MACTEC

engineering and constructing a better tomorrow

March 6, 2014

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

Subject: **Waste Acid Pit Direct Push Investigation**
AL Tech Specialty Steel (NYSDEC Site 401003)
MACTEC Engineering and Consulting, P.C., Project No. 3612112222

Dear Mr. Beilby:

MACTEC Engineering and Consulting, P.C., (MACTEC), is providing this letter report for the sampling activities conducted at the AL Tech Specialty Steel (Site No. 401003) associated with the Main Plant Area Waste Acid Pit soils evaluation conducted and flooded basement of a building located near the Pickle House.

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

Field activities were conducted in accordance with the Final Field Activities Plan: Waste Acid Pit Investigation dated September 19, 2013 with the following objectives:

- Waste Acid Pit Direct Push Investigation- Collect direct push soil samples in the vicinity of the former Waste Acid Pit to characterize the soil in this area. Data from this investigation will be used by the NYSDEC to support a Statement of Basis for determining if no further action is recommended at this portion of the site.
- Basement water sample- Collect a sample of water from the basement of a structure adjacent to the Pickle House to characterize the water. The data will be used by the NYSDEC to evaluate disposal options for the water.

Waste Acid Pit Direct Push Investigation

The former Waste Acid Pit Area shown on Figure 1 is located at the north end of the Extrusion Building and Pickle House. To augment data obtained during a 2012 subsurface investigation conducted by NYSDEC a direct push sampling program was completed at approximately the same locations as the previous investigation (See attached Figure 1). The purpose of this investigation was to provide additional data that would complete the full suite analysis for soils located in the Waste Acid Pit Area. This included collection of soil samples for: volatile organic compound (VOC), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), pesticides, hexavalent chromium and pH. Target analyte metals (TAL) and TCLP/SPLP data from the 2012 investigation is included in this report as Attachment 1.

On October 2-3, 2013 MACTEC oversaw soil borings conducted by Precision Environmental Services (PES). PES utilized a geoprobe direct push drill rig equipped with a four foot Macrocore sampler to collect soil samples. Direct-push drilling was performed at 11 locations (DP-10-DP-20) as shown on Figure 1. To be consistent with the NYSDEC investigation conducted in 2012 each boring was advanced to a total depth of approximately 16 ft below ground surface (bgs) and continuous soil samples were collected to characterize soil conditions and stratigraphy. Soils were logged using the Unified Soil Classification System; field data records can be found in Attachment 2. Two soil samples were collected from each direct push boring. One sample was collected from above the water table; the sample interval was selected based on photoionization detector readings, visual observations and/or olfactory observations. The second sample was collected from below the water table (which ranges from 8 to 12 feet bgs across the area) at 16 feet. The locations of direct push soil borings were surveyed by Prudent Engineering on October 30, 2013.

Soil samples were collected and submitted to Spectrum Analytical of RI under chain of custody control for analysis. At location DP-16 soil at 16 feet bgs was observed which was apparently saturated with a petroleum product; therefore a sample was collected for petroleum fingerprinting utilizing United States Environmental Protection Agency (USEPA) Method 8015D.

Analytical results are provided as follows:

- Table 1 - Analytical data summary of detected compounds compared to Soil Cleanup Objectives (SCOs).

- Attachment 3 -Data Usability Summary Report (DUSR)
- Attachment 4 – Tabulated analytical results.
- Attachment 5 - Results of the petroleum fingerprint analysis.

Metals results from the 2012 PES investigation are provided in Attachment 1.

Basement Water Sampling

The basement of a structure located adjacent to the Pickle House extends ten to twenty feet bgs and has been flooded with water which may be groundwater and/or surface water runoff. On October 3, 2013 a sample (CL-01) was collected from the flooded basement from approximately 10 feet below the water surface using weighted tubing and a geopump. This sample was collected to evaluate water quality and, if necessary, disposal options. The sample was analyzed for VOCs, SVOCs, pesticides, PCBs, metals plus Molybdenum, hexavalent chromium, and pH. Results from this sample are shown on Table 2. The location of the structure and sample is shown on Figure 1. The basement sample location was surveyed using a global positioning system receiver capable of sub meter accuracy.

