Arrival:** YES / NO

SYSTEM OPERATING DATA							
ID	**B-501**	**TP-211**	**B-502**	**TP-212**	**B-503**	**TP-213**	**Time**
Hours	8,066.6	0.1	8,342.5	0.3	0	0	@11:14
Hz	27	**Hz**	27		**Separator ID**	**Water Level (IN)**	**Drained**
PI-511	5.6	**PI-512**	6.8				
TSH-511	95	**TSH-512**	140		**ST-201**	0	**YES / NO**
					ST-202	0	**YES / NO**

VI-201	-35.0	IWC	**VI-202**	-5.0	IWC
TI-201	72	°F	**TI-202**	72	°F
DPT-201	0.40	IWC (6" Pipe)	**DPT-202**	0.43	IWC (6" Pipe)
V-DLH5-6	Open / Closed		**V-DLH5-6**	Open / Closed	
VI-401	-12.0	IWC	**VI-402**	-8.0	IWC
TI-401	72	°F	**TI-402**	70	°F
VI-401B	-	IWC	**VI-402A**	-43	IWC
SP-401B	-	ppb / ppm	**SP-402A**	-	ppb / ppm
VI-401A	-	IWC	**VI-402B**	-38.0	IWC
SP-401A	-	ppb / ppm	**SP-402B**	-	ppb / ppm
VI-403B	-	IWC	**VI-403A**	-	IWC
SP-403B	-	ppb / ppm	**SP-403A**	-	ppb / ppm
VI-501	-	IWC	**VI-502**	-	IWC
SP-501	-	ppb / ppm	**SP-502**	-	ppb / ppm
TI-501	-	°F	**TI-502**	-	°F
VI-501A	-32	IWC	**VI-502A**	-29	IWC
DPT-301	0.31	IWC (6" Pipe)	**DPT-302**	0.32	IWC (6" Pipe)
PI-301	6.5	PSI	**PI-302**	6.6	PSI
TI-301	95	°F	**TI-302**	95	°F
FM-601	82.7 gal		**Electric Meter Reading:**	7,540 kW/h @	11:31 AM

B-501 Status on Departure: UP / DOWN / OFF **B-502 Status on Departure:** UP / DOWN / OFF

Alarm Light Status on Departure: ON / OFF **Alarm Light Reset on Departure:** YES / NO

O&M DATA SHEET - NATIONAL HEATSET - OFF-SITE SYSTEM

Date: 06/19/13 Time: 11:15 Weather: 75º F - Bright Sun

INJECTION& EXTRACTION MANIFOLD OPERATING DATA							
Well ID	4" - INJECTION			6" - EXTRACTION			
	Δ Pressure (IWC)	Temp (°F)	Pressure (PSI)	Vacuum (IWC)	Temp (°F)	Velocity (ft/min)	VOCs (ppb or ppm)
DDC-05	-	-	-	-	-	-	-
DDC-10	-	-	-	-	-	-	-
DDC-09	-	-	-	-	-	-	-
DDC-08	-	-	-	-	-	-	-
DDC-07	-	-	-	-	-	-	-
DDC-06	-	-	-	-	-	-	-

DDC WELLHEAD OPERATING DATA						
WELL ID	PZ SHALLOW (FT)	PZ DEEP (FT)	Air Space (FT)	COMMETS	MW ID	DTW (FT)
DDC-05	-	-	-	---	MW-1D	7.04
DDC-10	-	-	-	---	MW-1S	5.98
DDC-09	-	-	-	---	MW-2D	10.48
DDC-08	-	-	-	---	MW-2S	10.33
DDC-07	-	-	-	---	MW-3D	6.48
DDC-06	-	-	-	---	MW-3S	6.41

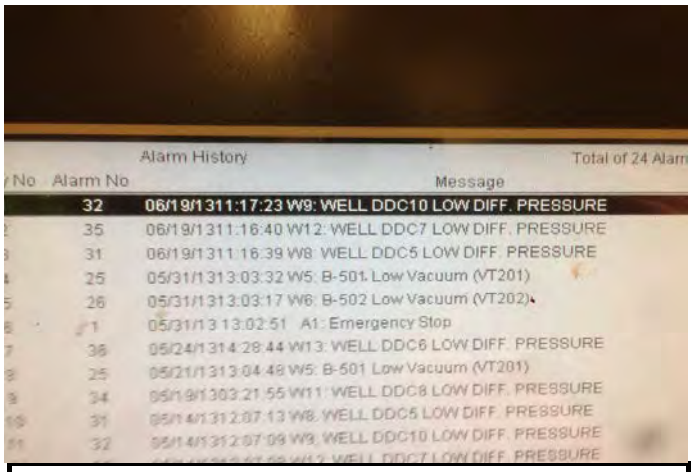
AIR SAMPLING DATA					
B-501			B-502		
Sample Port Position	SAMPLE PORT ID	VOC Reading (ppb / ppm)	Sample Port Position	SAMPLE PORT ID	VOC Reading (ppb / ppm)
Influent	SP-401B	-	Influent	SP-402B	-
Intermediate #1	SP-403B	-	Intermediate #1	SP-403A	-
Intermediate #2	SP-401A	-	Intermediate #2	SP-402A	-
Effluent	SP-501	-	Effluent	SP-502	-

CHILLER		TECHNICIAN COMMENTS/NOTES:
Set Temp. (°F)	-	
Actual Temp. (°F)	-	
Pump Pressure (PSI)	-	
Freon High Pres. (PSI)	-	
Freon Low Pres. (PSI)	-	

PHOTOGRAPHIC LOG
Date: 6-19-13
EA Engineering, P.C. Job No. 14907.16
National Heatset Printing Site - Off-Site

PHOTO	DATE	TIME	DESCRIPTION	COMMENTS
Picture 3548	5/14/2013	11:15	Three (3) alarms were noted upon arrival, one (1) alarm being an "Emergency Stop" alarm.	
Picture 3961	5/14/2013	11:00	Lawn maintenance was performed during the O&M visit on 6-19-2013.	

Photos (6.19.13)



Picture 3548- Three (3) alarms were noted upon arrival, one (1) alarm being an "Emergency Stop" alarm.

Picture 3961- Lawn maintenance was performed during the O&M visit on 6-19-2013.

Project: National Heatset Printing Site - Off-Site - Site Management
Contractors: EA Engineering, P.C. and Preferred Environmental Services

EA Job No: 1490716
Site No: 152140
EA Project Manager: James Hayward

EA Engineering, P.C.
6712 Brooklawn Parkway, Suite 104
Syracuse, NY 13211-2158
Phone: 315-431-4610,
Fax: 315-431-4280

DAILY REPORT

Day:	S	M	T	W	TH	F	S

Date: 18-Jul-13
REPORT No.
PAGE No. 1

PREPARED BY: Rob Peterson TITLE: Site Rep.

WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Clear
TEMP	To 32	32-50	50-70	70-85	85 and up
WIND	Light	Moderate	High		
HUMIDITY	Dry	Moderate	Humid		
WIND DIR	NE	NW	SE	SW	
	N	S	E	W	

AVERAGE FIELD FORCE

Name of Contractor	Title	Hours Worked	Remarks
Robert Peterson	Geologist	08:00-11:45	EA Engineering

VISITORS

Name	Time (From - To)	Representing	Remarks
N/A	N/A	N/A	N/A

EQUIPMENT AT THE SITE

I = Idle W = Working

1. Camera - W	3. Pressure Gauges - W	5. Vacuum Pump - W	7. VelociCalc - TSI 9555/9 -W
2. PID - W	4. Interface Probe - W	6. Four Gas Meter - W	

OPERATION & MAINTENANCE ACTIVITIES

EA/Preferred Site Rep: Robert Peterson - EA Engineering

DESCRIPTION OF WORK PERFORMED AND OBSERVED

07:00 - Robert Peterson (EA) arrived on-site. System was restarted yesterday (17 July 2013) and is operational today with no alarms triggered.

- During site visit, EA and Preferred Environmental Services (PES) conducted the quarterly off-site groundwater monitoring. Refer to DDC Wellhead Operating Data (pg. 3 of this report) for groundwater elevations.

- D&D Electric conducted routine blower maintenance on both blowers (B-501, B-502) on 17 July 2013. Maintenance included an oil change, lubrication, inspection of air filters and belts.

08:00 - Monthly O&M started.

- All operational data collected and recorded on pgs. 2-3 of this report.

- EA and PES collected quarterly air samples from carbon vessels. Please refer to pg. 3 of this report for air sampling field data.

12:00 - O&M completed.

12:20 - EA locked both sheds and the access gate. System operational upon departure.

[x] - Designates report is continued on additional pages

EA Engineering/Preferred Site Rep: **Robert Peterson (EA)** Project Manager: **J. Hayward**

O&M DATA SHEET - NATIONAL HEATSET - OFF-SITE SYSTEM

Date: 7/18/2013 **Time:** 7:00 **Weather:** 85º F - Bright Sun- High Humidity

B-501 Status on Arrival: Up / Down / Off **B-502 Status on Arrival:** Up / Down / Off

Alarm Light Status on Arrival: ON / OFF **Alarm Light Reset on Arrival:** YES / NO

SYSTEM OPERATING DATA							
ID	**B-501**	**TP-211**	**B-502**	**TP-212**	**B-503**	**TP-213**	**Time**
Hours	8,085.3	0.1	8,361.3	0.3	0	0	7:00
Hz	28	**Hz**	28		**Separator ID**	**Water Level (IN)**	**Drained**
PI-511	5.3	**PI-512**	6.5				
TSH-511	140	**TSH-512**	180		**ST-201**	0	**YES / NO**
					ST-202	0	**YES / NO**

VI-201	-2.0	IWC	**VI-202**	-5.0	IWC
TI-201	80	°F	**TI-202**	80	°F
DPT-201	0.32	IWC (6" Pipe)	**DPT-202**	0.45	IWC (6" Pipe)
V-DLH5-6	Open / Closed		**V-DLH5-6**	Open / Closed	
VI-401	-4.0	IWC	**VI-402**	-8.0	IWC
TI-401	81	°F	**TI-402**	83	°F
VI-401B	-5.0	IWC	**VI-402A**	-20	IWC
SP-401B	0.1	ppb / ppm	**SP-402A**	0.1	ppb / ppm
VI-401A	-18	IWC	**VI-402B**	-10.0	IWC
SP-401A	0.0	ppb / ppm	**SP-402B**	1.5	ppb / ppm
VI-403B	-13	IWC	**VI-403A**	-16	IWC
SP-403B	0.0	ppb / ppm	**SP-403A**	0.0	ppb / ppm
VI-501	-24	IWC	**VI-502**	-26	IWC
SP-501	0.0	ppb / ppm	**SP-502**	0.0	ppb / ppm
TI-501	82	°F	**TI-502**	86	°F
VI-501A	-24	IWC	**VI-502A**	-22	IWC
DPT-301	0.33	IWC (6" Pipe)	**DPT-302**	0.25	IWC (6" Pipe)
PI-301	6.0	PSI	**PI-302**	6.5	PSI
TI-301	114	°F	**TI-302**	115	°F
FM-601	82.7 gal		**Electric Meter Reading:**	7,619 kW/h @	9:30 AM

B-501 Status on Departure: UP / DOWN / OFF **B-502 Status on Departure:** UP / DOWN / OFF

Alarm Light Status on Departure: ON / OFF **Alarm Light Reset on Departure:** YES / NO

O&M DATA SHEET - NATIONAL HEATSET - OFF-SITE SYSTEM

Date: 07/18/13 Time: 7:00 Weather: 85º F - Bright Sun

INJECTION& EXTRACTION MANIFOLD OPERATING DATA							
Well ID	4" - INJECTION			6" - EXTRACTION			
	Δ Pressure (IWC)	Temp (°F)	Pressure (PSI)	Vacuum (IWC)	Temp (°F)	Velocity (ft/min)	VOCs (ppb or ppm)
DDC-05	-0.03	110	4.5	1.241	80	630	0.0
DDC-10	0.10	110	4.9	1.435	82	580	0.0
DDC-09	0.15	110	5.5	0.903	80	875	0.0
DDC-08	0.30	110	4.9	1.293	79	745	9.5
DDC-07	0.15	105	5.1	1.270	80	555	0.0
DDC-06	-0.15	110	5.1	1.455	78	650	0.0

DDC WELLHEAD OPERATING DATA						
WELL ID	PZ SHALLOW (FT)	PZ DEEP (FT)	Air Space (FT)	COMMENTS	MW ID	DTW (FT)
DDC-05	8.77	14.15	5.0'	None	MW-1D	8.25
DDC-10	8.61	12.50	1.5'	Dry	MW-1S	7.06
DDC-09	8.50	13.54	2.0'	5-Inches of pooled water within vault	MW-2D	11.27
DDC-08	7.80	12.61	1.0'	5-Inches of pooled water within vault	MW-2S	11.46
DDC-07	8.15	10.30	1.5'	Dry	MW-3D	7.70
DDC-06	7.95	8.06	4.0'	None	MW-3S	7.57

AIR SAMPLING DATA					
B-501			B-502		
Sample Port Position	SAMPLE PORT ID	VOC Reading (ppb / ppm)	Sample Port Position	SAMPLE PORT ID	VOC Reading (ppb / ppm)
Influent	SP-401B	0.0	Influent	SP-402B	2.1
Intermediate #1	SP-403B	0.0	Intermediate #1	SP-403A	0.0
Intermediate #2	SP-401A	0.0	Intermediate #2	SP-402A	0.0
Effluent	SP-501	0.0	Effluent	SP-502	0.0

CHILLER		TECHNICIAN COMMENTS/NOTES:
Set Temp. (°F)	75	
Actual Temp. (°F)	74	
Pump Pressure (PSI)	25	
Freon High Pres. (PSI)	200	
Freon Low Pres. (PSI)	120	

Lawn Cut by EA 0n 07/16/13

A-4: On-site Purge Forms

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
152140-MW-1S (Off-site)	Rob Peterson	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing - Babylon, NY	Good	90F, Sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinst 100-ft Water Level Indicator	17-Jul-13	Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
Down 0.1-ft.	13:55	1.0-in.

Purge Date:	Purge Time:
17-Jul-13	13:57
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	Rob Peterson

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
21.89	0.041	Down 0.1-ft.
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
7.06	0.61	Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
14.83	1.82	N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
13:58	6.35	0.106	254.0	11.25	27.22	251	7.06	0.5	--
14:03	6.18	0.133	65.1	8.28	21.88	232	7.06	0.5	2.5
14:08	6.15	0.161	11.2	6.01	19.83	241	7.06	0.5	5.0
14:13	6.09	0.169	2.2	5.83	19.21	253	7.06	0.5	7.5
14:18	6.03	0.173	0.0	5.47	18.99	267	7.06	0.5	10.0
14:23	6.01	0.175	0.0	5.28	18.85	275	7.06	0.5	12.5
14:28	5.99	0.177	0.0	5.09	18.67	284	7.06	0.5	15.0

Total Quantity of Water Removed (gal):	4.0	Sampling Time:	14:28
Samplers:	Rob Peterson	Split Sample With:	N/A
Sampling Date:	7/17/2013	Sample Type:	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	**EA Personnel:**	**Client:**
152140-MW-1D (Off-site)	Rob Peterson	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing - Babylon, NY	Good	90F, Sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinst 100-ft Water Level Indicator	17-Jul-13	Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
Down 0.1-ft.	13:54	1.0-in.

Purge Date:	**Purge Time:**
17-Jul-13	13:55
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	Rob Peterson

Well Volume

A. Well Depth (ft):	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
85.00	0.041	Down 0.1-ft.
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
8.25	3.15	Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
76.75	9.44	N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
13:55	5.91	0.114	87.9	1.62	25.03	97	8.25	0.5	--
14:00	5.88	0.112	73.9	1.61	21.52	104	8.25	0.5	2.5
14:05	5.85	0.111	87.9	0.57	20.54	115	8.25	0.5	5.0
14:10	5.82	0.110	103.0	0.79	20.36	123	8.25	0.5	7.5
14:15	5.76	0.109	101.0	1.02	20.02	133	8.25	0.5	10.0
14:20	5.72	0.107	97.0	1.11	19.95	141	8.25	0.5	12.5
14:25	5.72	0.105	76.1	1.26	20.03	149	8.25	0.5	15.0
14:30	5.67	0.106	51.2	1.39	19.69	159	8.25	0.5	17.5

Total Quantity of Water Removed (gal):	4.6	**Sampling Time:**	14:30
Samplers:	Rob Peterson	**Split Sample With:**	N/A
Sampling Date:	7/17/2013	**Sample Type:**	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	**EA Personnel:**	**Client:**
152140-MW-2S (Off-site)	Rob Peterson	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing - Babylon, NY	Good	90F, Sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinst 100-ft Water Level Indicator	17-Jul-13	Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
Down 0.1-ft.	13:00	1.0-in.

Purge Date:	**Purge Time:**
17-Jul-13	13:05
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	Rob Peterson

Well Volume

A. Well Depth (ft):	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
22.96	0.041	Down 0.1-ft.
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
11.46	0.47	Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
11.5	1.41	N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
13:05	6.85	0.154	378	13.88	26.74	237	11.47	0.5	--
13:10	6.53	0.157	280	12.04	24.04	251	11.47	0.5	2.5
13:15	6.17	0.158	229	11.77	22.81	78	11.47	0.5	5.0
13:20	6.09	0.158	303	11.95	22.72	268	11.47	0.5	7.5
13:25	5.99	0.158	291	11.68	22.53	278	11.47	0.5	10.0
13:30	5.94	0.159	252	11.08	22.21	285	11.47	0.5	12.5
13:35	5.91	0.160	232	11.08	21.97	291	11.47	0.5	15.0

Total Quantity of Water Removed (gal):	4.0	**Sampling Time:**	13:35
Samplers:	Rob Peterson	**Split Sample With:**	N/A
Sampling Date:	7/17/2013	**Sample Type:**	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
152140-MW-2D (Off-site)	Rob Peterson	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing - Babylon, NY	Good	90F, Sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinst 100-ft Water Level Indicator	17-Jul-13	Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
Down 0.1-ft.	12:55	1.0-in.

Purge Date:	Purge Time:
17-Jul-13	13:03
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	Rob Peterson

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
87.45	0.041	Down 0.1-ft.
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
11.27	3.12	Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
76.18	9.37	N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
13:03	6.25	0.146	9.8	0.38	32.37	142	11.30	0.5	--
13:08	5.88	0.138	12.4	1.69	25.72	170	11.30	0.5	2.5
13:13	5.41	0.130	15.1	3.29	24.48	202	11.30	0.5	5.0
13:18	5.40	0.130	14.2	3.20	24.40	208	11.30	0.5	7.5
13:23	5.39	0.130	18.3	3.00	24.83	214	11.30	0.5	10.0
13:28	5.40	0.130	12.0	2.95	25.89	220	11.30	0.5	12.5
13:33	5.40	0.131	13.4	2.91	26.08	223	11.30	0.5	15.0

Total Quantity of Water Removed (gal):	4.0	Sampling Time:	13:35
Samplers:	Rob Peterson	**Split Sample With:**	N/A
Sampling Date:	7/17/2013	**Sample Type:**	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
152140-MW-3S (Off-site)	Rob Peterson	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing - Babylon, NY	Good	90F, Sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinst 100-ft Water Level Indicator	17-Jul-13	Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
Down 0.1-ft.	9:45	1.0-in.

Purge Date:	Purge Time:
17-Jul-13	9:47
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	Rob Peterson

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
21.85	0.041	Down 0.1-ft.
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
7.57	0.59	Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
14.28	1.76	N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
9:47	6.76	0.208	28.0	4.77	21.55	288	7.59	0.5	--
9:52	6.87	0.208	0.0	3.72	19.67	286	7.59	0.5	2.5
9:57	6.82	0.206	0.0	3.95	19.18	288	7.59	0.5	5.0
10:02	6.81	0.207	0.0	4.10	19.28	288	7.59	0.5	7.5
10:07	6.82	0.205	0.0	4.11	19.31	288	7.59	0.5	10.0
10:12	6.74	0.204	0.0	4.52	19.28	286	7.59	0.5	12.5
10:17	6.78	0.203	0.0	4.50	19.30	286	7.59	0.5	15.0

Total Quantity of Water Removed (gal):	4.0	Sampling Time:	10:17
Samplers:	Rob Peterson	Split Sample With:	N/A
Sampling Date:	7/17/2013	Sample Type:	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
152140-MW-3D (Off-site)	Rob Peterson	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing - Babylon, NY	Good	90F, Sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinst 100-ft Water Level Indicator	17-Jul-13	Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
Down 0.1-ft.	9:47	1.0-in.

Purge Date:	Purge Time:
17-Jul-13	9:54
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	Rob Peterson

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
88.91	0.041	Down 0.1-ft.
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
7.70	3.33	Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
81.21	9.99	N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
9:55	6.01	0.106	77.6	4.04	25.16	7	7.70	0.5	--
10:00	5.67	0.111	33.3	2.06	23.39	52	7.70	0.5	2.5
10:05	5.56	0.111	41.1	2.25	21.78	91	7.70	0.5	5.0
10:10	5.53	0.112	34.3	2.19	21.94	126	7.70	0.5	7.5
10:15	5.51	0.112	27.6	2.13	22.28	136	7.70	0.5	10.0
10:20	5.51	0.112	20.2	2.05	23.09	150	7.70	0.5	12.5
10:25	5.51	0.112	19.8	2.04	23.13	152	7.70	0.5	15.0

Total Quantity of Water Removed (gal):	4.0	Sampling Time:	10:25
Samplers:	Rob Peterson	**Split Sample With:**	N/A
Sampling Date:	7/17/2013	**Sample Type:**	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
152140-DDC-5-PS	Rob Peterson	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing - Babylon, NY	Good	90F, Sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinst 100-ft Water Level Indicator	17-Jul-13	Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
Up 2.5-ft.	11:09	2.0-in.

Purge Date:	Purge Time:
17-Jul-13	11:11
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	Rob Peterson

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
29.85	0.163	Up 2.5-ft.
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
8.77	3.44	Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
21.08	10.31	N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
11:12	7.09	0.162	0.0	10.20	31.38	206	8.77	0.5	--
11:17	6.45	0.142	0.0	11.89	23.25	254	8.77	0.5	2.5
11:22	6.17	0.146	0.0	11.91	22.02	271	8.77	0.5	5.0
11:27	6.03	0.147	0.0	11.64	22.08	281	8.77	0.5	7.5
11:32	5.98	0.147	0.0	11.45	22.32	287	8.77	0.5	10.0
11:37	6.01	0.148	0.0	10.55	22.89	270	8.77	0.5	12.5
11:42	6.09	0.148	0.0	10.18	23.53	267	8.77	0.5	15.0

Total Quantity of Water Removed (gal):	4.0	Sampling Time:	11:42
Samplers:	Rob Peterson	Split Sample With:	MS/MSD
Sampling Date:	7/17/2013	Sample Type:	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
152140-DDC-5-PD	Rob Peterson	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing - Babylon, NY	Good	90F, Sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinst 100-ft Water Level Indicator	17-Jul-13	Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
Up 2.5-ft.	11:08	2.0-in.

Purge Date:	Purge Time:
17-Jul-13	11:10
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	Rob Peterson

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
81.64	0.163	Up 2.5-ft.
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
14.15	11.00	Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
67.49	33.00	N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
11:10	5.82	0.114	20.3	2.16	30.79	157	14.15	0.5	--
11:15	5.72	0.108	27.2	0.60	29.54	168	14.15	0.5	2.5
11:20	5.72	0.106	21.3	0.42	28.83	172	14.15	0.5	5.0
11:25	5.74	0.107	23.2	0.36	28.48	174	14.15	0.5	7.5
11:30	5.74	0.107	62.2	0.28	28.33	177	14.15	0.5	10.0
11:35	5.75	0.108	25.6	0.08	28.35	177	14.15	0.5	12.5
11:40	5.74	0.104	26.7	0.08	28.73	180	14.15	0.5	15.0

Total Quantity of Water Removed (gal):	4.0	Sampling Time:	11:42
Samplers:	Rob Peterson	Split Sample With:	DUP071713
Sampling Date:	7/17/2013	Sample Type:	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
152140-DDC-6-PS	Rob Peterson	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing - Babylon, NY	Good	90F, Sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinst 100-ft Water Level Indicator	17-Jul-13	Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
Down 0.3-ft.	8:53	2.0-in.