Findings

The results of the soil boring investigation conducted in the vicinity of the Waste Acid Pits show:

Waste Acid Pit:

- Three contaminants (benzo(a)anthracene, chrysene and hexavalent chromium) exceeding the residential SCO in three of the 11 soil borings.
- SVOC quantitation limits for several SVOCs were observed higher than their SCOs due to laboratory limitations.
- Metals results from the PES sampling conducted in 2012 show chromium and nickel exceeded the SCOs for all three scenarios (residential, commercial and industrial).
- Results from the petroleum finger print sample (DP-16) indicate the observed product is likely number 2 fuel oil.

Basement Water Sample:

- The water sample from the building basement showed detections of several metals including nickel and selenium exceeding the GA criteria.

Please feel free to contact us if you have any questions.

Sincerely,

MACTEC Engineering and Consulting, P.C.

Jayme P. Connolly
Project Manager

John Peterson
Principal Professional

Enclosures (5)

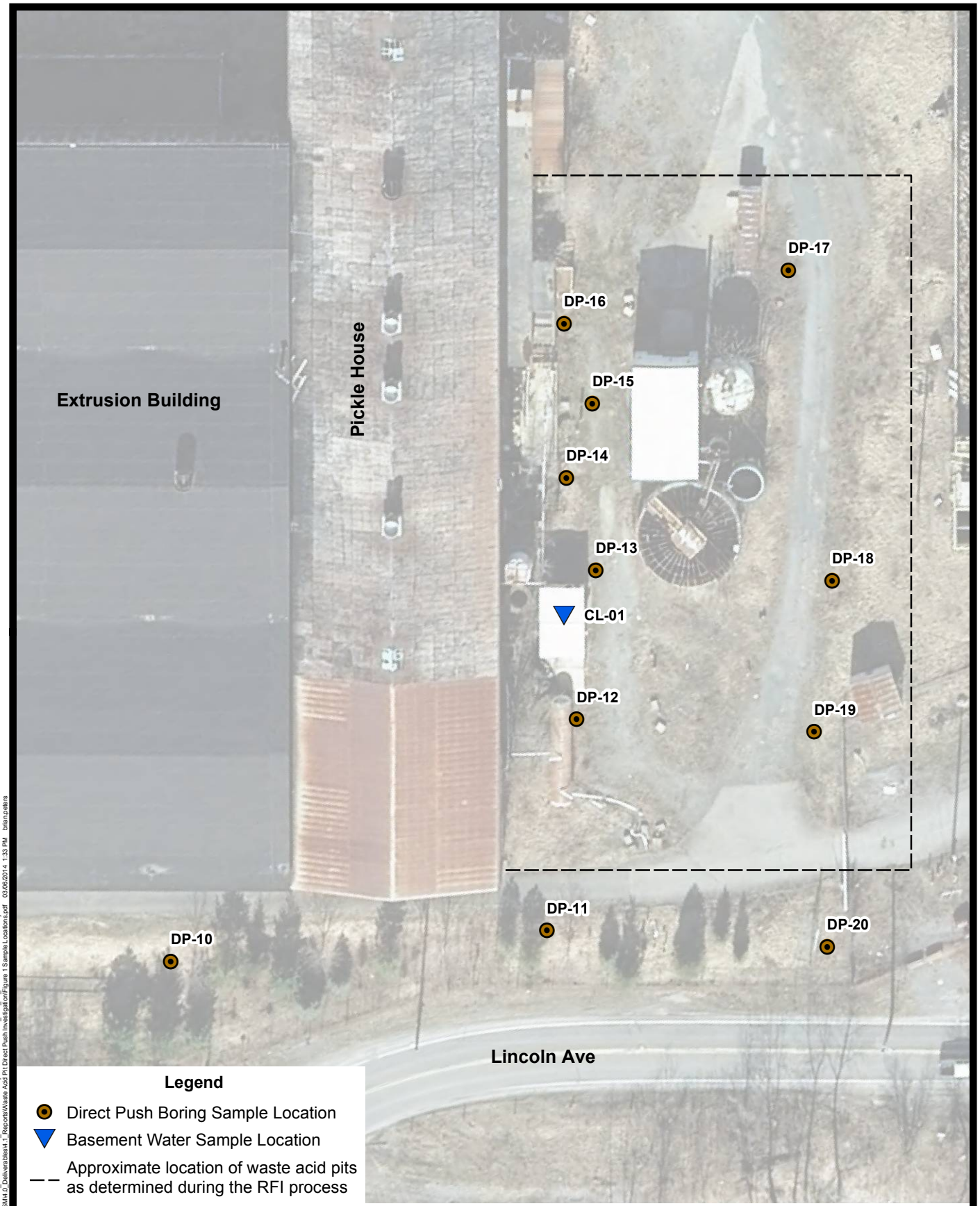
Attachment 1: Metals Results – PES 2012

Attachment 2: Field Data Records

Attachment 3: DUSR

Attachment 4: Table of Analytical Results Compared to SCOs

Attachment 5: Petroleum Fingerprint Analysis Results



Legend

- Direct Push Boring Sample Location
- Basement Water Sample Location
- Approximate location of waste acid pits as determined during the RFI process

N

0 25 50 Feet

Albany County color digital orthoimagery (2011) obtained from New York State GIS Clearinghouse at: http://www.nysgis.state.ny.us

Prepared/Date: BRP 03/06/14
Checked/Date: JMF 03/06/14

Al Tech Specialty Steel
Colonie, New York

MACTEC

Waste Acid Pits
Sample Locations
Project 3612112222 Figure 1

Document: P:\Projects
ysdec1\Contract D007619\Projects\Al Tech - SM4.0_Deliverables\4.5_Databases\GIS Map Documents\Waste_Acid_Pit_8x11P.mxd PDF: P:\Projects
ysdec1\Contract D007619\Projects\Al Tech - SM4.0_Deliverables\4.1_Reports\Waste Acid Pit Direct Push Investigation\Figure 1 Sample Locations.pdf 03/06/2014 1:33 PM brian.peters