Purge Date:	Purge Time:
17-Jul-13	8:54
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	Rob Peterson

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
29.18	0.163	Down 0.3-ft.
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
7.95	3.46	Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
21.23	10.38	N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
8:55	6.48	0.101	250.0	17.40	27.19	263	7.95	0.5	--
9:00	7.39	0.224	0.0	1.30	22.53	243	7.95	0.5	2.5
9:05	7.07	0.243	0.0	0.47	20.22	269	7.95	0.5	5.0
9:10	6.77	0.247	0.0	0.17	19.48	287	7.95	0.5	7.5
9:15	6.54	0.244	0.0	0.12	19.16	298	7.95	0.5	10.0
9:20	6.46	0.240	0.0	0.07	19.01	302	7.95	0.5	12.5
9:25	6.38	0.229	0.0	0.07	18.91	306	7.95	0.5	15.0
9:30	6.35	0.224	0.0	0.07	18.89	308	7.95	0.5	17.5
9:35	6.34	0.220	0.0	0.05	18.88	309	7.95	0.5	20.0

Total Quantity of Water Removed (gal):	5.3	Sampling Time:	9:35
Samplers:	Rob Peterson	Split Sample With:	N/A
Sampling Date:	7/17/2013	Sample Type:	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
152140-DDC-6-PD	Rob Peterson	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing - Babylon, NY	Good	90F, Sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinst 100-ft Water Level Indicator	17-Jul-13	Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
Down 0.3-ft.	8:50	2.0-in.

Purge Date:	Purge Time:
17-Jul-13	8:57
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	Rob Peterson

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
80.23	0.163	Down 0.3-ft.
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
8.06	11.76	Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
72.17	35.29	N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
8:57	6.84	0.168	0.0	1.98	19.72	141	8.06	0.5	--
9:02	6.46	0.159	0.0	0.69	18.69	147	8.06	0.5	2.5
9:07	6.00	0.155	0.0	0.30	17.73	157	8.06	0.5	5.0
9:12	5.91	0.156	0.0	0.14	17.27	164	8.06	0.5	7.5
9:17	5.89	0.155	0.0	0.08	16.99	168	8.06	0.5	10.0
9:22	5.89	0.155	0.0	0.05	16.92	171	8.06	0.5	12.5
9:27	5.88	0.155	0.0	0.01	16.86	174	8.06	0.5	15.0

Total Quantity of Water Removed (gal):	4.0	Sampling Time:	9:27
Samplers:	Rob Peterson	**Split Sample With:**	N/A
Sampling Date:	7/17/2013	**Sample Type:**	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: 152140-DDC-7-PS	**EA Personnel:** Rob Peterson	**Client:** NYSDEC
Location: National Heatset Printing - Babylon, NY	**Well Condition:** Good	**Weather:** 90F, Sunny
Sounding Method: Solinst 100-ft Water Level Indicator	**Gauge Date:** 18-Jul-13	**Measurement Ref:** Top of Casing (TOC)
Stick Up/Down (ft): Down 1.0-ft.	**Gauge Time:** 6:45	**Well Diameter (in):** 2.0-in.

Purge Date: 18-Jul-13	**Purge Time:** 6:55
Purge Method: Low Flow via Peristaltic Pump	**Field Technician:** Rob Peterson

Well Volume

A. Well Depth (ft): 27.55	**D. Well Volume (ft):** 0.163	**Depth/Height of Top of PVC:** Down 1.0-ft.
B. Depth to Water (ft): 8.15	**E. Well Volume (gal) C*D):** 3.16	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B): 19.4	**F. Three Well Volumes (gal) (E3):** 9.49	**Pump Intake Depth:** N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
6:55	5.91	0.122	25.2	10.28	18.54	166	8.15	0.5	--
7:00	8.84	0.123	0.0	8.76	17.52	170	8.15	0.5	2.5
7:05	5.77	0.122	0.0	8.15	16.84	186	8.15	0.5	5.0
7:10	5.77	0.122	0.0	8.02	16.73	191	8.15	0.5	7.5
7:15	5.70	0.121	0.0	7.96	16.69	193	8.15	0.5	10.0
7:20	5.78	0.122	0.0	7.95	16.51	197	8.15	0.5	12.5
7:25	5.77	0.122	0.0	7.88	16.51	198	8.15	0.5	15.0
7:30	5.78	0.122	0.0	7.78	16.53	200	8.15	0.5	17.5

Total Quantity of Water Removed (gal):	4.6	**Sampling Time:**	7:30
Samplers:	Rob Peterson	**Split Sample With:**	N/A
Sampling Date:	7/18/2013	**Sample Type:**	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
152140-DDC-7-PD	Rob Peterson	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing - Babylon, NY	Good	90F, Sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinst 100-ft Water Level Indicator	18-Jul-13	Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
Down 1.0-ft.	6:46	2.0-in.

Purge Date:	Purge Time:
18-Jul-13	6:59
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	Rob Peterson

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
81.28	0.163	Down 1.0-ft.
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
10.30	11.57	Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
70.98	34.71	N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
7:00	6.27	0.142	253.0	17.04	25.85	286	10.30	0.5	--
7:05	6.99	0.152	0.0	7.23	21.64	268	10.30	0.5	2.5
Peristaltic Pump Battery Replaced.									
7:20	7.15	0.132	183.0	14.31	21.03	260	10.30	0.5	3.0
7:25	7.15	0.120	749.0	6.49	19.52	233	10.30	0.5	5.0
7:30	6.81	0.127	43.5	3.86	17.06	239	10.30	0.5	7.5
7:35	6.60	0.128	2.8	3.60	17.12	258	10.30	0.5	10.0
7:40	6.44	0.129	0.0	3.69	16.82	270	10.30	0.5	12.5
7:45	6.34	0.129	0.0	3.54	16.77	282	10.30	0.5	15.0
7:50	6.33	0.129	0.0	3.53	16.75	283	10.30	0.5	17.5

Total Quantity of Water Removed (gal):	4.6	Sampling Time:	7:50
Samplers:	Rob Peterson	Split Sample With:	N/A
Sampling Date:	7/18/2013	Sample Type:	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
152140-DDC-8-PS	Rob Peterson	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing - Babylon, NY	Good	90F, Sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinst 100-ft Water Level Indicator	18-Jul-13	Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
Down 1.0-ft.	8:22	2.0-in.

Purge Date:	Purge Time:
18-Jul-13	8:24
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	Rob Peterson

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
28.10	0.163	Down 1.0-ft.
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
7.80	3.31	Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
20.3	9.93	N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
8:25	6.66	0.138	0.0	19.31	20.62	247	7.80	0.5	--
8:30	6.65	0.145	0.0	16.17	17.87	265	7.80	0.5	2.5
8:35	6.59	0.146	0.0	16.05	17.24	275	7.80	0.5	5.0
8:40	6.58	0.146	0.0	16.06	17.07	278	7.80	0.5	7.5
8:45	6.58	0.147	0.0	15.94	17.12	281	7.80	0.5	10.0
8:50	6.59	0.146	0.0	15.89	17.10	283	7.80	0.5	12.5
8:55	6.59	0.147	0.0	15.92	17.12	283	7.80	0.5	15.0

Total Quantity of Water Removed (gal):	4.0	Sampling Time:	8:55
Samplers:	Rob Peterson	**Split Sample With:**	N/A
Sampling Date:	7/18/2013	**Sample Type:**	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
152140-DDC-8-PD	Rob Peterson	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing - Babylon, NY	Good	90F, Sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinst 100-ft Water Level Indicator	18-Jul-13	Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
Down 1.0-ft.	8:05	2.0-in.

Purge Date:	Purge Time:
18-Jul-13	8:07
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	Rob Peterson

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
83.35	0.163	Down 1.0-ft.
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
12.61	11.53	Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
70.74	34.59	N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
8:08	5.71	0.118	23.3	4.06	19.63	189	12.61	0.5	--
8:13	5.65	0.112	16.7	2.52	17.67	196	12.61	0.5	2.5
8:18	5.69	0.117	23.0	2.25	17.41	200	12.61	0.5	5.0
8:23	5.79	0.129	21.2	1.79	17.46	201	12.61	0.5	7.5
8:28	5.80	0.131	19.1	1.73	17.42	201	12.61	0.5	10.0
8:33	5.82	0.133	14.7	1.68	17.37	201	12.61	0.5	12.5
8:38	5.85	0.134	7.8	1.64	17.40	200	12.61	0.5	15.0
8:43	5.83	0.134	6.1	1.49	17.41	202	12.61	0.5	17.5

Total Quantity of Water Removed (gal):	4.6	Sampling Time:	8:43
Samplers:	Rob Peterson	Split Sample With:	N/A
Sampling Date:	7/18/2013	Sample Type:	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
152140-DDC-9-PS	Rob Peterson	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing - Babylon, NY	Good	90F, Sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinst 100-ft Water Level Indicator	18-Jul-13	Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
Down 2.0-ft.	9:55	2.0-in.

Purge Date:	Purge Time:
18-Jul-13	9:57
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	Rob Peterson

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
28.45	0.163	Down 2.0-ft.
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
8.50	3.25	Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
19.95	9.76	N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
9:57	6.64	0.146	0.0	13.88	21.98	270	8.50	0.5	--
10:02	6.65	0.144	0.0	14.76	19.19	280	8.50	0.5	2.5
10:07	6.65	0.144	0.0	14.80	19.08	281	8.50	0.5	5.0
10:12	6.64	0.143	0.0	14.57	18.76	283	8.50	0.5	7.5
10:17	6.64	0.143	0.0	14.74	18.52	283	8.50	0.5	10.0
10:22	6.64	0.143	0.0	14.35	18.69	283	8.50	0.5	12.5
10:27	6.65	0.143	0.0	14.35	18.37	283	8.50	0.5	15.0

Total Quantity of Water Removed (gal):	4.0	Sampling Time:	10:30
Samplers:	Rob Peterson	Split Sample With:	N/A
Sampling Date:	7/18/2013	Sample Type:	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: 152140-DDC-9-PD	**EA Personnel:** Rob Peterson	**Client:** NYSDEC
Location: National Heatset Printing - Babylon, NY	**Well Condition:** Good	**Weather:** 90F, Sunny
Sounding Method: Solinst 100-ft Water Level Indicator	**Gauge Date:** 18-Jul-13	**Measurement Ref:** Top of Casing (TOC)
Stick Up/Down (ft): Down 2.0-ft.	**Gauge Time:** 9:56	**Well Diameter (in):** 2.0-in.

Purge Date: 18-Jul-13	**Purge Time:** 10:00
Purge Method: Low Flow via Peristaltic Pump	**Field Technician:** Rob Peterson

Well Volume

A. Well Depth (ft): 80.51	**D. Well Volume (ft):** 0.163	**Depth/Height of Top of PVC:** Down 2.0-ft.
B. Depth to Water (ft): 13.54	**E. Well Volume (gal) C*D):** 10.92	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B): 66.97	**F. Three Well Volumes (gal) (E3):** 32.75	**Pump Intake Depth:** N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
10:00	5.64	0.094	10.9	3.22	25.57	198	13.54	0.5	--
10:05	5.61	0.093	12.2	3.04	24.14	200	13.54	0.5	2.5
10:10	5.74	0.094	5.4	4.36	21.55	203	13.54	0.5	5.0
10:15	5.77	0.094	19.0	4.22	21.10	208	13.54	0.5	7.5
10:20	5.78	0.095	21.2	4.15	20.50	212	13.54	0.5	10.0
10:25	5.77	0.095	18.5	3.81	20.38	214	13.54	0.5	12.5
10:30	5.77	0.095	17.2	3.84	20.27	215	13.54	0.5	15.0

Total Quantity of Water Removed (gal):	4.0	**Sampling Time:**	10:30
Samplers:	Rob Peterson	**Split Sample With:**	N/A
Sampling Date:	7/18/2013	**Sample Type:**	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
152140-DDC-10-PS	Rob Peterson	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing - Babylon, NY	Good	90F, Sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinst 100-ft Water Level Indicator	18-Jul-13	Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
Down 2.0-ft.	9:02	2.0-in.

Purge Date:	Purge Time:
18-Jul-13	9:07
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	Rob Peterson

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
27.80	0.163	Down 2.0-ft.
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
8.61	3.13	Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
19.19	9.38	N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
9:07	5.89	0.032	66.8	7.45	28.01	180	8.61	0.5	--
9:12	5.97	0.107	19.7	8.76	22.44	174	8.61	0.5	2.5
9:17	5.72	0.124	0.0	8.98	18.03	188	8.61	0.5	5.0
9:22	5.71	0.125	0.0	8.78	17.22	197	8.61	0.5	7.5
9:27	5.71	0.124	0.0	8.55	17.11	206	8.61	0.5	10.0
9:32	5.71	0.125	0.0	8.47	17.13	209	8.61	0.5	12.5
9:37	5.70	0.124	0.0	8.29	17.20	210	8.61	0.5	15.0

Total Quantity of Water Removed (gal):	4.0	Sampling Time:	9:37
Samplers:	Rob Peterson	**Split Sample With:**	N/A
Sampling Date:	7/18/2013	**Sample Type:**	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
152140-DDC-10-PD	Rob Peterson	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing - Babylon, NY	Good	90F, Sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinst 100-ft Water Level Indicator	18-Jul-13	Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
Down 2.0-ft.	9:03	2.0-in.

Purge Date:	Purge Time:
18-Jul-13	9:04
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	Rob Peterson

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
80.15	0.163	Down 2.0-ft.
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
12.48	11.03	Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
67.67	33.09	N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
9:05	6.12	0.179	125.0	14.9	25.38	276	12.50	0.5	--
9:10	6.49	0.145	0.0	6.10	21.25	279	12.50	0.5	2.5
9:15	6.50	0.143	3.2	6.32	20.27	281	12.50	0.5	5.0
9:20	6.51	0.14	8.4	6.53	20.24	285	12.50	0.5	7.5
9:25	6.50	0.140	13.6	6.61	20.03	289	12.50	0.5	10.0
9:30	6.47	0.140	11.5	9.19	19.96	293	12.50	0.5	12.5
9:35	6.46	0.140	4.7	6.54	19.97	294	12.50	0.5	15.0
9:40	6.46	0.140	2.1	6.49	19.93	295	12.50	0.5	17.5

Total Quantity of Water Removed (gal):	4.6	Sampling Time:	9:40
Samplers:	Rob Peterson	Split Sample With:	N/A
Sampling Date:	7/18/2013	Sample Type:	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

A-5: Off-site Purge Forms

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
152140-MW-1S (Off-site)	Rob Peterson	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing - Babylon, NY	Good	90F, Sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinst 100-ft Water Level Indicator	17-Jul-13	Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
Down 0.1-ft.	13:55	1.0-in.

Purge Date:	Purge Time:
17-Jul-13	13:57
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	Rob Peterson

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
21.89	0.041	Down 0.1-ft.
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
7.06	0.61	Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
14.83	1.82	N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
13:58	6.35	0.106	254.0	11.25	27.22	251	7.06	0.5	--
14:03	6.18	0.133	65.1	8.28	21.88	232	7.06	0.5	2.5
14:08	6.15	0.161	11.2	6.01	19.83	241	7.06	0.5	5.0
14:13	6.09	0.169	2.2	5.83	19.21	253	7.06	0.5	7.5
14:18	6.03	0.173	0.0	5.47	18.99	267	7.06	0.5	10.0
14:23	6.01	0.175	0.0	5.28	18.85	275	7.06	0.5	12.5
14:28	5.99	0.177	0.0	5.09	18.67	284	7.06	0.5	15.0

Total Quantity of Water Removed (gal):	4.0	Sampling Time:	14:28
Samplers:	Rob Peterson	Split Sample With:	N/A
Sampling Date:	7/17/2013	Sample Type:	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	**EA Personnel:**	**Client:**
152140-MW-1D (Off-site)	Rob Peterson	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing - Babylon, NY	Good	90F, Sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinst 100-ft Water Level Indicator	17-Jul-13	Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
Down 0.1-ft.	13:54	1.0-in.

Purge Date:	**Purge Time:**
17-Jul-13	13:55
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	Rob Peterson

Well Volume

A. Well Depth (ft):	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
85.00	0.041	Down 0.1-ft.
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
8.25	3.15	Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
76.75	9.44	N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
13:55	5.91	0.114	87.9	1.62	25.03	97	8.25	0.5	--
14:00	5.88	0.112	73.9	1.61	21.52	104	8.25	0.5	2.5
14:05	5.85	0.111	87.9	0.57	20.54	115	8.25	0.5	5.0
14:10	5.82	0.110	103.0	0.79	20.36	123	8.25	0.5	7.5
14:15	5.76	0.109	101.0	1.02	20.02	133	8.25	0.5	10.0
14:20	5.72	0.107	97.0	1.11	19.95	141	8.25	0.5	12.5
14:25	5.72	0.105	76.1	1.26	20.03	149	8.25	0.5	15.0
14:30	5.67	0.106	51.2	1.39	19.69	159	8.25	0.5	17.5

Total Quantity of Water Removed (gal):	4.6	**Sampling Time:**	14:30
Samplers:	Rob Peterson	**Split Sample With:**	N/A
Sampling Date:	7/17/2013	**Sample Type:**	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	**EA Personnel:**	**Client:**
152140-MW-2S (Off-site)	Rob Peterson	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing - Babylon, NY	Good	90F, Sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinst 100-ft Water Level Indicator	17-Jul-13	Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
Down 0.1-ft.	13:00	1.0-in.

Purge Date:	**Purge Time:**
17-Jul-13	13:05
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	Rob Peterson

Well Volume

A. Well Depth (ft):	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
22.96	0.041	Down 0.1-ft.
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
11.46	0.47	Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
11.5	1.41	N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
13:05	6.85	0.154	378	13.88	26.74	237	11.47	0.5	--
13:10	6.53	0.157	280	12.04	24.04	251	11.47	0.5	2.5
13:15	6.17	0.158	229	11.77	22.81	78	11.47	0.5	5.0
13:20	6.09	0.158	303	11.95	22.72	268	11.47	0.5	7.5
13:25	5.99	0.158	291	11.68	22.53	278	11.47	0.5	10.0
13:30	5.94	0.159	252	11.08	22.21	285	11.47	0.5	12.5
13:35	5.91	0.160	232	11.08	21.97	291	11.47	0.5	15.0

Total Quantity of Water Removed (gal):	4.0	**Sampling Time:**	13:35
Samplers:	Rob Peterson	**Split Sample With:**	N/A
Sampling Date:	7/17/2013	**Sample Type:**	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
152140-MW-2D (Off-site)	Rob Peterson	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing - Babylon, NY	Good	90F, Sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinst 100-ft Water Level Indicator	17-Jul-13	Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
Down 0.1-ft.	12:55	1.0-in.

Purge Date:	Purge Time:
17-Jul-13	13:03
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	Rob Peterson

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
87.45	0.041	Down 0.1-ft.
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
11.27	3.12	Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
76.18	9.37	N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
13:03	6.25	0.146	9.8	0.38	32.37	142	11.30	0.5	--
13:08	5.88	0.138	12.4	1.69	25.72	170	11.30	0.5	2.5
13:13	5.41	0.130	15.1	3.29	24.48	202	11.30	0.5	5.0
13:18	5.40	0.130	14.2	3.20	24.40	208	11.30	0.5	7.5
13:23	5.39	0.130	18.3	3.00	24.83	214	11.30	0.5	10.0
13:28	5.40	0.130	12.0	2.95	25.89	220	11.30	0.5	12.5
13:33	5.40	0.131	13.4	2.91	26.08	223	11.30	0.5	15.0

Total Quantity of Water Removed (gal):	4.0	Sampling Time:	13:35
Samplers:	Rob Peterson	**Split Sample With:**	N/A
Sampling Date:	7/17/2013	**Sample Type:**	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
152140-MW-3S (Off-site)	Rob Peterson	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing - Babylon, NY	Good	90F, Sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinst 100-ft Water Level Indicator	17-Jul-13	Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
Down 0.1-ft.	9:45	1.0-in.

Purge Date:	Purge Time:
17-Jul-13	9:47
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	Rob Peterson

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
21.85	0.041	Down 0.1-ft.
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
7.57	0.59	Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
14.28	1.76	N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
9:47	6.76	0.208	28.0	4.77	21.55	288	7.59	0.5	--
9:52	6.87	0.208	0.0	3.72	19.67	286	7.59	0.5	2.5
9:57	6.82	0.206	0.0	3.95	19.18	288	7.59	0.5	5.0
10:02	6.81	0.207	0.0	4.10	19.28	288	7.59	0.5	7.5
10:07	6.82	0.205	0.0	4.11	19.31	288	7.59	0.5	10.0
10:12	6.74	0.204	0.0	4.52	19.28	286	7.59	0.5	12.5
10:17	6.78	0.203	0.0	4.50	19.30	286	7.59	0.5	15.0

Total Quantity of Water Removed (gal):	4.0	Sampling Time:	10:17
Samplers:	Rob Peterson	Split Sample With:	N/A
Sampling Date:	7/17/2013	Sample Type:	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
152140-MW-3D (Off-site)	Rob Peterson	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing - Babylon, NY	Good	90F, Sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinst 100-ft Water Level Indicator	17-Jul-13	Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
Down 0.1-ft.	9:47	1.0-in.

Purge Date:	Purge Time:
17-Jul-13	9:54
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	Rob Peterson

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
88.91	0.041	Down 0.1-ft.
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
7.70	3.33	Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
81.21	9.99	N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
9:55	6.01	0.106	77.6	4.04	25.16	7	7.70	0.5	--
10:00	5.67	0.111	33.3	2.06	23.39	52	7.70	0.5	2.5
10:05	5.56	0.111	41.1	2.25	21.78	91	7.70	0.5	5.0
10:10	5.53	0.112	34.3	2.19	21.94	126	7.70	0.5	7.5
10:15	5.51	0.112	27.6	2.13	22.28	136	7.70	0.5	10.0
10:20	5.51	0.112	20.2	2.05	23.09	150	7.70	0.5	12.5
10:25	5.51	0.112	19.8	2.04	23.13	152	7.70	0.5	15.0

Total Quantity of Water Removed (gal):	4.0	Sampling Time:	10:25
Samplers:	Rob Peterson	**Split Sample With:**	N/A
Sampling Date:	7/17/2013	**Sample Type:**	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
152140-DDC-5-PS	Rob Peterson	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing - Babylon, NY	Good	90F, Sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinst 100-ft Water Level Indicator	17-Jul-13	Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
Up 2.5-ft.	11:09	2.0-in.

Purge Date:	Purge Time:
17-Jul-13	11:11
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	Rob Peterson

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
29.85	0.163	Up 2.5-ft.
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
8.77	3.44	Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
21.08	10.31	N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
11:12	7.09	0.162	0.0	10.20	31.38	206	8.77	0.5	--
11:17	6.45	0.142	0.0	11.89	23.25	254	8.77	0.5	2.5
11:22	6.17	0.146	0.0	11.91	22.02	271	8.77	0.5	5.0
11:27	6.03	0.147	0.0	11.64	22.08	281	8.77	0.5	7.5
11:32	5.98	0.147	0.0	11.45	22.32	287	8.77	0.5	10.0
11:37	6.01	0.148	0.0	10.55	22.89	270	8.77	0.5	12.5
11:42	6.09	0.148	0.0	10.18	23.53	267	8.77	0.5	15.0

Total Quantity of Water Removed (gal):	4.0	Sampling Time:	11:42
Samplers:	Rob Peterson	Split Sample With:	MS/MSD
Sampling Date:	7/17/2013	Sample Type:	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
152140-DDC-5-PD	Rob Peterson	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing - Babylon, NY	Good	90F, Sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinst 100-ft Water Level Indicator	17-Jul-13	Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
Up 2.5-ft.	11:08	2.0-in.

Purge Date:	Purge Time:
17-Jul-13	11:10
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	Rob Peterson

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
81.64	0.163	Up 2.5-ft.
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
14.15	11.00	Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
67.49	33.00	N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
11:10	5.82	0.114	20.3	2.16	30.79	157	14.15	0.5	--
11:15	5.72	0.108	27.2	0.60	29.54	168	14.15	0.5	2.5
11:20	5.72	0.106	21.3	0.42	28.83	172	14.15	0.5	5.0
11:25	5.74	0.107	23.2	0.36	28.48	174	14.15	0.5	7.5
11:30	5.74	0.107	62.2	0.28	28.33	177	14.15	0.5	10.0
11:35	5.75	0.108	25.6	0.08	28.35	177	14.15	0.5	12.5
11:40	5.74	0.104	26.7	0.08	28.73	180	14.15	0.5	15.0

Total Quantity of Water Removed (gal):	4.0	Sampling Time:	11:42
Samplers:	Rob Peterson	Split Sample With:	DUP071713
Sampling Date:	7/17/2013	Sample Type:	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
152140-DDC-6-PS	Rob Peterson	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing - Babylon, NY	Good	90F, Sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinst 100-ft Water Level Indicator	17-Jul-13	Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
Down 0.3-ft.	8:53	2.0-in.

Purge Date:	Purge Time:
17-Jul-13	8:54
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	Rob Peterson

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
29.18	0.163	Down 0.3-ft.
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
7.95	3.46	Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
21.23	10.38	N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
8:55	6.48	0.101	250.0	17.40	27.19	263	7.95	0.5	--
9:00	7.39	0.224	0.0	1.30	22.53	243	7.95	0.5	2.5
9:05	7.07	0.243	0.0	0.47	20.22	269	7.95	0.5	5.0
9:10	6.77	0.247	0.0	0.17	19.48	287	7.95	0.5	7.5
9:15	6.54	0.244	0.0	0.12	19.16	298	7.95	0.5	10.0
9:20	6.46	0.240	0.0	0.07	19.01	302	7.95	0.5	12.5
9:25	6.38	0.229	0.0	0.07	18.91	306	7.95	0.5	15.0
9:30	6.35	0.224	0.0	0.07	18.89	308	7.95	0.5	17.5
9:35	6.34	0.220	0.0	0.05	18.88	309	7.95	0.5	20.0

Total Quantity of Water Removed (gal):	5.3	Sampling Time:	9:35
Samplers:	Rob Peterson	Split Sample With:	N/A
Sampling Date:	7/17/2013	Sample Type:	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
152140-DDC-6-PD	Rob Peterson	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing - Babylon, NY	Good	90F, Sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinst 100-ft Water Level Indicator	17-Jul-13	Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
Down 0.3-ft.	8:50	2.0-in.

Purge Date:	Purge Time:
17-Jul-13	8:57
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	Rob Peterson

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
80.23	0.163	Down 0.3-ft.
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
8.06	11.76	Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
72.17	35.29	N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
8:57	6.84	0.168	0.0	1.98	19.72	141	8.06	0.5	--
9:02	6.46	0.159	0.0	0.69	18.69	147	8.06	0.5	2.5
9:07	6.00	0.155	0.0	0.30	17.73	157	8.06	0.5	5.0
9:12	5.91	0.156	0.0	0.14	17.27	164	8.06	0.5	7.5
9:17	5.89	0.155	0.0	0.08	16.99	168	8.06	0.5	10.0
9:22	5.89	0.155	0.0	0.05	16.92	171	8.06	0.5	12.5
9:27	5.88	0.155	0.0	0.01	16.86	174	8.06	0.5	15.0

Total Quantity of Water Removed (gal):	4.0	Sampling Time:	9:27
Samplers:	Rob Peterson	**Split Sample With:**	N/A
Sampling Date:	7/17/2013	**Sample Type:**	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: 152140-DDC-7-PS	**EA Personnel:** Rob Peterson	**Client:** NYSDEC
Location: National Heatset Printing - Babylon, NY	**Well Condition:** Good	**Weather:** 90F, Sunny
Sounding Method: Solinst 100-ft Water Level Indicator	**Gauge Date:** 18-Jul-13	**Measurement Ref:** Top of Casing (TOC)
Stick Up/Down (ft): Down 1.0-ft.	**Gauge Time:** 6:45	**Well Diameter (in):** 2.0-in.

Purge Date: 18-Jul-13	**Purge Time:** 6:55
Purge Method: Low Flow via Peristaltic Pump	**Field Technician:** Rob Peterson

Well Volume

A. Well Depth (ft): 27.55	**D. Well Volume (ft):** 0.163	**Depth/Height of Top of PVC:** Down 1.0-ft.
B. Depth to Water (ft): 8.15	**E. Well Volume (gal) C*D):** 3.16	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B): 19.4	**F. Three Well Volumes (gal) (E3):** 9.49	**Pump Intake Depth:** N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
6:55	5.91	0.122	25.2	10.28	18.54	166	8.15	0.5	--
7:00	8.84	0.123	0.0	8.76	17.52	170	8.15	0.5	2.5
7:05	5.77	0.122	0.0	8.15	16.84	186	8.15	0.5	5.0
7:10	5.77	0.122	0.0	8.02	16.73	191	8.15	0.5	7.5
7:15	5.70	0.121	0.0	7.96	16.69	193	8.15	0.5	10.0
7:20	5.78	0.122	0.0	7.95	16.51	197	8.15	0.5	12.5
7:25	5.77	0.122	0.0	7.88	16.51	198	8.15	0.5	15.0
7:30	5.78	0.122	0.0	7.78	16.53	200	8.15	0.5	17.5

Total Quantity of Water Removed (gal):	4.6	**Sampling Time:**	7:30
Samplers:	Rob Peterson	**Split Sample With:**	N/A
Sampling Date:	7/18/2013	**Sample Type:**	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
152140-DDC-7-PD	Rob Peterson	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing - Babylon, NY	Good	90F, Sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinst 100-ft Water Level Indicator	18-Jul-13	Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
Down 1.0-ft.	6:46	2.0-in.

Purge Date:	Purge Time:
18-Jul-13	6:59
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	Rob Peterson

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
81.28	0.163	Down 1.0-ft.
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
10.30	11.57	Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
70.98	34.71	N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
7:00	6.27	0.142	253.0	17.04	25.85	286	10.30	0.5	--
7:05	6.99	0.152	0.0	7.23	21.64	268	10.30	0.5	2.5
Peristaltic Pump Battery Replaced.									
7:20	7.15	0.132	183.0	14.31	21.03	260	10.30	0.5	3.0
7:25	7.15	0.120	749.0	6.49	19.52	233	10.30	0.5	5.0
7:30	6.81	0.127	43.5	3.86	17.06	239	10.30	0.5	7.5
7:35	6.60	0.128	2.8	3.60	17.12	258	10.30	0.5	10.0
7:40	6.44	0.129	0.0	3.69	16.82	270	10.30	0.5	12.5
7:45	6.34	0.129	0.0	3.54	16.77	282	10.30	0.5	15.0
7:50	6.33	0.129	0.0	3.53	16.75	283	10.30	0.5	17.5

Total Quantity of Water Removed (gal):	4.6	Sampling Time:	7:50
Samplers:	Rob Peterson	Split Sample With:	N/A
Sampling Date:	7/18/2013	Sample Type:	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
152140-DDC-8-PS	Rob Peterson	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing - Babylon, NY	Good	90F, Sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinst 100-ft Water Level Indicator	18-Jul-13	Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
Down 1.0-ft.	8:22	2.0-in.

Purge Date:	Purge Time:
18-Jul-13	8:24
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	Rob Peterson

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
28.10	0.163	Down 1.0-ft.
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
7.80	3.31	Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
20.3	9.93	N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
8:25	6.66	0.138	0.0	19.31	20.62	247	7.80	0.5	--
8:30	6.65	0.145	0.0	16.17	17.87	265	7.80	0.5	2.5
8:35	6.59	0.146	0.0	16.05	17.24	275	7.80	0.5	5.0
8:40	6.58	0.146	0.0	16.06	17.07	278	7.80	0.5	7.5
8:45	6.58	0.147	0.0	15.94	17.12	281	7.80	0.5	10.0
8:50	6.59	0.146	0.0	15.89	17.10	283	7.80	0.5	12.5
8:55	6.59	0.147	0.0	15.92	17.12	283	7.80	0.5	15.0

Total Quantity of Water Removed (gal):	4.0	Sampling Time:	8:55
Samplers:	Rob Peterson	**Split Sample With:**	N/A
Sampling Date:	7/18/2013	**Sample Type:**	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
152140-DDC-8-PD	Rob Peterson	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing - Babylon, NY	Good	90F, Sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinst 100-ft Water Level Indicator	18-Jul-13	Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
Down 1.0-ft.	8:05	2.0-in.

Purge Date:	Purge Time:
18-Jul-13	8:07
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	Rob Peterson

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
83.35	0.163	Down 1.0-ft.
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
12.61	11.53	Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
70.74	34.59	N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
8:08	5.71	0.118	23.3	4.06	19.63	189	12.61	0.5	--
8:13	5.65	0.112	16.7	2.52	17.67	196	12.61	0.5	2.5
8:18	5.69	0.117	23.0	2.25	17.41	200	12.61	0.5	5.0
8:23	5.79	0.129	21.2	1.79	17.46	201	12.61	0.5	7.5
8:28	5.80	0.131	19.1	1.73	17.42	201	12.61	0.5	10.0
8:33	5.82	0.133	14.7	1.68	17.37	201	12.61	0.5	12.5
8:38	5.85	0.134	7.8	1.64	17.40	200	12.61	0.5	15.0
8:43	5.83	0.134	6.1	1.49	17.41	202	12.61	0.5	17.5

Total Quantity of Water Removed (gal):	4.6	Sampling Time:	8:43
Samplers:	Rob Peterson	Split Sample With:	N/A
Sampling Date:	7/18/2013	Sample Type:	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
152140-DDC-9-PS	Rob Peterson	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing - Babylon, NY	Good	90F, Sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinst 100-ft Water Level Indicator	18-Jul-13	Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
Down 2.0-ft.	9:55	2.0-in.

Purge Date:	Purge Time:
18-Jul-13	9:57
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	Rob Peterson

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
28.45	0.163	Down 2.0-ft.
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
8.50	3.25	Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
19.95	9.76	N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
9:57	6.64	0.146	0.0	13.88	21.98	270	8.50	0.5	--
10:02	6.65	0.144	0.0	14.76	19.19	280	8.50	0.5	2.5
10:07	6.65	0.144	0.0	14.80	19.08	281	8.50	0.5	5.0
10:12	6.64	0.143	0.0	14.57	18.76	283	8.50	0.5	7.5
10:17	6.64	0.143	0.0	14.74	18.52	283	8.50	0.5	10.0
10:22	6.64	0.143	0.0	14.35	18.69	283	8.50	0.5	12.5
10:27	6.65	0.143	0.0	14.35	18.37	283	8.50	0.5	15.0

Total Quantity of Water Removed (gal):	4.0	Sampling Time:	10:30
Samplers:	Rob Peterson	Split Sample With:	N/A
Sampling Date:	7/18/2013	Sample Type:	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: 152140-DDC-9-PD	**EA Personnel:** Rob Peterson	**Client:** NYSDEC
Location: National Heatset Printing - Babylon, NY	**Well Condition:** Good	**Weather:** 90F, Sunny
Sounding Method: Solinst 100-ft Water Level Indicator	**Gauge Date:** 18-Jul-13	**Measurement Ref:** Top of Casing (TOC)
Stick Up/Down (ft): Down 2.0-ft.	**Gauge Time:** 9:56	**Well Diameter (in):** 2.0-in.

Purge Date: 18-Jul-13	**Purge Time:** 10:00
Purge Method: Low Flow via Peristaltic Pump	**Field Technician:** Rob Peterson

Well Volume

A. Well Depth (ft): 80.51	**D. Well Volume (ft):** 0.163	**Depth/Height of Top of PVC:** Down 2.0-ft.
B. Depth to Water (ft): 13.54	**E. Well Volume (gal) C*D):** 10.92	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B): 66.97	**F. Three Well Volumes (gal) (E3):** 32.75	**Pump Intake Depth:** N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
10:00	5.64	0.094	10.9	3.22	25.57	198	13.54	0.5	--
10:05	5.61	0.093	12.2	3.04	24.14	200	13.54	0.5	2.5
10:10	5.74	0.094	5.4	4.36	21.55	203	13.54	0.5	5.0
10:15	5.77	0.094	19.0	4.22	21.10	208	13.54	0.5	7.5
10:20	5.78	0.095	21.2	4.15	20.50	212	13.54	0.5	10.0
10:25	5.77	0.095	18.5	3.81	20.38	214	13.54	0.5	12.5
10:30	5.77	0.095	17.2	3.84	20.27	215	13.54	0.5	15.0

Total Quantity of Water Removed (gal):	4.0	**Sampling Time:**	10:30
Samplers:	Rob Peterson	**Split Sample With:**	N/A
Sampling Date:	7/18/2013	**Sample Type:**	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
152140-DDC-10-PS	Rob Peterson	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing - Babylon, NY	Good	90F, Sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinst 100-ft Water Level Indicator	18-Jul-13	Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
Down 2.0-ft.	9:02	2.0-in.

Purge Date:	Purge Time:
18-Jul-13	9:07
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	Rob Peterson

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
27.80	0.163	Down 2.0-ft.
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
8.61	3.13	Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
19.19	9.38	N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
9:07	5.89	0.032	66.8	7.45	28.01	180	8.61	0.5	--
9:12	5.97	0.107	19.7	8.76	22.44	174	8.61	0.5	2.5
9:17	5.72	0.124	0.0	8.98	18.03	188	8.61	0.5	5.0
9:22	5.71	0.125	0.0	8.78	17.22	197	8.61	0.5	7.5
9:27	5.71	0.124	0.0	8.55	17.11	206	8.61	0.5	10.0
9:32	5.71	0.125	0.0	8.47	17.13	209	8.61	0.5	12.5
9:37	5.70	0.124	0.0	8.29	17.20	210	8.61	0.5	15.0

Total Quantity of Water Removed (gal):	4.0	Sampling Time:	9:37
Samplers:	Rob Peterson	**Split Sample With:**	N/A
Sampling Date:	7/18/2013	**Sample Type:**	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
152140-DDC-10-PD	Rob Peterson	NYSDEC
Location:	**Well Condition:**	**Weather:**
National Heatset Printing - Babylon, NY	Good	90F, Sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinst 100-ft Water Level Indicator	18-Jul-13	Top of Casing (TOC)
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
Down 2.0-ft.	9:03	2.0-in.

Purge Date:	Purge Time:
18-Jul-13	9:04
Purge Method:	**Field Technician:**
Low Flow via Peristaltic Pump	Rob Peterson

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
80.15	0.163	Down 2.0-ft.
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
12.48	11.03	Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
67.67	33.09	N/A

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
9:05	6.12	0.179	125.0	14.9	25.38	276	12.50	0.5	--
9:10	6.49	0.145	0.0	6.10	21.25	279	12.50	0.5	2.5
9:15	6.50	0.143	3.2	6.32	20.27	281	12.50	0.5	5.0
9:20	6.51	0.14	8.4	6.53	20.24	285	12.50	0.5	7.5
9:25	6.50	0.140	13.6	6.61	20.03	289	12.50	0.5	10.0
9:30	6.47	0.140	11.5	9.19	19.96	293	12.50	0.5	12.5
9:35	6.46	0.140	4.7	6.54	19.97	294	12.50	0.5	15.0
9:40	6.46	0.140	2.1	6.49	19.93	295	12.50	0.5	17.5

Total Quantity of Water Removed (gal):	4.6	Sampling Time:	9:40
Samplers:	Rob Peterson	Split Sample With:	N/A
Sampling Date:	7/18/2013	Sample Type:	VOC - Grab via Bailer

COMMENTS AND OBSERVATIONS: No Comments.

Attachment B

(Laboratory Analytical Data – System Vapor Samples)

B-1: On-site DDC / SVE

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7/29/2013

Mr. Jim Hayward
EA Engineering
6712 Brooklawn Parkway

Syracuse NY 13211

Project Name: National Heatset
Project #: 1490716.0002
Workorder #: 1307299

Dear Mr. Jim Hayward

The following report includes the data for the above referenced project for sample(s) received on 7/17/2013 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Ausha Scott

Project Manager

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WORK ORDER #: 1307299

Work Order Summary

CLIENT:	Mr. Jim Hayward EA Engineering 6712 Brooklawn Parkway Syracuse, NY 13211	**BILL TO:**	Ms. Accounts Payable EA Engineering 3 Washington Center Newburgh, NY 12550
PHONE:	315-431-4610	**P.O. #**	1490716.0002
FAX:	315-431-4280	**PROJECT #**	1490716.0002 National Heatset
DATE RECEIVED:	07/17/2013	**CONTACT:**	Ausha Scott
DATE COMPLETED:	07/29/2013		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A(cancelled)	System1-Influent	Modified TO-15	Tedlar Bag	Tedlar Bag
02A(cancelled)	System1-MidGAC	Modified TO-15	Tedlar Bag	Tedlar Bag
03A	System1-Effluent	Modified TO-15	Tedlar Bag	Tedlar Bag
04A	System2-Influent1	Modified TO-15	Tedlar Bag	Tedlar Bag
05A(cancelled)	System2-Influent2	Modified TO-15	Tedlar Bag	Tedlar Bag
06A	System2-Effluent	Modified TO-15	Tedlar Bag	Tedlar Bag
07A	SVE-Effluent	Modified TO-15	Tedlar Bag	Tedlar Bag
08A	Lab Blank	Modified TO-15	NA	NA
09A	CCV	Modified TO-15	NA	NA
10A	LCS	Modified TO-15	NA	NA
10AA	LCSD	Modified TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 07/29/13

Technical Director

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NY NELAP - 11291,
TX NELAP - T104704434-12-4, UT NELAP CA009332012-3, WA NELAP - C935
Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2012, Expiration date: 10/17/2013.
Eurofins Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
EPA Method TO-15
EA Engineering
Workorder# 1307299

Seven Client Tedlar Bag samples were received on July 17, 2013. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

The Tedlar bag for samples System1-Influent, System1-MidGAC and System2-Influent2 arrived flat. The client was notified that analysis was not possible.

Analytical Notes

Dilution was performed on sample SVE-Effluent due to the presence of high level target species.

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

Method TO-15 is validated for samples collected in specially treated canisters. As such, the use of Tedlar bags for sample collection is outside the scope of the method and not recommended for ambient or indoor air samples. It is the responsibility of the data user to determine the usability of TO-15 results generated from Tedlar bags.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: System1-Effluent

Lab ID#: 1307299-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.50	120	1.3	320
Ethanol	2.0	39	3.8	73
Acetone	5.0	7.4	12	17
trans-1,2-Dichloroethene	0.50	1.7	2.0	6.7
cis-1,2-Dichloroethene	0.50	74	2.0	300
Chloroform	0.50	1.2	2.4	6.0
Trichloroethene	0.50	0.62	2.7	3.3
4-Methyl-2-pentanone	0.50	0.62	2.0	2.5
Toluene	0.50	13	1.9	50
Tetrachloroethene	0.50	15	3.4	100
Ethyl Benzene	0.50	0.57	2.2	2.5
m,p-Xylene	0.50	1.8	2.2	7.8
o-Xylene	0.50	0.50	2.2	2.2
4-Ethyltoluene	0.50	0.52	2.4	2.5
1,2,4-Trimethylbenzene	0.50	0.56	2.4	2.7

Client Sample ID: System2-Influent1

Lab ID#: 1307299-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	0.50	2.5	2.5
Vinyl Chloride	0.50	13	1.3	34
Ethanol	2.0	42	3.8	79
Acetone	5.0	12	12	30
trans-1,2-Dichloroethene	0.50	0.84	2.0	3.3
2-Butanone (Methyl Ethyl Ketone)	2.0	26	5.9	78
cis-1,2-Dichloroethene	0.50	59	2.0	230
Tetrahydrofuran	0.50	6.1	1.5	18
Chloroform	0.50	2.3	2.4	11
Carbon Tetrachloride	0.50	0.69	3.1	4.3
Trichloroethene	0.50	5.7	2.7	31
4-Methyl-2-pentanone	0.50	1.5	2.0	6.2
Toluene	0.50	8.2	1.9	31

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: System2-Influent1

Lab ID#: 1307299-04A

Tetrachloroethene	0.50	130	3.4	860
Ethyl Benzene	0.50	0.50	2.2	2.2
m,p-Xylene	0.50	1.7	2.2	7.5
o-Xylene	0.50	0.56	2.2	2.4
4-Ethyltoluene	0.50	0.55	2.4	2.7
1,2,4-Trimethylbenzene	0.50	0.65	2.4	3.2

Client Sample ID: System2-Effluent

Lab ID#: 1307299-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	0.50	2.5	2.5
Vinyl Chloride	0.50	5.6	1.3	14
Ethanol	2.0	36	3.8	69
Acetone	5.0	12	12	28
2-Propanol	2.0	8.2	4.9	20
cis-1,2-Dichloroethene	0.50	23	2.0	90
Chloroform	0.50	0.84	2.4	4.1
Trichloroethene	0.50	0.96	2.7	5.1
4-Methyl-2-pentanone	0.50	0.52	2.0	2.1
Toluene	0.50	8.6	1.9	32
Tetrachloroethene	0.50	1.6	3.4	11
m,p-Xylene	0.50	1.5	2.2	6.5
4-Ethyltoluene	0.50	0.60	2.4	3.0
1,2,4-Trimethylbenzene	0.50	0.61	2.4	3.0

Client Sample ID: SVE-Effluent

Lab ID#: 1307299-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethanol	11	20	22	38
cis-1,2-Dichloroethene	2.8	4.8	11	19
Trichloroethene	2.8	20	15	110
Toluene	2.8	12	11	46

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SVE-Effluent

Lab ID#: 1307299-07A

Tetrachloroethene	2.8	780	19	5300

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Client Sample ID: System1-Effluent

Lab ID#: 1307299-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j071809**	**Date of Collection:**	**7/16/13 10:10:00 AM**
Dil. Factor:	**1.00**	**Date of Analysis:**	**7/18/13 02:34 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	120	1.3	320
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	39	3.8	73
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	5.0	7.4	12	17
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	2.0	Not Detected	6.2	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	1.7	2.0	6.7
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	5.9	Not Detected
cis-1,2-Dichloroethene	0.50	74	2.0	300
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	1.2	2.4	6.0
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	0.62	2.7	3.3
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	0.62	2.0	2.5
Toluene	0.50	13	1.9	50
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	15	3.4	100
2-Hexanone	2.0	Not Detected	8.2	Not Detected

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Client Sample ID: System1-Effluent

Lab ID#: 1307299-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j071809**	**Date of Collection: 7/16/13 10:10:00 AM**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/18/13 02:34 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	0.57	2.2	2.5
m,p-Xylene	0.50	1.8	2.2	7.8
o-Xylene	0.50	0.50	2.2	2.2
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	0.52	2.4	2.5
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	0.56	2.4	2.7
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

Container Type: Client Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	123	70-130

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Client Sample ID: System2-Influent1

Lab ID#: 1307299-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j071810**	**Date of Collection: 7/16/13 8:55:00 AM**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/18/13 03:16 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	0.50	2.5	2.5
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	13	1.3	34
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	42	3.8	79
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	5.0	12	12	30
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	2.0	Not Detected	6.2	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	0.84	2.0	3.3
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	26	5.9	78
cis-1,2-Dichloroethene	0.50	59	2.0	230
Tetrahydrofuran	0.50	6.1	1.5	18
Chloroform	0.50	2.3	2.4	11
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	0.69	3.1	4.3
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	5.7	2.7	31
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	1.5	2.0	6.2
Toluene	0.50	8.2	1.9	31
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	130	3.4	860
2-Hexanone	2.0	Not Detected	8.2	Not Detected

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Client Sample ID: System2-Influent1

Lab ID#: 1307299-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j071810**	**Date of Collection: 7/16/13 8:55:00 AM**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/18/13 03:16 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	0.50	2.2	2.2
m,p-Xylene	0.50	1.7	2.2	7.5
o-Xylene	0.50	0.56	2.2	2.4
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	0.55	2.4	2.7
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	0.65	2.4	3.2
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

Container Type: Client Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	120	70-130

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Client Sample ID: System2-Effluent

Lab ID#: 1307299-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j071815**	**Date of Collection: 7/16/13 9:05:00 AM**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/18/13 06:53 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	0.50	2.5	2.5
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	5.6	1.3	14
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	36	3.8	69
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	5.0	12	12	28
2-Propanol	2.0	8.2	4.9	20
Carbon Disulfide	2.0	Not Detected	6.2	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	5.9	Not Detected
cis-1,2-Dichloroethene	0.50	23	2.0	90
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	0.84	2.4	4.1
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	0.96	2.7	5.1
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	0.52	2.0	2.1
Toluene	0.50	8.6	1.9	32
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	1.6	3.4	11
2-Hexanone	2.0	Not Detected	8.2	Not Detected

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Client Sample ID: System2-Effluent

Lab ID#: 1307299-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j071815**	**Date of Collection: 7/16/13 9:05:00 AM**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/18/13 06:53 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	1.5	2.2	6.5
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	0.60	2.4	3.0
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	0.61	2.4	3.0
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

Container Type: Client Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130
1,2-Dichloroethane-d4	107	70-130
4-Bromofluorobenzene	120	70-130

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Client Sample ID: SVE-Effluent

Lab ID#: 1307299-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j071813**	**Date of Collection: 7/16/13 1:25:00 PM**	
Dil. Factor:	**5.71**	**Date of Analysis: 7/18/13 05:14 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	2.8	Not Detected	14	Not Detected
Freon 114	2.8	Not Detected	20	Not Detected
Chloromethane	28	Not Detected	59	Not Detected
Vinyl Chloride	2.8	Not Detected	7.3	Not Detected
1,3-Butadiene	2.8	Not Detected	6.3	Not Detected
Bromomethane	28	Not Detected	110	Not Detected
Chloroethane	11	Not Detected	30	Not Detected
Freon 11	2.8	Not Detected	16	Not Detected
Ethanol	11	20	22	38
Freon 113	2.8	Not Detected	22	Not Detected
1,1-Dichloroethene	2.8	Not Detected	11	Not Detected
Acetone	28	Not Detected	68	Not Detected
2-Propanol	11	Not Detected	28	Not Detected
Carbon Disulfide	11	Not Detected	36	Not Detected
3-Chloropropene	11	Not Detected	36	Not Detected
Methylene Chloride	28	Not Detected	99	Not Detected
Methyl tert-butyl ether	2.8	Not Detected	10	Not Detected
trans-1,2-Dichloroethene	2.8	Not Detected	11	Not Detected
Hexane	2.8	Not Detected	10	Not Detected
1,1-Dichloroethane	2.8	Not Detected	12	Not Detected
2-Butanone (Methyl Ethyl Ketone)	11	Not Detected	34	Not Detected
cis-1,2-Dichloroethene	2.8	4.8	11	19
Tetrahydrofuran	2.8	Not Detected	8.4	Not Detected
Chloroform	2.8	Not Detected	14	Not Detected
1,1,1-Trichloroethane	2.8	Not Detected	16	Not Detected
Cyclohexane	2.8	Not Detected	9.8	Not Detected
Carbon Tetrachloride	2.8	Not Detected	18	Not Detected
2,2,4-Trimethylpentane	2.8	Not Detected	13	Not Detected
Benzene	2.8	Not Detected	9.1	Not Detected
1,2-Dichloroethane	2.8	Not Detected	12	Not Detected
Heptane	2.8	Not Detected	12	Not Detected
Trichloroethene	2.8	20	15	110
1,2-Dichloropropane	2.8	Not Detected	13	Not Detected
1,4-Dioxane	11	Not Detected	41	Not Detected
Bromodichloromethane	2.8	Not Detected	19	Not Detected
cis-1,3-Dichloropropene	2.8	Not Detected	13	Not Detected
4-Methyl-2-pentanone	2.8	Not Detected	12	Not Detected
Toluene	2.8	12	11	46
trans-1,3-Dichloropropene	2.8	Not Detected	13	Not Detected
1,1,2-Trichloroethane	2.8	Not Detected	16	Not Detected
Tetrachloroethene	2.8	780	19	5300
2-Hexanone	11	Not Detected	47	Not Detected

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Client Sample ID: SVE-Effluent

Lab ID#: 1307299-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j071813**	**Date of Collection: 7/16/13 1:25:00 PM**	
Dil. Factor:	**5.71**	**Date of Analysis: 7/18/13 05:14 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	2.8	Not Detected	24	Not Detected
1,2-Dibromoethane (EDB)	2.8	Not Detected	22	Not Detected
Chlorobenzene	2.8	Not Detected	13	Not Detected
Ethyl Benzene	2.8	Not Detected	12	Not Detected
m,p-Xylene	2.8	Not Detected	12	Not Detected
o-Xylene	2.8	Not Detected	12	Not Detected
Styrene	2.8	Not Detected	12	Not Detected
Bromoform	2.8	Not Detected	30	Not Detected
Cumene	2.8	Not Detected	14	Not Detected
1,1,2,2-Tetrachloroethane	2.8	Not Detected	20	Not Detected
Propylbenzene	2.8	Not Detected	14	Not Detected
4-Ethyltoluene	2.8	Not Detected	14	Not Detected
1,3,5-Trimethylbenzene	2.8	Not Detected	14	Not Detected
1,2,4-Trimethylbenzene	2.8	Not Detected	14	Not Detected
1,3-Dichlorobenzene	2.8	Not Detected	17	Not Detected
1,4-Dichlorobenzene	2.8	Not Detected	17	Not Detected
alpha-Chlorotoluene	2.8	Not Detected	15	Not Detected
1,2-Dichlorobenzene	2.8	Not Detected	17	Not Detected
1,2,4-Trichlorobenzene	11	Not Detected	85	Not Detected
Hexachlorobutadiene	11	Not Detected	120	Not Detected

Container Type: Client Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	120	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1307299-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j071808**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/18/13 01:31 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	5.0	Not Detected	12	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	2.0	Not Detected	6.2	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	5.9	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected

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Client Sample ID: Lab Blank

Lab ID#: 1307299-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j071808**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/18/13 01:31 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130
1,2-Dichloroethane-d4	108	70-130
4-Bromofluorobenzene	112	70-130

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Client Sample ID: CCV

Lab ID#: 1307299-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j071802**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/18/13 09:17 AM**	

Compound	%Recovery
Freon 12	109
Freon 114	112
Chloromethane	95
Vinyl Chloride	94
1,3-Butadiene	89
Bromomethane	106
Chloroethane	96
Freon 11	113
Ethanol	85
Freon 113	112
1,1-Dichloroethene	101
Acetone	98
2-Propanol	96
Carbon Disulfide	93
3-Chloropropene	91
Methylene Chloride	85
Methyl tert-butyl ether	121
trans-1,2-Dichloroethene	95
Hexane	89
1,1-Dichloroethane	96
2-Butanone (Methyl Ethyl Ketone)	88
cis-1,2-Dichloroethene	88
Tetrahydrofuran	82
Chloroform	104
1,1,1-Trichloroethane	112
Cyclohexane	88
Carbon Tetrachloride	113
2,2,4-Trimethylpentane	86
Benzene	90
1,2-Dichloroethane	112
Heptane	92
Trichloroethene	99
1,2-Dichloropropane	88
1,4-Dioxane	96
Bromodichloromethane	106
cis-1,3-Dichloropropene	94
4-Methyl-2-pentanone	93
Toluene	92
trans-1,3-Dichloropropene	106
1,1,2-Trichloroethane	94
Tetrachloroethene	99
2-Hexanone	92

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Client Sample ID: CCV

Lab ID#: 1307299-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j071802**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/18/13 09:17 AM**	

Compound	%Recovery
Dibromochloromethane	112
1,2-Dibromoethane (EDB)	101
Chlorobenzene	85
Ethyl Benzene	95
m,p-Xylene	100
o-Xylene	101
Styrene	99
Bromoform	114
Cumene	104
1,1,2,2-Tetrachloroethane	87
Propylbenzene	99
4-Ethyltoluene	109
1,3,5-Trimethylbenzene	98
1,2,4-Trimethylbenzene	104
1,3-Dichlorobenzene	105
1,4-Dichlorobenzene	108
alpha-Chlorotoluene	120
1,2-Dichlorobenzene	108
1,2,4-Trichlorobenzene	118
Hexachlorobutadiene	136 Q

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	108	70-130
4-Bromofluorobenzene	116	70-130

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Client Sample ID: LCS

Lab ID#: 1307299-10A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j071803**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/18/13 09:52 AM**	

Compound	%Recovery
Freon 12	108
Freon 114	112
Chloromethane	86
Vinyl Chloride	95
1,3-Butadiene	91
Bromomethane	98
Chloroethane	94
Freon 11	113
Ethanol	71
Freon 113	111
1,1-Dichloroethene	107
Acetone	90
2-Propanol	96
Carbon Disulfide	113
3-Chloropropene	99
Methylene Chloride	81
Methyl tert-butyl ether	116
trans-1,2-Dichloroethene	102
Hexane	89
1,1-Dichloroethane	93
2-Butanone (Methyl Ethyl Ketone)	84
cis-1,2-Dichloroethene	85
Tetrahydrofuran	77
Chloroform	100
1,1,1-Trichloroethane	110
Cyclohexane	87
Carbon Tetrachloride	113
2,2,4-Trimethylpentane	82
Benzene	87
1,2-Dichloroethane	106
Heptane	85
Trichloroethene	123
1,2-Dichloropropane	84
1,4-Dioxane	92
Bromodichloromethane	102
cis-1,3-Dichloropropene	89
4-Methyl-2-pentanone	89
Toluene	87
trans-1,3-Dichloropropene	104
1,1,2-Trichloroethane	91
Tetrachloroethene	97
2-Hexanone	92

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Client Sample ID: LCS

Lab ID#: 1307299-10A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j071803**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/18/13 09:52 AM**	

Compound	%Recovery
Dibromochloromethane	107
1,2-Dibromoethane (EDB)	97
Chlorobenzene	84
Ethyl Benzene	93
m,p-Xylene	100
o-Xylene	97
Styrene	100
Bromoform	109
Cumene	104
1,1,2,2-Tetrachloroethane	62 Q
Propylbenzene	99
4-Ethyltoluene	107
1,3,5-Trimethylbenzene	99
1,2,4-Trimethylbenzene	102
1,3-Dichlorobenzene	107
1,4-Dichlorobenzene	108
alpha-Chlorotoluene	111
1,2-Dichlorobenzene	108
1,2,4-Trichlorobenzene	130
Hexachlorobutadiene	139 Q

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	116	70-130

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Client Sample ID: LCSD

Lab ID#: 1307299-10AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j071804**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/18/13 10:21 AM**	

Compound	%Recovery
Freon 12	108
Freon 114	112
Chloromethane	94
Vinyl Chloride	93
1,3-Butadiene	93
Bromomethane	102
Chloroethane	95
Freon 11	113
Ethanol	68 Q
Freon 113	112
1,1-Dichloroethene	106
Acetone	92
2-Propanol	97
Carbon Disulfide	114
3-Chloropropene	102
Methylene Chloride	84
Methyl tert-butyl ether	118
trans-1,2-Dichloroethene	105
Hexane	90
1,1-Dichloroethane	94
2-Butanone (Methyl Ethyl Ketone)	86
cis-1,2-Dichloroethene	87
Tetrahydrofuran	78
Chloroform	102
1,1,1-Trichloroethane	111
Cyclohexane	87
Carbon Tetrachloride	115
2,2,4-Trimethylpentane	83
Benzene	88
1,2-Dichloroethane	106
Heptane	84
Trichloroethene	125
1,2-Dichloropropane	82
1,4-Dioxane	94
Bromodichloromethane	100
cis-1,3-Dichloropropene	90
4-Methyl-2-pentanone	88
Toluene	88
trans-1,3-Dichloropropene	101
1,1,2-Trichloroethane	87
Tetrachloroethene	95
2-Hexanone	90

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Client Sample ID: LCSD

Lab ID#: 1307299-10AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j071804**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/18/13 10:21 AM**	

Compound	%Recovery
Dibromochloromethane	103
1,2-Dibromoethane (EDB)	94
Chlorobenzene	82
Ethyl Benzene	90
m,p-Xylene	98
o-Xylene	95
Styrene	97
Bromoform	106
Cumene	102
1,1,2,2-Tetrachloroethane	60 Q
Propylbenzene	96
4-Ethyltoluene	102
1,3,5-Trimethylbenzene	96
1,2,4-Trimethylbenzene	100
1,3-Dichlorobenzene	103
1,4-Dichlorobenzene	105
alpha-Chlorotoluene	110
1,2-Dichlorobenzene	107
1,2,4-Trichlorobenzene	128
Hexachlorobutadiene	134 Q

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	112	70-130

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CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager Jim Hayward
Collected by: (Print and Sign) Rob Peterson Robert Peterson
Company EA Engineering Email jhayward@eaest.com
Address 6712 Brooklawn Pkwy. City Syracuse State NY Zip 13211
Phone 315-431-4610 Fax 315-431-4280

Project Info:
P.O. # 1490716.0002
Project # 1490716.0002
Project Name National Heatset

Turn Around Time: ☒ Normal ☐ Rush ____ specify

Lab Use Only
Pressurized by: ____
Date: ____
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01A	System 1 - Influent	Tedlar	07/16/13	1008	TO-15	NA	NA		
02A	System 1 - Mid GAC	↓	↓	1012	TO-15	↓	↓		
03A	System 1 - Effluent	↓	↓	1010	TO-15	↓	↓		
04A	System 2 - Influent 1	↓	↓	0855	TO-15	↓	↓		
05A	System 2 - Influent 2	↓	↓	0900	TO-15	↓	↓		
06A	System 2 - Effluent	↓	↓	0905	TO-15	↓	↓		
07A	SVE - Effluent	↓	↓	1325	TO-15	↓	↓		

Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time	Notes:
Robert Peterson 07/16/13 @ 1600	Katie [illegible] ATL 07/17/13 0920	Shipped via FedEx (2 packages)
Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time	
Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time	

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	FedEx		NA	good	Yes No (None circled)	1307299

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8/2/2013
Mr. Jim Hayward
EA Engineering
6712 Brooklawn Parkway

Syracuse NY 13211

Project Name: National Heatset
Project #: 1490716.002
Workorder #: 1307348

Dear Mr. Jim Hayward

The following report includes the data for the above referenced project for sample(s) received on 7/19/2013 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Ausha Scott

Project Manager

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WORK ORDER #: 1307348

Work Order Summary

CLIENT:	Mr. Jim Hayward EA Engineering 6712 Brooklawn Parkway Syracuse, NY 13211	**BILL TO:**	Ms. Accounts Payable EA Engineering 3 Washington Center Newburgh, NY 12550
PHONE:	315-431-4610	**P.O. #**	1490716.002
FAX:	315-431-4280	**PROJECT #**	1490716.002 National Heatset
DATE RECEIVED:	07/19/2013	**CONTACT:**	Ausha Scott
DATE COMPLETED:	08/02/2013		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	B-502 Influent (VI-402B)	Modified TO-15	Tedlar Bag	Tedlar Bag
02A	B-502 Intermediate #1 (VI-403A)	Modified TO-15	Tedlar Bag	Tedlar Bag
03A(cancelled)	B-502 Intermediate #2 (VI-402A)	Modified TO-15	Tedlar Bag	Tedlar Bag
04A(cancelled)	B-502 Effluent (VI-502)	Modified TO-15	Tedlar Bag	Tedlar Bag
05A(cancelled)	B-501 Influent (VI-401B)	Modified TO-15	Tedlar Bag	Tedlar Bag
06A	B-501 Intermediate #1 (VI-403B)	Modified TO-15	Tedlar Bag	Tedlar Bag
07A	B-501 Intermediate #2 (VI-401A)	Modified TO-15	Tedlar Bag	Tedlar Bag
08A(cancelled)	B-501 Effluent (VI-501)	Modified TO-15	Tedlar Bag	Tedlar Bag
09A	System 1-Influent	Modified TO-15	Tedlar Bag	Tedlar Bag
10A	System 1-MidGAC	Modified TO-15	Tedlar Bag	Tedlar Bag
11A	System 2-Influent #2	Modified TO-15	Tedlar Bag	Tedlar Bag
12A	Lab Blank	Modified TO-15	NA	NA
13A	CCV	Modified TO-15	NA	NA
14A	LCS	Modified TO-15	NA	NA
14AA	LCSD	Modified TO-15	NA	NA

Note: These samples were also cancelled as per discussion between EA and Eurofins (jctt). Pages 5-6 and 9-16 have been removed from this report.

CERTIFIED BY: Heidi Hayes DATE: 08/02/13

Technical Director

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NY NELAP - 11291, TX NELAP - T104704434-12-4, UT NELAP CA009332012-3, WA NELAP - C935
Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2012, Expiration date: 10/17/2013.
Eurofins Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
EPA Method TO-15
EA Engineering
Workorder# 1307348

Eleven Client Tedlar Bag samples were received on July 19, 2013. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

The Tedlar bag for samples B-502 Intermediate #2 (VI-402A), B-502 Effluent (VI-502), B-501 Influent (VI-401B) and B-501 Effluent (VI-501) arrived flat. The client was notified that analysis was not possible.

Analytical Notes

Method TO-15 is validated for samples collected in specially treated canisters. As such, the use of Tedlar bags for sample collection is outside the scope of the method and not recommended for ambient or indoor air samples. It is the responsibility of the data user to determine the usability of TO-15 results generated from Tedlar bags.

Dilution was performed on samples B-502 Influent (VI-402B) and System 1-Influent due to the presence of high level target species.

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

The reported results for 4-Ethyltoluene in samples B-502 Intermediate #1 (VI-403A), B-501 Intermediate #1 (VI-403B), and B-501 Intermediate #2 (VI-401A) may be biased high due to co-elution with a non target compound with similar characteristic ions. Both the primary and secondary ions for 4-Ethyltoluene exhibited potential interference.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: System 1-Influent

Lab ID#: 1307348-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	5.0	100	13	250
Acetone	50	70	120	170
Methylene Chloride	50	120	170	400
Hexane	5.0	29	18	100
cis-1,2-Dichloroethene	5.0	110	20	420
Carbon Tetrachloride	5.0	7.0	31	44
Trichloroethene	5.0	29	27	160
Toluene	5.0	6.2	19	23
Tetrachloroethene	5.0	1500	34	10000

Client Sample ID: System 1-MidGAC

Lab ID#: 1307348-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	0.50	2.5	2.5
Vinyl Chloride	0.50	88	1.3	230
Ethanol	2.0	4.2	3.8	7.9
Acetone	5.0	41	12	97
2-Propanol	2.0	3.7	4.9	9.1
Carbon Disulfide	2.0	4.8	6.2	15
Methylene Chloride	5.0	110	17	370
trans-1,2-Dichloroethene	0.50	2.7	2.0	11
Hexane	0.50	32	1.8	110
cis-1,2-Dichloroethene	0.50	160	2.0	640
Chloroform	0.50	2.5	2.4	12
Carbon Tetrachloride	0.50	0.86	3.1	5.4
Trichloroethene	0.50	28	2.7	150
4-Methyl-2-pentanone	0.50	0.74	2.0	3.0
Toluene	0.50	1.5	1.9	5.8
Tetrachloroethene	0.50	54	3.4	360
Ethyl Benzene	0.50	0.72	2.2	3.2
m,p-Xylene	0.50	2.0	2.2	8.8
o-Xylene	0.50	1.1	2.2	4.9

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: System 2-Influent #2

Lab ID#: 1307348-11A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	0.58	2.5	2.8
Vinyl Chloride	0.50	11	1.3	27
Ethanol	2.0	2.6	3.8	4.9
Acetone	5.0	43	12	100
2-Propanol	2.0	2.3	4.9	5.7
Carbon Disulfide	2.0	4.5	6.2	14
Methylene Chloride	5.0	110	17	380
trans-1,2-Dichloroethene	0.50	0.75	2.0	3.0
Hexane	0.50	9.1	1.8	32
cis-1,2-Dichloroethene	0.50	45	2.0	180
Chloroform	0.50	1.9	2.4	9.1
Carbon Tetrachloride	0.50	0.58	3.1	3.6
Trichloroethene	0.50	4.8	2.7	26
4-Methyl-2-pentanone	0.50	1.2	2.0	4.9
Toluene	0.50	1.3	1.9	5.0
Tetrachloroethene	0.50	90	3.4	610
Ethyl Benzene	0.50	0.54	2.2	2.3
m,p-Xylene	0.50	1.7	2.2	7.4
o-Xylene	0.50	0.94	2.2	4.1

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Client Sample ID: System 1-Influent

Lab ID#: 1307348-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j072019**	**Date of Collection:**	**7/18/13 11:50:00 AM**
Dil. Factor:	**10.0**	**Date of Analysis:**	**7/20/13 07:59 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	5.0	Not Detected	25	Not Detected
Freon 114	5.0	Not Detected	35	Not Detected
Chloromethane	50	Not Detected	100	Not Detected
Vinyl Chloride	5.0	100	13	250
1,3-Butadiene	5.0	Not Detected	11	Not Detected
Bromomethane	50	Not Detected	190	Not Detected
Chloroethane	20	Not Detected	53	Not Detected
Freon 11	5.0	Not Detected	28	Not Detected
Ethanol	20	Not Detected	38	Not Detected
Freon 113	5.0	Not Detected	38	Not Detected
1,1-Dichloroethene	5.0	Not Detected	20	Not Detected
Acetone	50	70	120	170
2-Propanol	20	Not Detected	49	Not Detected
Carbon Disulfide	20	Not Detected	62	Not Detected
3-Chloropropene	20	Not Detected	63	Not Detected
Methylene Chloride	50	120	170	400
Methyl tert-butyl ether	5.0	Not Detected	18	Not Detected
trans-1,2-Dichloroethene	5.0	Not Detected	20	Not Detected
Hexane	5.0	29	18	100
1,1-Dichloroethane	5.0	Not Detected	20	Not Detected
2-Butanone (Methyl Ethyl Ketone)	20	Not Detected	59	Not Detected
cis-1,2-Dichloroethene	5.0	110	20	420
Tetrahydrofuran	5.0	Not Detected	15	Not Detected
Chloroform	5.0	Not Detected	24	Not Detected
1,1,1-Trichloroethane	5.0	Not Detected	27	Not Detected
Cyclohexane	5.0	Not Detected	17	Not Detected
Carbon Tetrachloride	5.0	7.0	31	44
2,2,4-Trimethylpentane	5.0	Not Detected	23	Not Detected
Benzene	5.0	Not Detected	16	Not Detected
1,2-Dichloroethane	5.0	Not Detected	20	Not Detected
Heptane	5.0	Not Detected	20	Not Detected
Trichloroethene	5.0	29	27	160
1,2-Dichloropropane	5.0	Not Detected	23	Not Detected
1,4-Dioxane	20	Not Detected	72	Not Detected
Bromodichloromethane	5.0	Not Detected	34	Not Detected
cis-1,3-Dichloropropene	5.0	Not Detected	23	Not Detected
4-Methyl-2-pentanone	5.0	Not Detected	20	Not Detected
Toluene	5.0	6.2	19	23
trans-1,3-Dichloropropene	5.0	Not Detected	23	Not Detected
1,1,2-Trichloroethane	5.0	Not Detected	27	Not Detected
Tetrachloroethene	5.0	1500	34	10000
2-Hexanone	20	Not Detected	82	Not Detected

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Client Sample ID: System 1-Influent

Lab ID#: 1307348-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j072019**	**Date of Collection:**	**7/18/13 11:50:00 AM**
Dil. Factor:	**10.0**	**Date of Analysis:**	**7/20/13 07:59 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	5.0	Not Detected	42	Not Detected
1,2-Dibromoethane (EDB)	5.0	Not Detected	38	Not Detected
Chlorobenzene	5.0	Not Detected	23	Not Detected
Ethyl Benzene	5.0	Not Detected	22	Not Detected
m,p-Xylene	5.0	Not Detected	22	Not Detected
o-Xylene	5.0	Not Detected	22	Not Detected
Styrene	5.0	Not Detected	21	Not Detected
Bromoform	5.0	Not Detected	52	Not Detected
Cumene	5.0	Not Detected	24	Not Detected
1,1,2,2-Tetrachloroethane	5.0	Not Detected	34	Not Detected
Propylbenzene	5.0	Not Detected	24	Not Detected
4-Ethyltoluene	5.0	Not Detected	24	Not Detected
1,3,5-Trimethylbenzene	5.0	Not Detected	24	Not Detected
1,2,4-Trimethylbenzene	5.0	Not Detected	24	Not Detected
1,3-Dichlorobenzene	5.0	Not Detected	30	Not Detected
1,4-Dichlorobenzene	5.0	Not Detected	30	Not Detected
alpha-Chlorotoluene	5.0	Not Detected	26	Not Detected
1,2-Dichlorobenzene	5.0	Not Detected	30	Not Detected
1,2,4-Trichlorobenzene	20	Not Detected	150	Not Detected
Hexachlorobutadiene	20	Not Detected	210	Not Detected

Container Type: Client Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	119	70-130

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Client Sample ID: System 1-MidGAC

Lab ID#: 1307348-10A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j072020**	**Date of Collection:**	**7/18/13 11:53:00 AM**
Dil. Factor:	**1.00**	**Date of Analysis:**	**7/20/13 08:46 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	0.50	2.5	2.5
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	88	1.3	230
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	4.2	3.8	7.9
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	5.0	41	12	97
2-Propanol	2.0	3.7	4.9	9.1
Carbon Disulfide	2.0	4.8	6.2	15
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	5.0	110	17	370
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	2.7	2.0	11
Hexane	0.50	32	1.8	110
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	5.9	Not Detected
cis-1,2-Dichloroethene	0.50	160	2.0	640
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	2.5	2.4	12
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	0.86	3.1	5.4
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	28	2.7	150
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	0.74	2.0	3.0
Toluene	0.50	1.5	1.9	5.8
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	54	3.4	360
2-Hexanone	2.0	Not Detected	8.2	Not Detected

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Client Sample ID: System 1-MidGAC

Lab ID#: 1307348-10A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j072020**	**Date of Collection:**	**7/18/13 11:53:00 AM**
Dil. Factor:	**1.00**	**Date of Analysis:**	**7/20/13 08:46 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	0.72	2.2	3.2
m,p-Xylene	0.50	2.0	2.2	8.8
o-Xylene	0.50	1.1	2.2	4.9
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

Container Type: Client Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	117	70-130

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Client Sample ID: System 2-Influent #2

Lab ID#: 1307348-11A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j072021**	**Date of Collection:**	**7/18/13 11:55:00 AM**
Dil. Factor:	**1.00**	**Date of Analysis:**	**7/20/13 09:15 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	0.58	2.5	2.8
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	11	1.3	27
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	2.6	3.8	4.9
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	5.0	43	12	100
2-Propanol	2.0	2.3	4.9	5.7
Carbon Disulfide	2.0	4.5	6.2	14
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	5.0	110	17	380
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	0.75	2.0	3.0
Hexane	0.50	9.1	1.8	32
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	5.9	Not Detected
cis-1,2-Dichloroethene	0.50	45	2.0	180
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	1.9	2.4	9.1
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	0.58	3.1	3.6
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	4.8	2.7	26
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	1.2	2.0	4.9
Toluene	0.50	1.3	1.9	5.0
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	90	3.4	610
2-Hexanone	2.0	Not Detected	8.2	Not Detected

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Client Sample ID: System 2-Influent #2

Lab ID#: 1307348-11A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j072021**	**Date of Collection:**	**7/18/13 11:55:00 AM**
Dil. Factor:	**1.00**	**Date of Analysis:**	**7/20/13 09:15 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	0.54	2.2	2.3
m,p-Xylene	0.50	1.7	2.2	7.4
o-Xylene	0.50	0.94	2.2	4.1
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

Container Type: Client Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	118	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1307348-12A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j072005**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/20/13 10:10 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	5.0	Not Detected	12	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	2.0	Not Detected	6.2	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	5.9	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected

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Client Sample ID: Lab Blank

Lab ID#: 1307348-12A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j072005**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/20/13 10:10 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	107	70-130

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Client Sample ID: CCV

Lab ID#: 1307348-13A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j072002**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/20/13 08:26 AM**	

Compound	%Recovery
Freon 12	108
Freon 114	114
Chloromethane	91
Vinyl Chloride	93
1,3-Butadiene	88
Bromomethane	109
Chloroethane	97
Freon 11	113
Ethanol	82
Freon 113	113
1,1-Dichloroethene	104
Acetone	102
2-Propanol	96
Carbon Disulfide	94
3-Chloropropene	92
Methylene Chloride	85
Methyl tert-butyl ether	118
trans-1,2-Dichloroethene	94
Hexane	92
1,1-Dichloroethane	95
2-Butanone (Methyl Ethyl Ketone)	90
cis-1,2-Dichloroethene	88
Tetrahydrofuran	82
Chloroform	103
1,1,1-Trichloroethane	113
Cyclohexane	87
Carbon Tetrachloride	113
2,2,4-Trimethylpentane	85
Benzene	87
1,2-Dichloroethane	107
Heptane	90
Trichloroethene	96
1,2-Dichloropropane	84
1,4-Dioxane	95
Bromodichloromethane	104
cis-1,3-Dichloropropene	90
4-Methyl-2-pentanone	91
Toluene	89
trans-1,3-Dichloropropene	105
1,1,2-Trichloroethane	91
Tetrachloroethene	99
2-Hexanone	91

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Client Sample ID: CCV

Lab ID#: 1307348-13A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j072002**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/20/13 08:26 AM**	

Compound	%Recovery
Dibromochloromethane	113
1,2-Dibromoethane (EDB)	99
Chlorobenzene	85
Ethyl Benzene	93
m,p-Xylene	99
o-Xylene	98
Styrene	99
Bromoform	113
Cumene	105
1,1,2,2-Tetrachloroethane	84
Propylbenzene	97
4-Ethyltoluene	110
1,3,5-Trimethylbenzene	98
1,2,4-Trimethylbenzene	104
1,3-Dichlorobenzene	104
1,4-Dichlorobenzene	106
alpha-Chlorotoluene	119
1,2-Dichlorobenzene	106
1,2,4-Trichlorobenzene	117
Hexachlorobutadiene	135 Q

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130
1,2-Dichloroethane-d4	109	70-130
4-Bromofluorobenzene	113	70-130

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Client Sample ID: LCS

Lab ID#: 1307348-14A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j072003**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/20/13 09:05 AM**	

Compound	%Recovery
Freon 12	110
Freon 114	115
Chloromethane	88
Vinyl Chloride	97
1,3-Butadiene	90
Bromomethane	104
Chloroethane	94
Freon 11	114
Ethanol	68 Q
Freon 113	113
1,1-Dichloroethene	105
Acetone	90
2-Propanol	95
Carbon Disulfide	115
3-Chloropropene	100
Methylene Chloride	81
Methyl tert-butyl ether	119
trans-1,2-Dichloroethene	107
Hexane	90
1,1-Dichloroethane	94
2-Butanone (Methyl Ethyl Ketone)	84
cis-1,2-Dichloroethene	89
Tetrahydrofuran	76
Chloroform	102
1,1,1-Trichloroethane	114
Cyclohexane	86
Carbon Tetrachloride	114
2,2,4-Trimethylpentane	81
Benzene	87
1,2-Dichloroethane	108
Heptane	83
Trichloroethene	125
1,2-Dichloropropane	82
1,4-Dioxane	90
Bromodichloromethane	105
cis-1,3-Dichloropropene	92
4-Methyl-2-pentanone	88
Toluene	87
trans-1,3-Dichloropropene	105
1,1,2-Trichloroethane	90
Tetrachloroethene	96
2-Hexanone	91

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Client Sample ID: LCS

Lab ID#: 1307348-14A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j072003**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/20/13 09:05 AM**	

Compound	%Recovery
Dibromochloromethane	108
1,2-Dibromoethane (EDB)	98
Chlorobenzene	84
Ethyl Benzene	90
m,p-Xylene	97
o-Xylene	98
Styrene	101
Bromoform	111
Cumene	103
1,1,2,2-Tetrachloroethane	61 Q
Propylbenzene	97
4-Ethyltoluene	97
1,3,5-Trimethylbenzene	103
1,2,4-Trimethylbenzene	103
1,3-Dichlorobenzene	105
1,4-Dichlorobenzene	107
alpha-Chlorotoluene	111
1,2-Dichlorobenzene	98
1,2,4-Trichlorobenzene	112
Hexachlorobutadiene	123

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	109	70-130
4-Bromofluorobenzene	115	70-130

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Client Sample ID: LCSD

Lab ID#: 1307348-14AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j072004**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/20/13 09:24 AM**	

Compound	%Recovery
Freon 12	109
Freon 114	115
Chloromethane	83
Vinyl Chloride	94
1,3-Butadiene	86
Bromomethane	100
Chloroethane	93
Freon 11	113
Ethanol	69 Q
Freon 113	112
1,1-Dichloroethene	106
Acetone	90
2-Propanol	94
Carbon Disulfide	114
3-Chloropropene	105
Methylene Chloride	82
Methyl tert-butyl ether	120
trans-1,2-Dichloroethene	103
Hexane	88
1,1-Dichloroethane	94
2-Butanone (Methyl Ethyl Ketone)	84
cis-1,2-Dichloroethene	88
Tetrahydrofuran	77
Chloroform	102
1,1,1-Trichloroethane	112
Cyclohexane	85
Carbon Tetrachloride	115
2,2,4-Trimethylpentane	82
Benzene	86
1,2-Dichloroethane	107
Heptane	85
Trichloroethene	125
1,2-Dichloropropane	83
1,4-Dioxane	89
Bromodichloromethane	104
cis-1,3-Dichloropropene	88
4-Methyl-2-pentanone	88
Toluene	86
trans-1,3-Dichloropropene	101
1,1,2-Trichloroethane	90
Tetrachloroethene	96
2-Hexanone	89

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Client Sample ID: LCSD

Lab ID#: 1307348-14AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j072004**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/20/13 09:24 AM**	

Compound	%Recovery
Dibromochloromethane	107
1,2-Dibromoethane (EDB)	95
Chlorobenzene	82
Ethyl Benzene	89
m,p-Xylene	97
o-Xylene	95
Styrene	97
Bromoform	106
Cumene	102
1,1,2,2-Tetrachloroethane	60 Q
Propylbenzene	97
4-Ethyltoluene	96
1,3,5-Trimethylbenzene	104
1,2,4-Trimethylbenzene	98
1,3-Dichlorobenzene	102
1,4-Dichlorobenzene	106
alpha-Chlorotoluene	108
1,2-Dichlorobenzene	107
1,2,4-Trichlorobenzene	131 Q
Hexachlorobutadiene	140 Q

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130
1,2-Dichloroethane-d4	108	70-130
4-Bromofluorobenzene	109	70-130

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CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager Jim Hayward

Collected by: (Print and Sign) Rob Peterson Robert Peterson

Company EA Engineering Email rpeterson@eaest.com

Address 6712 Brooklawn Pkwy City Syracuse State NY Zip 13211

Phone 315-431-4610 Fax 315-431-4280

Project Info:
P.O. # 1490716.0002
Project # 1490716.0002
Project Name National Headset

Turn Around Time:
☒ Normal
☐ Rush
specify

Lab Use Only
Pressurized by:
Date:
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01A	B-502 Influent (VI-402B)	Tedlar	07/18/13	1100	TO-15	NA	NA		
02A	B-502 Intermediate #1 (VI-403A)			1115	TO-15				
03A	B-502 Intermediate #2 (VI-402A)			1110	TO-15				
04A	B-502 Effluent (VI-502)			1105	TO-15				
05A	B-501 Influent (VI-401B)			1130	TO-15				
06A	B-501 Intermediate #1 (VI-403B)			1120	TO-15				
07A	B-501 Intermediate #2 (VI-401A)			1125	TO-15				
08A	B-501 Effluent (VI-501)			1135	TO-15				
09A	System 1 - Influent			1150	TO-15				
10A	System 1 - MidGAC			1153	TO-15				

Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time
Rob Peterson 07/18/13 1245	B Wuttke ATL 7/19/13 0740
Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time
Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time

Notes:

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	Feder	8748 5319 5220	N/A	Good	Yes No None	1307348

Form 1293 rev.11

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CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager Jim Hayward
Collected by: (Print and Sign) Rob Peterson Rob Peterson
Company EA Engineering Email rpeterson@eaest.com
Address 6712 Brooklawn Pkwy City Syracuse State NY Zip 13211
Phone 315-431-4610 Fax 315-431-4280

Project Info:
P.O. # 1490716.0002
Project # 1490716.0002
Project Name National Heatset

Turn Around Time:
☒ Normal
☐ Rush
specify

Lab Use Only
Pressurized by: ____
Date: ____
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
11A	System 2 - Influent #2	Tedlar	07/18/13	1155	TO-15	NA	NA		

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Rob Peterson	07/18/13 1245	[illegible] ATL	7/19/13 0740
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

Notes:

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	Fedex		N/A	Good	Yes No (None)	1307348

Form 1293 rev.11

B-2: Off-site DDC

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8/12/2013
Mr. Jim Hayward
EA Engineering
6712 Brooklawn Parkway

Syracuse NY 13211

Project Name: National Heatset - offsite
Project #:
Workorder #: 1307530

Dear Mr. Jim Hayward

The following report includes the data for the above referenced project for sample(s) received on 7/27/2013 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Ausha Scott

Project Manager

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WORK ORDER #: 1307530

Work Order Summary

CLIENT:	Mr. Jim Hayward EA Engineering 6712 Brooklawn Parkway Syracuse, NY 13211	**BILL TO:**	Ms. Accounts Payable EA Engineering 3 Washington Center Newburgh, NY 12550
PHONE:	315-431-4610	**P.O. #**	10991-2.00
FAX:	315-431-4280	**PROJECT #**	National Heatset - offsite
DATE RECEIVED:	07/27/2013	**CONTACT:**	Ausha Scott
DATE COMPLETED:	08/12/2013		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	B-502 Influent (VI-402B)	Modified TO-15	5.0 "Hg	15 psi
02A	B-502 Intermediate #2 (VI-402A)	Modified TO-15	2.5 "Hg	15 psi
03A	B-502 Intermediate #1 (VI-403A)	Modified TO-15	4.0 "Hg	15 psi
04A	B-502 Effluent (VI-502)	Modified TO-15	3.5 "Hg	15 psi
05A	B-501 Influent (VI-401B)	Modified TO-15	5.5 "Hg	15 psi
06A	B-501 Intermediate #2 (VI-401A)	Modified TO-15	2.5 "Hg	15 psi
07A	B-501 Intermediate #1 (VI-403B)	Modified TO-15	2.0 "Hg	15 psi
08A	B-501 Effluent (VI-501)	Modified TO-15	5.0 "Hg	15 psi
09A	Lab Blank	Modified TO-15	NA	NA
10A	CCV	Modified TO-15	NA	NA
11A	LCS	Modified TO-15	NA	NA
11AA	LCSD	Modified TO-15	NA	NA

CERTIFIED BY: Heidi Mayo DATE: 08/12/13

Technical Director

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-12-5, UT NELAP CA009332012-3, VA NELAP - 460197, WA NELAP - C935
Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2012, Expiration date: 10/17/2013.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

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LABORATORY NARRATIVE
EPA Method TO-15
EA Engineering
Workorder# 1307530

Six 1 Liter Summa Canister and two 1.4 Liter Canister samples were received on July 27, 2013. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: B-502 Influent (VI-402B)

Lab ID#: 1307530-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	12	14	29	33
Toluene	1.2	1.2	4.6	4.7

Client Sample ID: B-502 Intermediate #2 (VI-402A)

Lab ID#: 1307530-02A

No Detections Were Found.

Client Sample ID: B-502 Intermediate #1 (VI-403A)

Lab ID#: 1307530-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Hexane	1.2	2.0	4.1	6.9

Client Sample ID: B-502 Effluent (VI-502)

Lab ID#: 1307530-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	11	16	27	38
Hexane	1.1	10	4.0	36

Client Sample ID: B-501 Influent (VI-401B)

Lab ID#: 1307530-05A

No Detections Were Found.

Client Sample ID: B-501 Intermediate #2 (VI-401A)

Lab ID#: 1307530-06A

No Detections Were Found.

Client Sample ID: B-501 Intermediate #1 (VI-403B)

Lab ID#: 1307530-07A

No Detections Were Found.

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: B-501 Effluent (VI-501)

Lab ID#: 1307530-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	12	21	29	50

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Client Sample ID: B-502 Influent (VI-402B)

Lab ID#: 1307530-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j080622**	**Date of Collection: 7/26/13 12:15:00 PM**	
Dil. Factor:	**2.42**	**Date of Analysis: 8/6/13 09:32 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.2	Not Detected	6.0	Not Detected
Freon 114	1.2	Not Detected	8.4	Not Detected
Chloromethane	12	Not Detected	25	Not Detected
Vinyl Chloride	1.2	Not Detected	3.1	Not Detected
1,3-Butadiene	1.2	Not Detected	2.7	Not Detected
Bromomethane	12	Not Detected	47	Not Detected
Chloroethane	4.8	Not Detected	13	Not Detected
Freon 11	1.2	Not Detected	6.8	Not Detected
Ethanol	4.8	Not Detected	9.1	Not Detected
Freon 113	1.2	Not Detected	9.3	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Acetone	12	14	29	33
2-Propanol	4.8	Not Detected	12	Not Detected
Carbon Disulfide	4.8	Not Detected	15	Not Detected
3-Chloropropene	4.8	Not Detected	15	Not Detected
Methylene Chloride	12	Not Detected	42	Not Detected
Methyl tert-butyl ether	1.2	Not Detected	4.4	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Hexane	1.2	Not Detected	4.3	Not Detected
1,1-Dichloroethane	1.2	Not Detected	4.9	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.8	Not Detected	14	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.6	Not Detected
Chloroform	1.2	Not Detected	5.9	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.6	Not Detected
Cyclohexane	1.2	Not Detected	4.2	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.6	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.6	Not Detected
Benzene	1.2	Not Detected	3.9	Not Detected
1,2-Dichloroethane	1.2	Not Detected	4.9	Not Detected
Heptane	1.2	Not Detected	5.0	Not Detected
Trichloroethene	1.2	Not Detected	6.5	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.6	Not Detected
1,4-Dioxane	4.8	Not Detected	17	Not Detected
Bromodichloromethane	1.2	Not Detected	8.1	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.5	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	5.0	Not Detected
Toluene	1.2	1.2	4.6	4.7
trans-1,3-Dichloropropene	1.2	Not Detected	5.5	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.6	Not Detected
Tetrachloroethene	1.2	Not Detected	8.2	Not Detected
2-Hexanone	4.8	Not Detected	20	Not Detected

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Client Sample ID: B-502 Influent (VI-402B)

Lab ID#: 1307530-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j080622**	**Date of Collection:**	**7/26/13 12:15:00 PM**
Dil. Factor:	**2.42**	**Date of Analysis:**	**8/6/13 09:32 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.2	Not Detected	10	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.3	Not Detected
Chlorobenzene	1.2	Not Detected	5.6	Not Detected
Ethyl Benzene	1.2	Not Detected	5.2	Not Detected
m,p-Xylene	1.2	Not Detected	5.2	Not Detected
o-Xylene	1.2	Not Detected	5.2	Not Detected
Styrene	1.2	Not Detected	5.2	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
Cumene	1.2	Not Detected	5.9	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.3	Not Detected
Propylbenzene	1.2	Not Detected	5.9	Not Detected
4-Ethyltoluene	1.2	Not Detected	5.9	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.9	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.9	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.3	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
1,2,4-Trichlorobenzene	4.8	Not Detected	36	Not Detected
Hexachlorobutadiene	4.8	Not Detected	52	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	93	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: B-502 Intermediate #2 (VI-402A)

Lab ID#: 1307530-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j080623**	**Date of Collection: 7/26/13 12:23:00 PM**	
Dil. Factor:	**2.20**	**Date of Analysis: 8/6/13 09:56 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.1	Not Detected	5.4	Not Detected
Freon 114	1.1	Not Detected	7.7	Not Detected
Chloromethane	11	Not Detected	23	Not Detected
Vinyl Chloride	1.1	Not Detected	2.8	Not Detected
1,3-Butadiene	1.1	Not Detected	2.4	Not Detected
Bromomethane	11	Not Detected	43	Not Detected
Chloroethane	4.4	Not Detected	12	Not Detected
Freon 11	1.1	Not Detected	6.2	Not Detected
Ethanol	4.4	Not Detected	8.3	Not Detected
Freon 113	1.1	Not Detected	8.4	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Acetone	11	Not Detected	26	Not Detected
2-Propanol	4.4	Not Detected	11	Not Detected
Carbon Disulfide	4.4	Not Detected	14	Not Detected
3-Chloropropene	4.4	Not Detected	14	Not Detected
Methylene Chloride	11	Not Detected	38	Not Detected
Methyl tert-butyl ether	1.1	Not Detected	4.0	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Hexane	1.1	Not Detected	3.9	Not Detected
1,1-Dichloroethane	1.1	Not Detected	4.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.4	Not Detected	13	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Tetrahydrofuran	1.1	Not Detected	3.2	Not Detected
Chloroform	1.1	Not Detected	5.4	Not Detected
1,1,1-Trichloroethane	1.1	Not Detected	6.0	Not Detected
Cyclohexane	1.1	Not Detected	3.8	Not Detected
Carbon Tetrachloride	1.1	Not Detected	6.9	Not Detected
2,2,4-Trimethylpentane	1.1	Not Detected	5.1	Not Detected
Benzene	1.1	Not Detected	3.5	Not Detected
1,2-Dichloroethane	1.1	Not Detected	4.4	Not Detected
Heptane	1.1	Not Detected	4.5	Not Detected
Trichloroethene	1.1	Not Detected	5.9	Not Detected
1,2-Dichloropropane	1.1	Not Detected	5.1	Not Detected
1,4-Dioxane	4.4	Not Detected	16	Not Detected
Bromodichloromethane	1.1	Not Detected	7.4	Not Detected
cis-1,3-Dichloropropene	1.1	Not Detected	5.0	Not Detected
4-Methyl-2-pentanone	1.1	Not Detected	4.5	Not Detected
Toluene	1.1	Not Detected	4.1	Not Detected
trans-1,3-Dichloropropene	1.1	Not Detected	5.0	Not Detected
1,1,2-Trichloroethane	1.1	Not Detected	6.0	Not Detected
Tetrachloroethene	1.1	Not Detected	7.5	Not Detected
2-Hexanone	4.4	Not Detected	18	Not Detected

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Client Sample ID: B-502 Intermediate #2 (VI-402A)

Lab ID#: 1307530-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j080623**	**Date of Collection:**	**7/26/13 12:23:00 PM**
Dil. Factor:	**2.20**	**Date of Analysis:**	**8/6/13 09:56 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.1	Not Detected	9.4	Not Detected
1,2-Dibromoethane (EDB)	1.1	Not Detected	8.4	Not Detected
Chlorobenzene	1.1	Not Detected	5.1	Not Detected
Ethyl Benzene	1.1	Not Detected	4.8	Not Detected
m,p-Xylene	1.1	Not Detected	4.8	Not Detected
o-Xylene	1.1	Not Detected	4.8	Not Detected
Styrene	1.1	Not Detected	4.7	Not Detected
Bromoform	1.1	Not Detected	11	Not Detected
Cumene	1.1	Not Detected	5.4	Not Detected
1,1,2,2-Tetrachloroethane	1.1	Not Detected	7.6	Not Detected
Propylbenzene	1.1	Not Detected	5.4	Not Detected
4-Ethyltoluene	1.1	Not Detected	5.4	Not Detected
1,3,5-Trimethylbenzene	1.1	Not Detected	5.4	Not Detected
1,2,4-Trimethylbenzene	1.1	Not Detected	5.4	Not Detected
1,3-Dichlorobenzene	1.1	Not Detected	6.6	Not Detected
1,4-Dichlorobenzene	1.1	Not Detected	6.6	Not Detected
alpha-Chlorotoluene	1.1	Not Detected	5.7	Not Detected
1,2-Dichlorobenzene	1.1	Not Detected	6.6	Not Detected
1,2,4-Trichlorobenzene	4.4	Not Detected	33	Not Detected
Hexachlorobutadiene	4.4	Not Detected	47	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130
1,2-Dichloroethane-d4	90	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: B-502 Intermediate #1 (VI-403A)

Lab ID#: 1307530-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j080624**	**Date of Collection: 7/26/13 12:30:00 PM**	
Dil. Factor:	**2.33**	**Date of Analysis: 8/6/13 10:33 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.2	Not Detected	5.8	Not Detected
Freon 114	1.2	Not Detected	8.1	Not Detected
Chloromethane	12	Not Detected	24	Not Detected
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
1,3-Butadiene	1.2	Not Detected	2.6	Not Detected
Bromomethane	12	Not Detected	45	Not Detected
Chloroethane	4.7	Not Detected	12	Not Detected
Freon 11	1.2	Not Detected	6.5	Not Detected
Ethanol	4.7	Not Detected	8.8	Not Detected
Freon 113	1.2	Not Detected	8.9	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Acetone	12	Not Detected	28	Not Detected
2-Propanol	4.7	Not Detected	11	Not Detected
Carbon Disulfide	4.7	Not Detected	14	Not Detected
3-Chloropropene	4.7	Not Detected	14	Not Detected
Methylene Chloride	12	Not Detected	40	Not Detected
Methyl tert-butyl ether	1.2	Not Detected	4.2	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Hexane	1.2	2.0	4.1	6.9
1,1-Dichloroethane	1.2	Not Detected	4.7	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.7	Not Detected	14	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.4	Not Detected
Chloroform	1.2	Not Detected	5.7	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.4	Not Detected
Cyclohexane	1.2	Not Detected	4.0	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.3	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.4	Not Detected
Benzene	1.2	Not Detected	3.7	Not Detected
1,2-Dichloroethane	1.2	Not Detected	4.7	Not Detected
Heptane	1.2	Not Detected	4.8	Not Detected
Trichloroethene	1.2	Not Detected	6.3	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.4	Not Detected
1,4-Dioxane	4.7	Not Detected	17	Not Detected
Bromodichloromethane	1.2	Not Detected	7.8	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.3	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	4.8	Not Detected
Toluene	1.2	Not Detected	4.4	Not Detected
trans-1,3-Dichloropropene	1.2	Not Detected	5.3	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.4	Not Detected
Tetrachloroethene	1.2	Not Detected	7.9	Not Detected
2-Hexanone	4.7	Not Detected	19	Not Detected

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Client Sample ID: B-502 Intermediate #1 (VI-403A)

Lab ID#: 1307530-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j080624**	**Date of Collection:**	**7/26/13 12:30:00 PM**
Dil. Factor:	**2.33**	**Date of Analysis:**	**8/6/13 10:33 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.2	Not Detected	9.9	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.0	Not Detected
Chlorobenzene	1.2	Not Detected	5.4	Not Detected
Ethyl Benzene	1.2	Not Detected	5.0	Not Detected
m,p-Xylene	1.2	Not Detected	5.0	Not Detected
o-Xylene	1.2	Not Detected	5.0	Not Detected
Styrene	1.2	Not Detected	5.0	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
Cumene	1.2	Not Detected	5.7	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.0	Not Detected
Propylbenzene	1.2	Not Detected	5.7	Not Detected
4-Ethyltoluene	1.2	Not Detected	5.7	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.7	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.7	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.0	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.0	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.0	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.0	Not Detected
1,2,4-Trichlorobenzene	4.7	Not Detected	34	Not Detected
Hexachlorobutadiene	4.7	Not Detected	50	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	85	70-130
4-Bromofluorobenzene	106	70-130

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Client Sample ID: B-502 Effluent (VI-502)

Lab ID#: 1307530-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j080625**	**Date of Collection: 7/26/13 12:41:00 PM**	
Dil. Factor:	**2.29**	**Date of Analysis: 8/6/13 11:04 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.1	Not Detected	5.7	Not Detected
Freon 114	1.1	Not Detected	8.0	Not Detected
Chloromethane	11	Not Detected	24	Not Detected
Vinyl Chloride	1.1	Not Detected	2.9	Not Detected
1,3-Butadiene	1.1	Not Detected	2.5	Not Detected
Bromomethane	11	Not Detected	44	Not Detected
Chloroethane	4.6	Not Detected	12	Not Detected
Freon 11	1.1	Not Detected	6.4	Not Detected
Ethanol	4.6	Not Detected	8.6	Not Detected
Freon 113	1.1	Not Detected	8.8	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.5	Not Detected
Acetone	11	16	27	38
2-Propanol	4.6	Not Detected	11	Not Detected
Carbon Disulfide	4.6	Not Detected	14	Not Detected
3-Chloropropene	4.6	Not Detected	14	Not Detected
Methylene Chloride	11	Not Detected	40	Not Detected
Methyl tert-butyl ether	1.1	Not Detected	4.1	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.5	Not Detected
Hexane	1.1	10	4.0	36
1,1-Dichloroethane	1.1	Not Detected	4.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.6	Not Detected	14	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	4.5	Not Detected
Tetrahydrofuran	1.1	Not Detected	3.4	Not Detected
Chloroform	1.1	Not Detected	5.6	Not Detected
1,1,1-Trichloroethane	1.1	Not Detected	6.2	Not Detected
Cyclohexane	1.1	Not Detected	3.9	Not Detected
Carbon Tetrachloride	1.1	Not Detected	7.2	Not Detected
2,2,4-Trimethylpentane	1.1	Not Detected	5.3	Not Detected
Benzene	1.1	Not Detected	3.6	Not Detected
1,2-Dichloroethane	1.1	Not Detected	4.6	Not Detected
Heptane	1.1	Not Detected	4.7	Not Detected
Trichloroethene	1.1	Not Detected	6.2	Not Detected
1,2-Dichloropropane	1.1	Not Detected	5.3	Not Detected
1,4-Dioxane	4.6	Not Detected	16	Not Detected
Bromodichloromethane	1.1	Not Detected	7.7	Not Detected
cis-1,3-Dichloropropene	1.1	Not Detected	5.2	Not Detected
4-Methyl-2-pentanone	1.1	Not Detected	4.7	Not Detected
Toluene	1.1	Not Detected	4.3	Not Detected
trans-1,3-Dichloropropene	1.1	Not Detected	5.2	Not Detected
1,1,2-Trichloroethane	1.1	Not Detected	6.2	Not Detected
Tetrachloroethene	1.1	Not Detected	7.8	Not Detected
2-Hexanone	4.6	Not Detected	19	Not Detected

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Client Sample ID: B-502 Effluent (VI-502)

Lab ID#: 1307530-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j080625**	**Date of Collection: 7/26/13 12:41:00 PM**	
Dil. Factor:	**2.29**	**Date of Analysis: 8/6/13 11:04 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.1	Not Detected	9.8	Not Detected
1,2-Dibromoethane (EDB)	1.1	Not Detected	8.8	Not Detected
Chlorobenzene	1.1	Not Detected	5.3	Not Detected
Ethyl Benzene	1.1	Not Detected	5.0	Not Detected
m,p-Xylene	1.1	Not Detected	5.0	Not Detected
o-Xylene	1.1	Not Detected	5.0	Not Detected
Styrene	1.1	Not Detected	4.9	Not Detected
Bromoform	1.1	Not Detected	12	Not Detected
Cumene	1.1	Not Detected	5.6	Not Detected
1,1,2,2-Tetrachloroethane	1.1	Not Detected	7.9	Not Detected
Propylbenzene	1.1	Not Detected	5.6	Not Detected
4-Ethyltoluene	1.1	Not Detected	5.6	Not Detected
1,3,5-Trimethylbenzene	1.1	Not Detected	5.6	Not Detected
1,2,4-Trimethylbenzene	1.1	Not Detected	5.6	Not Detected
1,3-Dichlorobenzene	1.1	Not Detected	6.9	Not Detected
1,4-Dichlorobenzene	1.1	Not Detected	6.9	Not Detected
alpha-Chlorotoluene	1.1	Not Detected	5.9	Not Detected
1,2-Dichlorobenzene	1.1	Not Detected	6.9	Not Detected
1,2,4-Trichlorobenzene	4.6	Not Detected	34	Not Detected
Hexachlorobutadiene	4.6	Not Detected	49	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	93	70-130
4-Bromofluorobenzene	108	70-130

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Client Sample ID: B-501 Influent (VI-401B)

Lab ID#: 1307530-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j080626**	**Date of Collection: 7/26/13 12:53:00 PM**	
Dil. Factor:	**2.47**	**Date of Analysis: 8/7/13 07:36 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.2	Not Detected	6.1	Not Detected
Freon 114	1.2	Not Detected	8.6	Not Detected
Chloromethane	12	Not Detected	26	Not Detected
Vinyl Chloride	1.2	Not Detected	3.2	Not Detected
1,3-Butadiene	1.2	Not Detected	2.7	Not Detected
Bromomethane	12	Not Detected	48	Not Detected
Chloroethane	4.9	Not Detected	13	Not Detected
Freon 11	1.2	Not Detected	6.9	Not Detected
Ethanol	4.9	Not Detected	9.3	Not Detected
Freon 113	1.2	Not Detected	9.5	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.9	Not Detected
Acetone	12	Not Detected	29	Not Detected
2-Propanol	4.9	Not Detected	12	Not Detected
Carbon Disulfide	4.9	Not Detected	15	Not Detected
3-Chloropropene	4.9	Not Detected	15	Not Detected
Methylene Chloride	12	Not Detected	43	Not Detected
Methyl tert-butyl ether	1.2	Not Detected	4.4	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.9	Not Detected
Hexane	1.2	Not Detected	4.4	Not Detected
1,1-Dichloroethane	1.2	Not Detected	5.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.9	Not Detected	14	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.9	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.6	Not Detected
Chloroform	1.2	Not Detected	6.0	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.7	Not Detected
Cyclohexane	1.2	Not Detected	4.2	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.8	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.8	Not Detected
Benzene	1.2	Not Detected	3.9	Not Detected
1,2-Dichloroethane	1.2	Not Detected	5.0	Not Detected
Heptane	1.2	Not Detected	5.1	Not Detected
Trichloroethene	1.2	Not Detected	6.6	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.7	Not Detected
1,4-Dioxane	4.9	Not Detected	18	Not Detected
Bromodichloromethane	1.2	Not Detected	8.3	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.6	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	5.0	Not Detected
Toluene	1.2	Not Detected	4.6	Not Detected
trans-1,3-Dichloropropene	1.2	Not Detected	5.6	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.7	Not Detected
Tetrachloroethene	1.2	Not Detected	8.4	Not Detected
2-Hexanone	4.9	Not Detected	20	Not Detected

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Client Sample ID: B-501 Influent (VI-401B)

Lab ID#: 1307530-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j080626**	**Date of Collection: 7/26/13 12:53:00 PM**	
Dil. Factor:	**2.47**	**Date of Analysis: 8/7/13 07:36 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.2	Not Detected	10	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.5	Not Detected
Chlorobenzene	1.2	Not Detected	5.7	Not Detected
Ethyl Benzene	1.2	Not Detected	5.4	Not Detected
m,p-Xylene	1.2	Not Detected	5.4	Not Detected
o-Xylene	1.2	Not Detected	5.4	Not Detected
Styrene	1.2	Not Detected	5.3	Not Detected
Bromoform	1.2	Not Detected	13	Not Detected
Cumene	1.2	Not Detected	6.1	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.5	Not Detected
Propylbenzene	1.2	Not Detected	6.1	Not Detected
4-Ethyltoluene	1.2	Not Detected	6.1	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	6.1	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	6.1	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.4	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.4	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.4	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.4	Not Detected
1,2,4-Trichlorobenzene	4.9	Not Detected	37	Not Detected
Hexachlorobutadiene	4.9	Not Detected	53	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	87	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: B-501 Intermediate #2 (VI-401A)

Lab ID#: 1307530-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j080627**	**Date of Collection:**	**7/26/13 1:05:00 PM**
Dil. Factor:	**2.20**	**Date of Analysis:**	**8/7/13 08:06 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.1	Not Detected	5.4	Not Detected
Freon 114	1.1	Not Detected	7.7	Not Detected
Chloromethane	11	Not Detected	23	Not Detected
Vinyl Chloride	1.1	Not Detected	2.8	Not Detected
1,3-Butadiene	1.1	Not Detected	2.4	Not Detected
Bromomethane	11	Not Detected	43	Not Detected
Chloroethane	4.4	Not Detected	12	Not Detected
Freon 11	1.1	Not Detected	6.2	Not Detected
Ethanol	4.4	Not Detected	8.3	Not Detected
Freon 113	1.1	Not Detected	8.4	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Acetone	11	Not Detected	26	Not Detected
2-Propanol	4.4	Not Detected	11	Not Detected
Carbon Disulfide	4.4	Not Detected	14	Not Detected
3-Chloropropene	4.4	Not Detected	14	Not Detected
Methylene Chloride	11	Not Detected	38	Not Detected
Methyl tert-butyl ether	1.1	Not Detected	4.0	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Hexane	1.1	Not Detected	3.9	Not Detected
1,1-Dichloroethane	1.1	Not Detected	4.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.4	Not Detected	13	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Tetrahydrofuran	1.1	Not Detected	3.2	Not Detected
Chloroform	1.1	Not Detected	5.4	Not Detected
1,1,1-Trichloroethane	1.1	Not Detected	6.0	Not Detected
Cyclohexane	1.1	Not Detected	3.8	Not Detected
Carbon Tetrachloride	1.1	Not Detected	6.9	Not Detected
2,2,4-Trimethylpentane	1.1	Not Detected	5.1	Not Detected
Benzene	1.1	Not Detected	3.5	Not Detected
1,2-Dichloroethane	1.1	Not Detected	4.4	Not Detected
Heptane	1.1	Not Detected	4.5	Not Detected
Trichloroethene	1.1	Not Detected	5.9	Not Detected
1,2-Dichloropropane	1.1	Not Detected	5.1	Not Detected
1,4-Dioxane	4.4	Not Detected	16	Not Detected
Bromodichloromethane	1.1	Not Detected	7.4	Not Detected
cis-1,3-Dichloropropene	1.1	Not Detected	5.0	Not Detected
4-Methyl-2-pentanone	1.1	Not Detected	4.5	Not Detected
Toluene	1.1	Not Detected	4.1	Not Detected
trans-1,3-Dichloropropene	1.1	Not Detected	5.0	Not Detected
1,1,2-Trichloroethane	1.1	Not Detected	6.0	Not Detected
Tetrachloroethene	1.1	Not Detected	7.5	Not Detected
2-Hexanone	4.4	Not Detected	18	Not Detected

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Client Sample ID: B-501 Intermediate #2 (VI-401A)

Lab ID#: 1307530-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j080627**	**Date of Collection:**	**7/26/13 1:05:00 PM**
Dil. Factor:	**2.20**	**Date of Analysis:**	**8/7/13 08:06 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.1	Not Detected	9.4	Not Detected
1,2-Dibromoethane (EDB)	1.1	Not Detected	8.4	Not Detected
Chlorobenzene	1.1	Not Detected	5.1	Not Detected
Ethyl Benzene	1.1	Not Detected	4.8	Not Detected
m,p-Xylene	1.1	Not Detected	4.8	Not Detected
o-Xylene	1.1	Not Detected	4.8	Not Detected
Styrene	1.1	Not Detected	4.7	Not Detected
Bromoform	1.1	Not Detected	11	Not Detected
Cumene	1.1	Not Detected	5.4	Not Detected
1,1,2,2-Tetrachloroethane	1.1	Not Detected	7.6	Not Detected
Propylbenzene	1.1	Not Detected	5.4	Not Detected
4-Ethyltoluene	1.1	Not Detected	5.4	Not Detected
1,3,5-Trimethylbenzene	1.1	Not Detected	5.4	Not Detected
1,2,4-Trimethylbenzene	1.1	Not Detected	5.4	Not Detected
1,3-Dichlorobenzene	1.1	Not Detected	6.6	Not Detected
1,4-Dichlorobenzene	1.1	Not Detected	6.6	Not Detected
alpha-Chlorotoluene	1.1	Not Detected	5.7	Not Detected
1,2-Dichlorobenzene	1.1	Not Detected	6.6	Not Detected
1,2,4-Trichlorobenzene	4.4	Not Detected	33	Not Detected
Hexachlorobutadiene	4.4	Not Detected	47	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: B-501 Intermediate #1 (VI-403B)

Lab ID#: 1307530-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j080628**	**Date of Collection:**	**7/26/13 1:15:00 PM**
Dil. Factor:	**2.16**	**Date of Analysis:**	**8/7/13 08:33 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.1	Not Detected	5.3	Not Detected
Freon 114	1.1	Not Detected	7.6	Not Detected
Chloromethane	11	Not Detected	22	Not Detected
Vinyl Chloride	1.1	Not Detected	2.8	Not Detected
1,3-Butadiene	1.1	Not Detected	2.4	Not Detected
Bromomethane	11	Not Detected	42	Not Detected
Chloroethane	4.3	Not Detected	11	Not Detected
Freon 11	1.1	Not Detected	6.1	Not Detected
Ethanol	4.3	Not Detected	8.1	Not Detected
Freon 113	1.1	Not Detected	8.3	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.3	Not Detected
Acetone	11	Not Detected	26	Not Detected
2-Propanol	4.3	Not Detected	11	Not Detected
Carbon Disulfide	4.3	Not Detected	13	Not Detected
3-Chloropropene	4.3	Not Detected	14	Not Detected
Methylene Chloride	11	Not Detected	38	Not Detected
Methyl tert-butyl ether	1.1	Not Detected	3.9	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.3	Not Detected
Hexane	1.1	Not Detected	3.8	Not Detected
1,1-Dichloroethane	1.1	Not Detected	4.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.3	Not Detected	13	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	4.3	Not Detected
Tetrahydrofuran	1.1	Not Detected	3.2	Not Detected
Chloroform	1.1	Not Detected	5.3	Not Detected
1,1,1-Trichloroethane	1.1	Not Detected	5.9	Not Detected
Cyclohexane	1.1	Not Detected	3.7	Not Detected
Carbon Tetrachloride	1.1	Not Detected	6.8	Not Detected
2,2,4-Trimethylpentane	1.1	Not Detected	5.0	Not Detected
Benzene	1.1	Not Detected	3.4	Not Detected
1,2-Dichloroethane	1.1	Not Detected	4.4	Not Detected
Heptane	1.1	Not Detected	4.4	Not Detected
Trichloroethene	1.1	Not Detected	5.8	Not Detected
1,2-Dichloropropane	1.1	Not Detected	5.0	Not Detected
1,4-Dioxane	4.3	Not Detected	16	Not Detected
Bromodichloromethane	1.1	Not Detected	7.2	Not Detected
cis-1,3-Dichloropropene	1.1	Not Detected	4.9	Not Detected
4-Methyl-2-pentanone	1.1	Not Detected	4.4	Not Detected
Toluene	1.1	Not Detected	4.1	Not Detected
trans-1,3-Dichloropropene	1.1	Not Detected	4.9	Not Detected
1,1,2-Trichloroethane	1.1	Not Detected	5.9	Not Detected
Tetrachloroethene	1.1	Not Detected	7.3	Not Detected
2-Hexanone	4.3	Not Detected	18	Not Detected

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Client Sample ID: B-501 Intermediate #1 (VI-403B)

Lab ID#: 1307530-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j080628**	**Date of Collection:**	**7/26/13 1:15:00 PM**
Dil. Factor:	**2.16**	**Date of Analysis:**	**8/7/13 08:33 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.1	Not Detected	9.2	Not Detected
1,2-Dibromoethane (EDB)	1.1	Not Detected	8.3	Not Detected
Chlorobenzene	1.1	Not Detected	5.0	Not Detected
Ethyl Benzene	1.1	Not Detected	4.7	Not Detected
m,p-Xylene	1.1	Not Detected	4.7	Not Detected
o-Xylene	1.1	Not Detected	4.7	Not Detected
Styrene	1.1	Not Detected	4.6	Not Detected
Bromoform	1.1	Not Detected	11	Not Detected
Cumene	1.1	Not Detected	5.3	Not Detected
1,1,2,2-Tetrachloroethane	1.1	Not Detected	7.4	Not Detected
Propylbenzene	1.1	Not Detected	5.3	Not Detected
4-Ethyltoluene	1.1	Not Detected	5.3	Not Detected
1,3,5-Trimethylbenzene	1.1	Not Detected	5.3	Not Detected
1,2,4-Trimethylbenzene	1.1	Not Detected	5.3	Not Detected
1,3-Dichlorobenzene	1.1	Not Detected	6.5	Not Detected
1,4-Dichlorobenzene	1.1	Not Detected	6.5	Not Detected
alpha-Chlorotoluene	1.1	Not Detected	5.6	Not Detected
1,2-Dichlorobenzene	1.1	Not Detected	6.5	Not Detected
1,2,4-Trichlorobenzene	4.3	Not Detected	32	Not Detected
Hexachlorobutadiene	4.3	Not Detected	46	Not Detected

Container Type: 1.4 Liter Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	90	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: B-501 Effluent (VI-501)

Lab ID#: 1307530-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j080629**	**Date of Collection: 7/26/13 1:26:00 PM**	
Dil. Factor:	**2.42**	**Date of Analysis: 8/7/13 09:02 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.2	Not Detected	6.0	Not Detected
Freon 114	1.2	Not Detected	8.4	Not Detected
Chloromethane	12	Not Detected	25	Not Detected
Vinyl Chloride	1.2	Not Detected	3.1	Not Detected
1,3-Butadiene	1.2	Not Detected	2.7	Not Detected
Bromomethane	12	Not Detected	47	Not Detected
Chloroethane	4.8	Not Detected	13	Not Detected
Freon 11	1.2	Not Detected	6.8	Not Detected
Ethanol	4.8	Not Detected	9.1	Not Detected
Freon 113	1.2	Not Detected	9.3	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Acetone	12	21	29	50
2-Propanol	4.8	Not Detected	12	Not Detected
Carbon Disulfide	4.8	Not Detected	15	Not Detected
3-Chloropropene	4.8	Not Detected	15	Not Detected
Methylene Chloride	12	Not Detected	42	Not Detected
Methyl tert-butyl ether	1.2	Not Detected	4.4	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Hexane	1.2	Not Detected	4.3	Not Detected
1,1-Dichloroethane	1.2	Not Detected	4.9	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.8	Not Detected	14	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.6	Not Detected
Chloroform	1.2	Not Detected	5.9	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.6	Not Detected
Cyclohexane	1.2	Not Detected	4.2	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.6	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.6	Not Detected
Benzene	1.2	Not Detected	3.9	Not Detected
1,2-Dichloroethane	1.2	Not Detected	4.9	Not Detected
Heptane	1.2	Not Detected	5.0	Not Detected
Trichloroethene	1.2	Not Detected	6.5	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.6	Not Detected
1,4-Dioxane	4.8	Not Detected	17	Not Detected
Bromodichloromethane	1.2	Not Detected	8.1	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.5	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	5.0	Not Detected
Toluene	1.2	Not Detected	4.6	Not Detected
trans-1,3-Dichloropropene	1.2	Not Detected	5.5	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.6	Not Detected
Tetrachloroethene	1.2	Not Detected	8.2	Not Detected
2-Hexanone	4.8	Not Detected	20	Not Detected

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Client Sample ID: B-501 Effluent (VI-501)

Lab ID#: 1307530-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j080629**	**Date of Collection:**	**7/26/13 1:26:00 PM**
Dil. Factor:	**2.42**	**Date of Analysis:**	**8/7/13 09:02 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.2	Not Detected	10	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.3	Not Detected
Chlorobenzene	1.2	Not Detected	5.6	Not Detected
Ethyl Benzene	1.2	Not Detected	5.2	Not Detected
m,p-Xylene	1.2	Not Detected	5.2	Not Detected
o-Xylene	1.2	Not Detected	5.2	Not Detected
Styrene	1.2	Not Detected	5.2	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
Cumene	1.2	Not Detected	5.9	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.3	Not Detected
Propylbenzene	1.2	Not Detected	5.9	Not Detected
4-Ethyltoluene	1.2	Not Detected	5.9	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.9	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.9	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.3	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
1,2,4-Trichlorobenzene	4.8	Not Detected	36	Not Detected
Hexachlorobutadiene	4.8	Not Detected	52	Not Detected

Container Type: 1.4 Liter Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	90	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1307530-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j080606**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/6/13 12:00 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	5.0	Not Detected	12	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	2.0	Not Detected	6.2	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	5.9	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected

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Client Sample ID: Lab Blank

Lab ID#: 1307530-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j080606**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/6/13 12:00 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	86	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: CCV

Lab ID#: 1307530-10A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j080602**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/6/13 09:41 AM**	

Compound	%Recovery
Freon 12	90
Freon 114	95
Chloromethane	87
Vinyl Chloride	97
1,3-Butadiene	100
Bromomethane	103
Chloroethane	92
Freon 11	91
Ethanol	96
Freon 113	99
1,1-Dichloroethene	97
Acetone	93
2-Propanol	94
Carbon Disulfide	93
3-Chloropropene	92
Methylene Chloride	88
Methyl tert-butyl ether	98
trans-1,2-Dichloroethene	96
Hexane	99
1,1-Dichloroethane	89
2-Butanone (Methyl Ethyl Ketone)	104
cis-1,2-Dichloroethene	98
Tetrahydrofuran	102
Chloroform	91
1,1,1-Trichloroethane	91
Cyclohexane	106
Carbon Tetrachloride	89
2,2,4-Trimethylpentane	99
Benzene	98
1,2-Dichloroethane	89
Heptane	112
Trichloroethene	99
1,2-Dichloropropane	94
1,4-Dioxane	102
Bromodichloromethane	90
cis-1,3-Dichloropropene	94
4-Methyl-2-pentanone	100
Toluene	88
trans-1,3-Dichloropropene	96
1,1,2-Trichloroethane	94
Tetrachloroethene	94
2-Hexanone	100

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Client Sample ID: CCV

Lab ID#: 1307530-10A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j080602**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/6/13 09:41 AM**	

Compound	%Recovery
Dibromochloromethane	96
1,2-Dibromoethane (EDB)	96
Chlorobenzene	90
Ethyl Benzene	99
m,p-Xylene	102
o-Xylene	104
Styrene	106
Bromoform	96
Cumene	106
1,1,2,2-Tetrachloroethane	92
Propylbenzene	100
4-Ethyltoluene	114
1,3,5-Trimethylbenzene	103
1,2,4-Trimethylbenzene	110
1,3-Dichlorobenzene	93
1,4-Dichlorobenzene	96
alpha-Chlorotoluene	100
1,2-Dichlorobenzene	96
1,2,4-Trichlorobenzene	95
Hexachlorobutadiene	93

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	91	70-130
4-Bromofluorobenzene	104	70-130

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Client Sample ID: LCS

Lab ID#: 1307530-11A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j080603**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/6/13 10:15 AM**	

Compound	%Recovery
Freon 12	96
Freon 114	103
Chloromethane	93
Vinyl Chloride	108
1,3-Butadiene	105
Bromomethane	110
Chloroethane	100
Freon 11	96
Ethanol	98
Freon 113	108
1,1-Dichloroethene	113
Acetone	101
2-Propanol	99
Carbon Disulfide	122
3-Chloropropene	120
Methylene Chloride	94
Methyl tert-butyl ether	104
trans-1,2-Dichloroethene	115
Hexane	111
1,1-Dichloroethane	93
2-Butanone (Methyl Ethyl Ketone)	107
cis-1,2-Dichloroethene	105
Tetrahydrofuran	104
Chloroform	97
1,1,1-Trichloroethane	96
Cyclohexane	118
Carbon Tetrachloride	99
2,2,4-Trimethylpentane	107
Benzene	95
1,2-Dichloroethane	85
Heptane	106
Trichloroethene	99
1,2-Dichloropropane	90
1,4-Dioxane	90
Bromodichloromethane	86
cis-1,3-Dichloropropene	91
4-Methyl-2-pentanone	97
Toluene	83
trans-1,3-Dichloropropene	95
1,1,2-Trichloroethane	95
Tetrachloroethene	97
2-Hexanone	96

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Client Sample ID: LCS

Lab ID#: 1307530-11A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j080603**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/6/13 10:15 AM**	

Compound	%Recovery
Dibromochloromethane	94
1,2-Dibromoethane (EDB)	97
Chlorobenzene	92
Ethyl Benzene	99
m,p-Xylene	101
o-Xylene	104
Styrene	104
Bromoform	94
Cumene	108
1,1,2,2-Tetrachloroethane	87
Propylbenzene	100
4-Ethyltoluene	98
1,3,5-Trimethylbenzene	107
1,2,4-Trimethylbenzene	106
1,3-Dichlorobenzene	93
1,4-Dichlorobenzene	95
alpha-Chlorotoluene	96
1,2-Dichlorobenzene	95
1,2,4-Trichlorobenzene	91
Hexachlorobutadiene	90

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	106	70-130

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Client Sample ID: LCSD

Lab ID#: 1307530-11AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j080604**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/6/13 10:54 AM**	

Compound	%Recovery
Freon 12	89
Freon 114	96
Chloromethane	89
Vinyl Chloride	99
1,3-Butadiene	100
Bromomethane	103
Chloroethane	93
Freon 11	88
Ethanol	88
Freon 113	100
1,1-Dichloroethene	105
Acetone	89
2-Propanol	93
Carbon Disulfide	114
3-Chloropropene	110
Methylene Chloride	88
Methyl tert-butyl ether	97
trans-1,2-Dichloroethene	110
Hexane	101
1,1-Dichloroethane	88
2-Butanone (Methyl Ethyl Ketone)	98
cis-1,2-Dichloroethene	94
Tetrahydrofuran	96
Chloroform	88
1,1,1-Trichloroethane	90
Cyclohexane	106
Carbon Tetrachloride	92
2,2,4-Trimethylpentane	101
Benzene	101
1,2-Dichloroethane	85
Heptane	109
Trichloroethene	100
1,2-Dichloropropane	94
1,4-Dioxane	96
Bromodichloromethane	90
cis-1,3-Dichloropropene	94
4-Methyl-2-pentanone	100
Toluene	88
trans-1,3-Dichloropropene	95
1,1,2-Trichloroethane	96
Tetrachloroethene	96
2-Hexanone	96

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Client Sample ID: LCSD

Lab ID#: 1307530-11AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j080604**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/6/13 10:54 AM**	

Compound	%Recovery
Dibromochloromethane	96
1,2-Dibromoethane (EDB)	98
Chlorobenzene	91
Ethyl Benzene	99
m,p-Xylene	105
o-Xylene	104
Styrene	108
Bromoform	96
Cumene	107
1,1,2,2-Tetrachloroethane	89
Propylbenzene	102
4-Ethyltoluene	101
1,3,5-Trimethylbenzene	111
1,2,4-Trimethylbenzene	108
1,3-Dichlorobenzene	94
1,4-Dichlorobenzene	96
alpha-Chlorotoluene	96
1,2-Dichlorobenzene	96
1,2,4-Trichlorobenzene	93
Hexachlorobutadiene	91

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	84	70-130
4-Bromofluorobenzene	105	70-130

Air Toxics LTD.

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager James Hayward

Collected by: (Print and Sign) Mark Morgenstern

Company EA Engineering P.C. Email

Address 6712 Brooklawn Pkwy, Suite 104 City Syracuse State NY Zip 13211-2158

Phone 315-431-4610 Fax 315-345-0063

Project Info:
P.O. #
Project #
Project Name National Hotsat - offsite

Turn Around Time:
☒ Normal
☐ Rush
specify

Lab Use Only
Pressurized by:
Date:
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01A	B-502 Influent (VI-402B)	33716	7/26/13	12:15	TO-15	-26	-5		
02A	B-502 Intermediate #2 (VI-402A)	37413	7/26/13	12:23	TO-15	-21	-4		
03A	B-502 Intermediate #1 (VI-403A)	1350	7/26/13	12:30	TO-15	-29	-5		
04A	B-502 Effluent (VI-502)	34133	7/26/13	12:41	TO-15	-28	-4		
05A	B-501 Influent (VI-401B)	1025	7/26/13	12:53	TO-15	-29	-5		
06A	B-501 Intermediate #2 (VI-401A)	15766	7/26/13	13:05	TO-15	-21	-4		
07A	B-501 Intermediate #1 (VI-403B)	1167	7/26/13	13:15	TO-15	-22	-4		
08A	B-501 Effluent (VI-501)	1177	7/26/13	13:26	TO-15	-26	-5		

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
	7/26/13 14:00		ATL 07-27-13 0915
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

Notes:

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	Fedex		NA	good	Yes No None	1307530

Form 1293 rev.11

Attachment C

(Laboratory Analytical Data – Groundwater Samples)

HCV Report Of Analysis
DRAFT

Client: EA Engineering, Science & Technology **HCV Project #:** 3071902

Project: NYSDEC National Heatset

Sample ID: 152140-DDC-2-PS **Collection Date: 7/15/2013**
Lab#: AC73518-001 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**13**
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**15**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	**1**	**ug/l**	**1.0**	**2.3**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: 152140-DDC-2-PD **Collection Date: 7/15/2013**
Lab#: AC73518-002 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**17**
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**15**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	**1**	**ug/l**	**1.0**	**6.2**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: 152140-DUP071513 **Collection Date: 7/15/2013**
Lab#: AC73518-003 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND

Sample ID: 152140-DUP071513 **Collection Date: 7/15/2013**
Lab#: AC73518-003 **Receipt Date: 7/19/2013**
Matrix: Aqueous

1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**15**
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**18**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	**1**	**ug/l**	**1.0**	**5.3**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: 152140-DDC-4-PS **Collection Date: 7/15/2013**
Lab#: AC73518-004 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND

Sample ID: 152140-DDC-4-PS **Collection Date: 7/15/2013**
Lab#: AC73518-004 **Receipt Date: 7/19/2013**
Matrix: Aqueous

1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**4.9**
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**1.0**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: 152140-DDC-4-PS MS **Collection Date: 7/15/2013**
Lab#: AC73518-005 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	**1**	**ug/l**	**1.0**	**19**
1,1,2,2-Tetrachloroethane	**1**	**ug/l**	**1.0**	**17**
1,1,2-Trichloro-1,2,2-trifluoroethane	**1**	**ug/l**	**1.0**	**20**
1,1,2-Trichloroethane	**1**	**ug/l**	**1.0**	**15**
1,1-Dichloroethane	**1**	**ug/l**	**1.0**	**19**
1,1-Dichloroethene	**1**	**ug/l**	**1.0**	**24**
1,2,4-Trichlorobenzene	**1**	**ug/l**	**1.0**	**16**
1,2-Dibromo-3-chloropropane	**1**	**ug/l**	**1.0**	**12**
1,2-Dibromoethane	**1**	**ug/l**	**1.0**	**17**

Sample ID: 152140-DDC-4-PS MS | **Collection Date:** 7/15/2013
Lab#: AC73518-005 | **Receipt Date:** 7/19/2013
Matrix: Aqueous

Analyte	DF	Units	RL	Result
1,2-Dichlorobenzene	1	ug/l	1.0	17
1,2-Dichloroethane	1	ug/l	0.50	19
1,2-Dichloropropane	1	ug/l	1.0	18
1,3-Dichlorobenzene	1	ug/l	1.0	18
1,4-Dichlorobenzene	1	ug/l	1.0	17
2-Butanone	1	ug/l	1.0	18
2-Hexanone	1	ug/l	1.0	13
4-Methyl-2-pentanone	1	ug/l	1.0	11
Acetone	1	ug/l	10	86
Benzene	1	ug/l	0.50	20
Bromodichloromethane	1	ug/l	1.0	16
Bromoform	1	ug/l	1.0	13
Bromomethane	1	ug/l	1.0	24
Carbon disulfide	1	ug/l	1.0	18
Carbon tetrachloride	1	ug/l	1.0	20
Chlorobenzene	1	ug/l	1.0	16
Chloroethane	1	ug/l	1.0	24
Chloroform	1	ug/l	1.0	19
Chloromethane	1	ug/l	1.0	16
cis-1,2-Dichloroethene	1	ug/l	1.0	23
cis-1,3-Dichloropropene	1	ug/l	1.0	11
Cyclohexane	1	ug/l	1.0	20
Dibromochloromethane	1	ug/l	1.0	16
Dichlorodifluoromethane	1	ug/l	1.0	12
Ethylbenzene	1	ug/l	1.0	16
Isopropylbenzene	1	ug/l	1.0	18
m&p-Xylenes	1	ug/l	1.0	41
Methyl Acetate	1	ug/l	1.0	13
Methylcyclohexane	1	ug/l	1.0	19
Methylene chloride	1	ug/l	1.0	19
Methyl-t-butyl ether	1	ug/l	0.50	20
o-Xylene	1	ug/l	1.0	19
Styrene	1	ug/l	1.0	18
Tetrachloroethene	1	ug/l	1.0	16
Toluene	1	ug/l	1.0	16
trans-1,2-Dichloroethene	1	ug/l	1.0	20
trans-1,3-Dichloropropene	1	ug/l	1.0	11
Trichloroethene	1	ug/l	1.0	20
Trichlorofluoromethane	1	ug/l	1.0	24
Vinyl chloride	1	ug/l	1.0	23
Xylenes (Total)	1	ug/l	1.0	60

Sample ID: 152140-DDC-4-PS MSD | **Collection Date:** 7/15/2013
Lab#: AC73518-006 | **Receipt Date:** 7/19/2013
Matrix: Aqueous

Volatile Organics (no search) 8260 DRAFT

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	18
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	17
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	21
1,1,2-Trichloroethane	1	ug/l	1.0	19
1,1-Dichloroethane	1	ug/l	1.0	18
1,1-Dichloroethene	1	ug/l	1.0	24
1,2,4-Trichlorobenzene	1	ug/l	1.0	15
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	11
1,2-Dibromoethane	1	ug/l	1.0	19
1,2-Dichlorobenzene	1	ug/l	1.0	17
1,2-Dichloroethane	1	ug/l	0.50	18
1,2-Dichloropropane	1	ug/l	1.0	17
1,3-Dichlorobenzene	1	ug/l	1.0	15

Sample ID: 152140-DDC-4-PS MSD **Collection Date: 7/15/2013**
Lab#: AC73518-006 **Receipt Date: 7/19/2013**
Matrix: Aqueous

1,4-Dichlorobenzene	**1**	**ug/l**	**1.0**	**17**
2-Butanone	**1**	**ug/l**	**1.0**	**16**
2-Hexanone	**1**	**ug/l**	**1.0**	**16**
4-Methyl-2-pentanone	**1**	**ug/l**	**1.0**	**15**
Acetone	**1**	**ug/l**	**10**	**89**
Benzene	**1**	**ug/l**	**0.50**	**16**
Bromodichloromethane	**1**	**ug/l**	**1.0**	**15**
Bromoform	**1**	**ug/l**	**1.0**	**11**
Bromomethane	**1**	**ug/l**	**1.0**	**21**
Carbon disulfide	**1**	**ug/l**	**1.0**	**18**
Carbon tetrachloride	**1**	**ug/l**	**1.0**	**15**
Chlorobenzene	**1**	**ug/l**	**1.0**	**19**
Chloroethane	**1**	**ug/l**	**1.0**	**26**
Chloroform	**1**	**ug/l**	**1.0**	**17**
Chloromethane	**1**	**ug/l**	**1.0**	**17**
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**22**
cis-1,3-Dichloropropene	**1**	**ug/l**	**1.0**	**13**
Cyclohexane	**1**	**ug/l**	**1.0**	**18**
Dibromochloromethane	**1**	**ug/l**	**1.0**	**16**
Dichlorodifluoromethane	**1**	**ug/l**	**1.0**	**11**
Ethylbenzene	**1**	**ug/l**	**1.0**	**15**
Isopropylbenzene	**1**	**ug/l**	**1.0**	**16**
m&p-Xylenes	**1**	**ug/l**	**1.0**	**34**
Methyl Acetate	**1**	**ug/l**	**1.0**	**12**
Methylcyclohexane	**1**	**ug/l**	**1.0**	**19**
Methylene chloride	**1**	**ug/l**	**1.0**	**19**
Methyl-t-butyl ether	**1**	**ug/l**	**0.50**	**21**
o-Xylene	**1**	**ug/l**	**1.0**	**17**
Styrene	**1**	**ug/l**	**1.0**	**17**
Tetrachloroethene	**1**	**ug/l**	**1.0**	**18**
Toluene	**1**	**ug/l**	**1.0**	**18**
trans-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**19**
trans-1,3-Dichloropropene	**1**	**ug/l**	**1.0**	**13**
Trichloroethene	**1**	**ug/l**	**1.0**	**18**
Trichlorofluoromethane	**1**	**ug/l**	**1.0**	**22**
Vinyl chloride	**1**	**ug/l**	**1.0**	**23**
Xylenes (Total)	**1**	**ug/l**	**1.0**	**51**

Sample ID: 152140-DDC-4-PD **Collection Date: 7/15/2013**
Lab#: AC73518-007 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND

Sample ID: 152140-DDC-4-PD **Collection Date: 7/15/2013**
Lab#: AC73518-007 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**4.5**
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**1.5**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: 152140-MW-5S **Collection Date: 7/15/2013**
Lab#: AC73518-008 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND

Sample ID: 152140-MW-5S **Collection Date: 7/15/2013**
Lab#: AC73518-008 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**10**
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**16**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	**1**	**ug/l**	**1.0**	**1.9**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: 152140-MW-5D **Collection Date: 7/15/2013**
Lab#: AC73518-009 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND

Sample ID: 152140-MW-5D **Collection Date: 7/15/2013**
Lab#: AC73518-009 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: 152140-MW-15S **Collection Date: 7/15/2013**
Lab#: AC73518-010 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**4.1**

Sample ID: 152140-MW-15S **Collection Date: 7/15/2013**
Lab#: AC73518-010 **Receipt Date: 7/19/2013**
Matrix: Aqueous

cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**15**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: 152140-MW-15D **Collection Date: 7/15/2013**
Lab#: AC73518-011 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**4.2**
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND

Sample ID: 152140-MW-15D **Collection Date: 7/15/2013**
Lab#: AC73518-011 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**17**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: 152140-MW-3S (Onsite) **Collection Date: 7/15/2013**
Lab#: AC73518-012 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**8.9**
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND

Sample ID: 152140-MW-3S (Onsite) **Collection Date: 7/15/2013**
Lab#: AC73518-012 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**14**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	**1**	**ug/l**	**1.0**	**1.7**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: 152140-MW-3D (Onsite) **Collection Date: 7/15/2013**
Lab#: AC73518-013 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND

Styrene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**20**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: 152140-MW-1S (Onsite) **Collection Date: 7/15/2013**
Lab#: AC73518-014 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND

Sample ID: 152140-MW-1S (Onsite) **Collection Date: 7/15/2013**
Lab#: AC73518-014 **Receipt Date: 7/19/2013**
Matrix: Aqueous

trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: 152140-MW-1D (Onsite) **Collection Date: 7/15/2013**
Lab#: AC73518-015 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	5	ug/l	5.0	ND
1,1,2,2-Tetrachloroethane	5	ug/l	5.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	5	ug/l	5.0	ND
1,1,2-Trichloroethane	5	ug/l	5.0	ND
1,1-Dichloroethane	5	ug/l	5.0	ND
1,1-Dichloroethene	5	ug/l	5.0	ND
1,2,4-Trichlorobenzene	5	ug/l	5.0	ND
1,2-Dibromo-3-chloropropane	5	ug/l	5.0	ND
1,2-Dibromoethane	5	ug/l	5.0	ND
1,2-Dichlorobenzene	5	ug/l	5.0	ND
1,2-Dichloroethane	5	ug/l	2.5	ND
1,2-Dichloropropane	5	ug/l	5.0	ND
1,3-Dichlorobenzene	5	ug/l	5.0	ND
1,4-Dichlorobenzene	5	ug/l	5.0	ND
2-Butanone	5	ug/l	5.0	ND
2-Hexanone	5	ug/l	5.0	ND
4-Methyl-2-pentanone	5	ug/l	5.0	ND
Acetone	5	ug/l	50	ND
Benzene	5	ug/l	2.5	ND
Bromodichloromethane	5	ug/l	5.0	ND
Bromoform	5	ug/l	5.0	ND
Bromomethane	5	ug/l	5.0	ND
Carbon disulfide	5	ug/l	5.0	ND
Carbon tetrachloride	**5**	**ug/l**	**5.0**	**6.3**
Chlorobenzene	5	ug/l	5.0	ND
Chloroethane	5	ug/l	5.0	ND
Chloroform	**5**	**ug/l**	**5.0**	**8.8**
Chloromethane	5	ug/l	5.0	ND
cis-1,2-Dichloroethene	5	ug/l	5.0	ND
cis-1,3-Dichloropropene	5	ug/l	5.0	ND
Cyclohexane	5	ug/l	5.0	ND
Dibromochloromethane	5	ug/l	5.0	ND
Dichlorodifluoromethane	5	ug/l	5.0	ND
Ethylbenzene	5	ug/l	5.0	ND
Isopropylbenzene	5	ug/l	5.0	ND
m&p-Xylenes	5	ug/l	5.0	ND
Methyl Acetate	5	ug/l	5.0	ND
Methylcyclohexane	5	ug/l	5.0	ND
Methylene chloride	5	ug/l	5.0	ND
Methyl-t-butyl ether	5	ug/l	2.5	ND
o-Xylene	5	ug/l	5.0	ND
Styrene	5	ug/l	5.0	ND
Tetrachloroethene	**5**	**ug/l**	**5.0**	**1400**
Toluene	5	ug/l	5.0	ND
trans-1,2-Dichloroethene	5	ug/l	5.0	ND
trans-1,3-Dichloropropene	5	ug/l	5.0	ND
Trichloroethene	5	ug/l	5.0	ND
Trichlorofluoromethane	5	ug/l	5.0	ND
Vinyl chloride	5	ug/l	5.0	ND

Sample ID: 152140-MW-1D (Onsite) **Collection Date: 7/15/2013**
Lab#: AC73518-015 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Xylenes (Total)	5	ug/l	5.0	ND

Sample ID: 152140-MW-6S **Collection Date: 7/16/2013**
Lab#: AC73518-016 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**15**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: 152140-MW-14D **Collection Date: 7/16/2013**
Lab#: AC73518-017 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: 152140-MW-14S **Collection Date: 7/16/2013**
Lab#: AC73518-018 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND

Sample ID: 152140-MW-14S **Collection Date: 7/16/2013**
Lab#: AC73518-018 **Receipt Date: 7/19/2013**
Matrix: Aqueous

1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**4.2**
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**14**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: 152140-MW-2AD **Collection Date: 7/16/2013**
Lab#: AC73518-019 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND

Sample ID: 152140-MW-2AD **Collection Date: 7/16/2013**
Lab#: AC73518-019 **Receipt Date: 7/19/2013**
Matrix: Aqueous

1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**11**
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**14**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	**1**	**ug/l**	**1.0**	**2.0**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: 152140-MW-2A **Collection Date: 7/16/2013**
Lab#: AC73518-020 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND

Sample ID: 152140-MW-2A **Collection Date: 7/16/2013**
Lab#: AC73518-020 **Receipt Date: 7/19/2013**
Matrix: Aqueous

1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**11**
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**15**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	**1**	**ug/l**	**1.0**	**1.9**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: 152140-MW-2S **Collection Date: 7/17/2013**
Lab#: AC73518-021 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND

Sample ID: 152140-MW-2S **Collection Date: 7/17/2013**
Lab#: AC73518-021 **Receipt Date: 7/19/2013**
Matrix: Aqueous

1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: 152140-MW-2D **Collection Date: 7/17/2013**
Lab#: AC73518-022 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND

Sample ID: 152140-MW-2D **Collection Date: 7/17/2013**
Lab#: AC73518-022 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: 152140-MW-1S (Offsite) **Collection Date: 7/17/2013**
Lab#: AC73518-023 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND

Sample ID: 152140-MW-1S (Offsite) **Collection Date: 7/17/2013**
Lab#: AC73518-023 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**3.2**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	**1**	**ug/l**	**1.0**	**1.6**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: 152140-MW-1D (Offsite) **Collection Date: 7/17/2013**
Lab#: AC73518-024 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	20	ug/l	20	ND
1,1,2,2-Tetrachloroethane	20	ug/l	20	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	20	ug/l	20	ND
1,1,2-Trichloroethane	20	ug/l	20	ND
1,1-Dichloroethane	20	ug/l	20	ND
1,1-Dichloroethene	20	ug/l	20	ND
1,2,4-Trichlorobenzene	20	ug/l	20	ND
1,2-Dibromo-3-chloropropane	20	ug/l	20	ND
1,2-Dibromoethane	20	ug/l	20	ND
1,2-Dichlorobenzene	20	ug/l	20	ND
1,2-Dichloroethane	20	ug/l	10	ND
1,2-Dichloropropane	20	ug/l	20	ND
1,3-Dichlorobenzene	20	ug/l	20	ND
1,4-Dichlorobenzene	20	ug/l	20	ND
2-Butanone	20	ug/l	20	ND
2-Hexanone	20	ug/l	20	ND
4-Methyl-2-pentanone	20	ug/l	20	ND
Acetone	20	ug/l	200	ND
Benzene	20	ug/l	10	ND
Bromodichloromethane	20	ug/l	20	ND
Bromoform	20	ug/l	20	ND
Bromomethane	20	ug/l	20	ND
Carbon disulfide	20	ug/l	20	ND
Carbon tetrachloride	20	ug/l	20	ND
Chlorobenzene	20	ug/l	20	ND

Sample ID: 152140-MW-1D (Offsite) **Collection Date: 7/17/2013**
Lab#: AC73518-024 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Chloroethane	20	ug/l	20	ND
Chloroform	20	ug/l	20	ND
Chloromethane	20	ug/l	20	ND
cis-1,2-Dichloroethene	20	ug/l	20	ND
cis-1,3-Dichloropropene	20	ug/l	20	ND
Cyclohexane	20	ug/l	20	ND
Dibromochloromethane	20	ug/l	20	ND
Dichlorodifluoromethane	20	ug/l	20	ND
Ethylbenzene	20	ug/l	20	ND
Isopropylbenzene	20	ug/l	20	ND
m&p-Xylenes	20	ug/l	20	ND
Methyl Acetate	20	ug/l	20	ND
Methylcyclohexane	20	ug/l	20	ND
Methylene chloride	20	ug/l	20	ND
Methyl-t-butyl ether	20	ug/l	10	ND
o-Xylene	20	ug/l	20	ND
Styrene	20	ug/l	20	ND
Tetrachloroethene	**20**	**ug/l**	**20**	**2700**
Toluene	20	ug/l	20	ND
trans-1,2-Dichloroethene	20	ug/l	20	ND
trans-1,3-Dichloropropene	20	ug/l	20	ND
Trichloroethene	20	ug/l	20	ND
Trichlorofluoromethane	20	ug/l	20	ND
Vinyl chloride	20	ug/l	20	ND
Xylenes (Total)	20	ug/l	20	ND

Sample ID: 152140-DDC-5-PS **Collection Date: 7/17/2013**
Lab#: AC73518-025 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND

Sample ID: 152140-DDC-5-PS **Collection Date: 7/17/2013**
Lab#: AC73518-025 **Receipt Date: 7/19/2013**
Matrix: Aqueous

cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: 152140-DDC-5-PS MS **Collection Date: 7/17/2013**
Lab#: AC73518-026 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	**1**	**ug/l**	**1.0**	**16**
1,1,2,2-Tetrachloroethane	**1**	**ug/l**	**1.0**	**16**
1,1,2-Trichloro-1,2,2-trifluoroethane	**1**	**ug/l**	**1.0**	**16**
1,1,2-Trichloroethane	**1**	**ug/l**	**1.0**	**17**
1,1-Dichloroethane	**1**	**ug/l**	**1.0**	**16**
1,1-Dichloroethene	**1**	**ug/l**	**1.0**	**21**
1,2,4-Trichlorobenzene	**1**	**ug/l**	**1.0**	**14**
1,2-Dibromo-3-chloropropane	**1**	**ug/l**	**1.0**	**11**
1,2-Dibromoethane	**1**	**ug/l**	**1.0**	**17**
1,2-Dichlorobenzene	**1**	**ug/l**	**1.0**	**15**
1,2-Dichloroethane	**1**	**ug/l**	**0.50**	**16**
1,2-Dichloropropane	**1**	**ug/l**	**1.0**	**16**
1,3-Dichlorobenzene	**1**	**ug/l**	**1.0**	**14**
1,4-Dichlorobenzene	**1**	**ug/l**	**1.0**	**15**
2-Butanone	**1**	**ug/l**	**1.0**	**15**
2-Hexanone	**1**	**ug/l**	**1.0**	**12**
4-Methyl-2-pentanone	**1**	**ug/l**	**1.0**	**12**
Acetone	**1**	**ug/l**	**10**	**72**
Benzene	**1**	**ug/l**	**0.50**	**14**
Bromodichloromethane	**1**	**ug/l**	**1.0**	**13**
Bromoform	**1**	**ug/l**	**1.0**	**11**
Bromomethane	**1**	**ug/l**	**1.0**	**26**
Carbon disulfide	**1**	**ug/l**	**1.0**	**17**
Carbon tetrachloride	**1**	**ug/l**	**1.0**	**15**
Chlorobenzene	**1**	**ug/l**	**1.0**	**17**
Chloroethane	**1**	**ug/l**	**1.0**	**27**
Chloroform	**1**	**ug/l**	**1.0**	**15**
Chloromethane	**1**	**ug/l**	**1.0**	**24**
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**18**
cis-1,3-Dichloropropene	**1**	**ug/l**	**1.0**	**13**
Cyclohexane	**1**	**ug/l**	**1.0**	**16**
Dibromochloromethane	**1**	**ug/l**	**1.0**	**14**
Dichlorodifluoromethane	**1**	**ug/l**	**1.0**	**28**

Sample ID: 152140-DDC-5-PS MS | **Collection Date:** 7/17/2013
Lab#: AC73518-026 | **Receipt Date:** 7/19/2013
Matrix: Aqueous

Ethylbenzene	1	ug/l	1.0	13
Isopropylbenzene	1	ug/l	1.0	14
m&p-Xylenes	1	ug/l	1.0	30
Methyl Acetate	1	ug/l	1.0	14
Methylcyclohexane	1	ug/l	1.0	16
Methylene chloride	1	ug/l	1.0	16
Methyl-t-butyl ether	1	ug/l	0.50	19
o-Xylene	1	ug/l	1.0	15
Styrene	1	ug/l	1.0	16
Tetrachloroethene	1	ug/l	1.0	18
Toluene	1	ug/l	1.0	16
trans-1,2-Dichloroethene	1	ug/l	1.0	18
trans-1,3-Dichloropropene	1	ug/l	1.0	12
Trichloroethene	1	ug/l	1.0	15
Trichlorofluoromethane	1	ug/l	1.0	21
Vinyl chloride	1	ug/l	1.0	20
Xylenes (Total)	1	ug/l	1.0	45

Sample ID: 152140-DDC-5-PS MSD | **Collection Date:** 7/17/2013
Lab#: AC73518-027 | **Receipt Date:** 7/19/2013
Matrix: Aqueous

Volatile Organics (no search) 8260 — DRAFT

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	18
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	16
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	17
1,1,2-Trichloroethane	1	ug/l	1.0	15
1,1-Dichloroethane	1	ug/l	1.0	17
1,1-Dichloroethene	1	ug/l	1.0	21
1,2,4-Trichlorobenzene	1	ug/l	1.0	16
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	9.7
1,2-Dibromoethane	1	ug/l	1.0	16
1,2-Dichlorobenzene	1	ug/l	1.0	17
1,2-Dichloroethane	1	ug/l	0.50	16
1,2-Dichloropropane	1	ug/l	1.0	16
1,3-Dichlorobenzene	1	ug/l	1.0	17
1,4-Dichlorobenzene	1	ug/l	1.0	16
2-Butanone	1	ug/l	1.0	16
2-Hexanone	1	ug/l	1.0	9.9
4-Methyl-2-pentanone	1	ug/l	1.0	9.9
Acetone	1	ug/l	10	74
Benzene	1	ug/l	0.50	18
Bromodichloromethane	1	ug/l	1.0	14
Bromoform	1	ug/l	1.0	11
Bromomethane	1	ug/l	1.0	23
Carbon disulfide	1	ug/l	1.0	18
Carbon tetrachloride	1	ug/l	1.0	17
Chlorobenzene	1	ug/l	1.0	15
Chloroethane	1	ug/l	1.0	25
Chloroform	1	ug/l	1.0	17
Chloromethane	1	ug/l	1.0	22
cis-1,2-Dichloroethene	1	ug/l	1.0	16
cis-1,3-Dichloropropene	1	ug/l	1.0	11
Cyclohexane	1	ug/l	1.0	17
Dibromochloromethane	1	ug/l	1.0	14
Dichlorodifluoromethane	1	ug/l	1.0	24
Ethylbenzene	1	ug/l	1.0	14
Isopropylbenzene	1	ug/l	1.0	15
m&p-Xylenes	1	ug/l	1.0	37
Methyl Acetate	1	ug/l	1.0	13

Sample ID: 152140-DDC-5-PS MSD **Collection Date: 7/17/2013**
Lab#: AC73518-027 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Methylcyclohexane	**1**	**ug/l**	**1.0**	**17**
Methylene chloride	**1**	**ug/l**	**1.0**	**18**
Methyl-t-butyl ether	**1**	**ug/l**	**0.50**	**19**
o-Xylene	**1**	**ug/l**	**1.0**	**18**
Styrene	**1**	**ug/l**	**1.0**	**16**
Tetrachloroethene	**1**	**ug/l**	**1.0**	**16**
Toluene	**1**	**ug/l**	**1.0**	**15**
trans-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**17**
trans-1,3-Dichloropropene	**1**	**ug/l**	**1.0**	**10**
Trichloroethene	**1**	**ug/l**	**1.0**	**19**
Trichlorofluoromethane	**1**	**ug/l**	**1.0**	**19**
Vinyl chloride	**1**	**ug/l**	**1.0**	**19**
Xylenes (Total)	**1**	**ug/l**	**1.0**	**55**

Sample ID: 152140-DDC-5-PD **Collection Date: 7/17/2013**
Lab#: AC73518-028 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND

Sample ID: 152140-DDC-5-PD **Collection Date: 7/17/2013**
Lab#: AC73518-028 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: DUP071713 **Collection Date: 7/17/2013**
Lab#: AC73518-029 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND

Sample ID: DUP071713 **Collection Date: 7/17/2013**
Lab#: AC73518-029 **Receipt Date: 7/19/2013**
Matrix: Aqueous

trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: 152140-MW-3S-(Offsite) **Collection Date: 7/17/2013**
Lab#: AC73518-030 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND

Sample ID: 152140-MW-3S-(Offsite) **Collection Date: 7/17/2013**
Lab#: AC73518-030 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: 152140-MW-3D-(Offsite) **Collection Date: 7/17/2013**
Lab#: AC73518-031 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**2.1**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: 152140-DDC-6-PS **Collection Date: 7/17/2013**
Lab#: AC73518-032 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: 152140-DDC-6-PD **Collection Date: 7/17/2013**
Lab#: AC73518-033 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND

Sample ID: 152140-DDC-6-PD **Collection Date: 7/17/2013**
Lab#: AC73518-033 **Receipt Date: 7/19/2013**
Matrix: Aqueous

1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: 152140-DDC-7-PS **Collection Date: 7/18/2013**
Lab#: AC73518-034 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND

Sample ID: 152140-DDC-7-PS **Collection Date: 7/18/2013**
Lab#: AC73518-034 **Receipt Date: 7/19/2013**
Matrix: Aqueous

1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**8.1**
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**3.6**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: 152140-DDC-7-PD **Collection Date: 7/18/2013**
Lab#: AC73518-035 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND

Sample ID: 152140-DDC-7-PD **Collection Date: 7/18/2013**
Lab#: AC73518-035 **Receipt Date: 7/19/2013**
Matrix: Aqueous

1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**16**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: 152140-DDC-8-PS **Collection Date: 7/18/2013**
Lab#: AC73518-036 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND

Sample ID: 152140-DDC-8-PS **Collection Date: 7/18/2013**
Lab#: AC73518-036 **Receipt Date: 7/19/2013**
Matrix: Aqueous

1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**200**
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**100**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	**1**	**ug/l**	**1.0**	**100**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: 152140-DDC-8-PD **Collection Date: 7/18/2013**
Lab#: AC73518-037 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	10	ug/l	10	ND
1,1,2,2-Tetrachloroethane	10	ug/l	10	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	10	ug/l	10	ND
1,1,2-Trichloroethane	10	ug/l	10	ND
1,1-Dichloroethane	10	ug/l	10	ND
1,1-Dichloroethene	10	ug/l	10	ND
1,2,4-Trichlorobenzene	10	ug/l	10	ND
1,2-Dibromo-3-chloropropane	10	ug/l	10	ND
1,2-Dibromoethane	10	ug/l	10	ND
1,2-Dichlorobenzene	10	ug/l	10	ND
1,2-Dichloroethane	10	ug/l	5.0	ND
1,2-Dichloropropane	10	ug/l	10	ND
1,3-Dichlorobenzene	10	ug/l	10	ND
1,4-Dichlorobenzene	10	ug/l	10	ND
2-Butanone	10	ug/l	10	ND
2-Hexanone	10	ug/l	10	ND
4-Methyl-2-pentanone	10	ug/l	10	ND

Sample ID: 152140-DDC-8-PD **Collection Date: 7/18/2013**
Lab#: AC73518-037 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Acetone	10	ug/l	100	ND
Benzene	10	ug/l	5.0	ND
Bromodichloromethane	10	ug/l	10	ND
Bromoform	10	ug/l	10	ND
Bromomethane	10	ug/l	10	ND
Carbon disulfide	10	ug/l	10	ND
Carbon tetrachloride	10	ug/l	10	ND
Chlorobenzene	10	ug/l	10	ND
Chloroethane	10	ug/l	10	ND
Chloroform	10	ug/l	10	ND
Chloromethane	10	ug/l	10	ND
cis-1,2-Dichloroethene	**10**	**ug/l**	**10**	**710**
cis-1,3-Dichloropropene	10	ug/l	10	ND
Cyclohexane	10	ug/l	10	ND
Dibromochloromethane	10	ug/l	10	ND
Dichlorodifluoromethane	10	ug/l	10	ND
Ethylbenzene	10	ug/l	10	ND
Isopropylbenzene	10	ug/l	10	ND
m&p-Xylenes	10	ug/l	10	ND
Methyl Acetate	10	ug/l	10	ND
Methylcyclohexane	10	ug/l	10	ND
Methylene chloride	10	ug/l	10	ND
Methyl-t-butyl ether	10	ug/l	5.0	ND
o-Xylene	10	ug/l	10	ND
Styrene	10	ug/l	10	ND
Tetrachloroethene	**10**	**ug/l**	**10**	**1000**
Toluene	10	ug/l	10	ND
trans-1,2-Dichloroethene	10	ug/l	10	ND
trans-1,3-Dichloropropene	10	ug/l	10	ND
Trichloroethene	**10**	**ug/l**	**10**	**790**
Trichlorofluoromethane	10	ug/l	10	ND
Vinyl chloride	10	ug/l	10	ND
Xylenes (Total)	10	ug/l	10	ND

Sample ID: 152140-DDC-9-PS **Collection Date: 7/18/2013**
Lab#: AC73518-038 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND

Sample ID: 152140-DDC-9-PS **Collection Date: 7/18/2013**
Lab#: AC73518-038 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**2.4**
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**3.8**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	**1**	**ug/l**	**1.0**	**2.6**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: 152140-DDC-9-PD **Collection Date: 7/18/2013**
Lab#: AC73518-039 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND

Sample ID: 152140-DDC-9-PD **Collection Date: 7/18/2013**
Lab#: AC73518-039 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**2.7**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	**1**	**ug/l**	**1.0**	**1.1**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: 152140-DDC-10-PS **Collection Date: 7/18/2013**
Lab#: AC73518-040 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND

Sample ID: 152140-DDC-10-PS **Collection Date: 7/18/2013**
Lab#: AC73518-040 **Receipt Date: 7/19/2013**
Matrix: Aqueous

cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: 152140-DDC-10-PD **Collection Date: 7/18/2013**
Lab#: AC73518-041 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	**1**	**ug/l**	**1.0**	**1.0**
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND

Sample ID: 152140-DDC-10-PD **Collection Date: 7/18/2013**
Lab#: AC73518-041 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**1.9**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	**1**	**ug/l**	**1.0**	**2.1**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: TRIP BLANK **Collection Date: 7/18/2013**
Lab#: AC73518-042 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND

Sample ID: TRIP BLANK **Collection Date: 7/18/2013**
Lab#: AC73518-042 **Receipt Date: 7/19/2013**
Matrix: Aqueous

Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

HamptonClarke-Veritech Laboratories
175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
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Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056
NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124

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CHAIN OF CUSTODY RECORD

Project# (Lab Use Only): 3071902

Page 1 of 4

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
24 Hours (100%)	Data Summary	Hazsite/CSV
48 Hours (75%)	Waste	(EQuIS 4-File / EZ / NYS)
72 Hours (50%)	Red - NJ / NY / PA	EQuIS EPA Region 2 or 5
4 Days (35%; TPH)	CLP	Excel - NJ Regulatory
1 Week (25%; EPH)	(Full / Category B)	Excel - NY Regulatory
10 Days (10%)	Category A	Excel - PA Regulatory
(2 Weeks)	Other:	(PDF)
Other:		Other:

Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer: EA Engineering
Address: 6712 Brooklawn Parkway, Suite 104
Syracuse, NY 13211
1b) Email/Cell/Fax/Ph: jhayward@eaest.com
1c) Send Invoice to: northeastap@eaest.com
1d) Send Report to: jhayward@eaest.com

Project Information

2a) Project: National Heatset Printing Site
2b) Project Mgr: Jim Hayward
2c) Project Location (City/State): Babylon, NY
2d) Quote/PO # (If Applicable): 1490716

FOR LAB USE ONLY ↓
Batch # AC73518

Check If Contingent ===>

Matrix Codes
DW - Drinking Water; S - Soil; A - Air; GW - Ground Water; SL - Sludge; WW - Waste Water; OL - Oil; OT - Other (please specify under item 9, Comments)

7) Analysis Request <=== Check If Contingent

8) # of Bottles

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	VOC 8260B	None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
-001	152140-DDC-2-PS	GW	07.15.13	1038		X	X					3				
-002	152140-DDC-2-PD	GW	07.15.13	1035		X	X					3				
-003	152140-DUP071513	GW	—	—		X	X					3				
004/005/006	152140-DDC-4-PS	GW	07.15.13	0947		X	X					9				MS/MSD
007	152140-DDC-4-PD	GW	07.15.13	0930		X	X					3				
008	152140-[redacted]MW-5S	GW	07.15.13	1135		X	X					3				
009	152140-MW-5D	GW	07.15.13	1133		X	X					3				
010	152140-MW-15S	GW	07.15.13	0830		X	X					3				
011	152140-MW-15D	GW	07.15.13	0846		X	X					3				
012	152140-MW-3S (onsite)	GW	07.15.13	1320		X	X					3				

10) Relinquished by:	Accepted by:	Date	Time
Robert Peterson	FedEx	07/18/13	1245
		7/19/13	0837
		7/19/13	0930

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Note: Check if low-level groundwater methods required to meet current standards in NJ or PA:
- ☐ BN or BNA (8270C SIM)
- ☐ VOC (8260B SIM or 8011)
- ☐ Metals (ICP-MS 200.8 or 6020)
- ☐ Metals-Soil (ICP-MS 6020 for Be & Ag)

Note: Check if applicable:
- ☐ Project-Specific Reporting Limits
- ☐ High Contaminant Concentrations
- ☐ NJ LSRP Project

Cooler Temperature: 2.3

11) Sampler (print name): Robert Peterson Date: 07/18/13

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

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Ph (Service Center): 856-780-6057 Fax: 856-780-6056

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CHAIN OF CUSTODY RECORD

A Women-Owned, Disadvantaged, Small Business Enterprise

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124

Project# (Lab Use Only): 307902

Page 2 of 4

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
24 Hours (100%)	Data Summary	Hazsite/CSV
48 Hours (75%)	Waste	EQuIS 4-File / EZ / NYS
72 Hours (50%)	Red - NJ / NY / PA	EQuIS EPA Region 2 or 5
4 Days (35%; TPH)	CLP	Excel - NJ Regulatory
1 Week (25%; EPH)	Full / Category B	Excel - NY Regulatory
10 Days (10%)	Category A	Excel - PA Regulatory
2 Weeks	Other:	PDF
Other:		Other:

Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer: EA Engineering
Address: 6712 Brooklawn Parkway, Suite 104
Syracuse, NY 13211
1b) Email/Cell/Fax/Ph: jhayward@eaest.com
1c) Send Invoice to: northeastap@eaest.com
1d) Send Report to: jhayward@eaest.com

Project Information

2a) Project: National Heatset Printing Site
2b) Project Mgr: Jim Hayward
2c) Project Location (City/State): Babylon, NY
2d) Quote/PO # (If Applicable): 1490716

FOR LAB USE ONLY ↓

Batch # AC13518

Check If Contingent ===>

Matrix Codes
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

7) Analysis Request

<=== Check If Contingent

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	VOC 8260B	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
-013	152140-MW-3D (onsite)	GW	07-15-13	1310		X	X					3				
-014	152140-MW-1S (onsite)	GW	07-15-13	1415		X	X					3				
-015	152140-MW-1D (onsite)	GW	07-15-13	1412		X	X					3				
-016	152140-MW-6S	GW	07-16-13	1055		X	X					3				
-017	152140-MW-14D	GW	07-16-13	0955		X	X					3				
-018	152140-MW-14S	GW	07-16-13	0948		X	X					3				
-019	152140-MW-2AD	GW	07-16-13	0830		X	X					3				
-020	152140-MW-2A	GW	07-16-13	0820		X	X					3				
-021	152140-MW-2S	GW	07-17-13	1335		X	X					3				
-022	152140-MW-2D	GW	07-17-13	1335		X	X					3				

10) Relinquished by:	Accepted by:	Date	Time
Robert Peterson	Fed Ex	07/18/13	1248
		7/19/13	0930

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Note: Check if low-level groundwater methods required to meet current standards in NJ or PA:
- ☐ BN or BNA (8270C SIM)
- ☐ VOC (8260B SIM or 8011)
- ☐ Metals (ICP-MS 200.8 or 6020)
- ☐ Metals-Soil (ICP-MS 6020 for Be & Ag)

Note: Check if applicable:
- ☐ Project-Specific Reporting Limits
- ☐ High Contaminant Concentrations
- ☐ NJ LSRP Project

Cooler Temperature: 2.3

11) Sampler (print name): Rob Peterson Date: 07/18/13

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NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124

CHAIN OF CUSTODY RECORD

Project# (Lab Use Only): 3071902

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
24 Hours (100%)	Data Summary	Hazsite/CSV
48 Hours (75%)	Waste	EQuIS 4-File / EZ / NYS
72 Hours (50%)	Red - NJ / NY / PA	EQuIS EPA Region 2 or 5
4 Days (35%; TPH)	CLP	Excel - NJ Regulatory
1 Week (25%; EPH)	Full / Category B	Excel - NY Regulatory
10 Days (10%)	Category A	Excel - PA Regulatory
2 Weeks	Other:	PDF
Other:		Other:

Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer: EA Engineering
Address: 6712 Brooklawn Parkway, Suite 104
Syracuse, NY 13211
1b) Email/Cell/Fax/Ph: jhayward@eaest.com
1c) Send Invoice to: northeastap@eaest.com
1d) Send Report to: jhayward@eaest.com

Project Information

2a) Project: National Heatset Printing Site
2b) Project Mgr: Jim Hayward
2c) Project Location (City/State): Babylon, NY
2d) Quote/PO # (If Applicable): 1490716

FOR LAB USE ONLY ↓
Batch # ACT3518

Check If Contingent ===>

Matrix Codes
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

7) Analysis Request

<===Check If Contingent

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	VOC 8260B	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
023	152140-MW-1S (offsite)	GW	07.17.13	1428		X	X					3				
024	152140-MW-1D (offsite)	GW	07.17.13	1430		X	X					3				
025/026/027	152140-DDC-5-PS	GW	07.17.13	1142		X	X					9				MS/MSD
028	152140-DDC-5-PD	GW	07.17.13	1142		X	X					3				
029	DUP071713	GW	—	—		X	X					3				
030	152140-MW-3S (offsite)	GW	07.17.13	1017		X	X					3				
031	152140-MW-3D (offsite)	GW	07.17.13	1025		X	X					3				
032	152140-DDC-6-PS	GW	07.17.13	0935		X	X					3				
033	152140-DDC-6-PD	GW	07.17.13	0927		X	X					3				
034	TB															

10) Relinquished by:	Accepted by:	Date	Time
Robert Peterson	FedEx	07/18/13	1245
		7/19/13	0850

Comments, Notes, Special Requirements, HAZARDS

Note: Check if low-level groundwater methods required to meet current standards in NJ or PA:
- ☐ BN or BNA (8270C SIM)
- ☐ VOC (8260B SIM or 8011)
- ☐ Metals (ICP-MS 200.8 or 6020)
- ☐ Metals-Soil (ICP-MS 6020 for Be & Ag)

Note: Check if applicable:
- ☐ Project-Specific Reporting Limits
- ☐ High Contaminant Concentrations
- ☐ NJ LSRP Project

Cooler Temperature: 2.3

11) Sampler (print name): Rob Peterson Date: 07/18/13

Additional Notes

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CHAIN OF CUSTODY RECORD

A Women-Owned, Disadvantaged, Small Business Enterprise

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124

Project# (Lab Use Only): 3071902

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
24 Hours (100%)	Data Summary	Hazsite/CSV
48 Hours (75%)	Waste	EQuIS 4-File / EZ / NYS
72 Hours (50%)	Red - NJ / NY / PA	EQuIS EPA Region 2 or 5
4 Days (35%; TPH)	CLP	Excel - NJ Regulatory
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10 Days (10%)	Category A	Excel - PA Regulatory
2 Weeks	Other:	PDF
Other:		Other:

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2b) Project Mgr: Jim Hayward
2c) Project Location (City/State): Babylon, NY
2d) Quote/PO # (If Applicable): 1490716

FOR LAB USE ONLY ↓

Batch # ACT3518

Check If Contingent ===>

Matrix Codes
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

7) Analysis Request

<=== Check If Contingent

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	VOC 8260B	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
~~034~~ 035	152140-DDC-7-PS	GW	07-18-13			X	X					3				
~~035~~ 036	152140-DDC-7-PD	GW	07-18-13			X	X					3				
~~036~~ 037	152140-DDC-8-PS	GW	07-18-13			X	X					3				
~~037~~ 038	152140-DDC-8-PD	GW	07-18-13			X	X					3				
~~038~~ 039	152140-DDC-8-PS	GW	07-18-13			X	X					3				
~~039~~ 040	152140-DDC-9-PD	GW	07-18-13			X	X					3				
040	152140-DDC-10-PS	GW	07-18-13			X	X					3				
041	152140-DDC-10-PD	GW	07-18-13			X	X					3				
042	Trip Blank	GW	—				X					3				

10) Relinquished by:	Accepted by:	Date	Time
Rob Peterson	FedEx	07/18/13	1245
		7/19/13	0930

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Note: Check if low-level groundwater methods required to meet current standards in NJ or PA:
- ☐ BN or BNA (8270C SIM)
- ☐ VOC (8260B SIM or 8011)
- ☐ Metals (ICP-MS 200.8 or 6020)
- ☐ Metals-Soil (ICP-MS 6020 for Be & Ag)

Note: Check if applicable:
- ☐ Project-Specific Reporting Limits
- ☐ High Contaminant Concentrations
- ☐ NJ LSRP Project

Cooler Temperature: 2.3

11) Sampler (print name): Rob Peterson Date: 07-18-13

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.