Table 1: Waste Acid Pit Soil Sample Results Summary

				Location	DP-10		DP-10		DP-10		DP-11		DP-11	
				Sample ID	401003-DP010008		401003-DP010008D		401003-DP010016		401003-DP011008		401003-DP011016	
				Sample Date	10/2/2013		10/2/2013		10/2/2013		10/2/2013		10/2/2013	
				Media	SOIL		SOIL		SOIL		SOIL		SOIL	
				Qc Code	FS		FD		FS		FS		FS	
				Depth (ft)	8		8		16		8		16	
Parameter	**Res**	**Com**	**Ind**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
VOCs by USEPA Method 8260														
1,2-Dibromo-3-chloropropane	NA	NA	NA	MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U
2-Butanone	100	500	1000	MG/KG		R		R		R		R		R
Acetone	100	500	1000	MG/KG		R		R	0.0048	UJ		R		R
Benzene	2.9	44	89	MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U
Carbon disulfide	NA	NA	NA	MG/KG	0.0032	J	0.0087	U	0.0048	UJ	0.0055	U	0.0049	U
Ethyl benzene	30	390	780	MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U
Isopropylbenzene	NA	NA	NA	MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U
Methyl cyclohexane	NA	NA	NA	MG/KG	0.0071	UJ	0.0087	UJ	0.0048	U	0.0055	UJ	0.0049	UJ
Tetrachloroethene	5.5	150	300	MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U
Toluene	100	500	1000	MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U
Xylene, o	100	500	1,000	MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U
Xylenes (m&p)	100	500	1000	MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U
Xylenes, Total	100	500	1000	MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U
SVOCs by USEPA Method 8270														
2-Methylnaphthalene	NA	NA	NA	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U
4,6-Dinitro-2-methylphenol	NA	NA	NA	MG/KG	0.76	UJ	0.79	UJ	0.76	UJ	0.44	J	0.75	UJ
Acenaphthene	100	500	1000	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U
Anthracene	100	500	1,000	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U
Benzo(a)anthracene	1	5.6	11	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U
Benzo(a)pyrene	1	1	1.1	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U
Benzo(b)fluoranthene	1	5.6	11	MG/KG	0.37	U	0.39	U	0.37	U	0.097	J	0.37	U
Benzo(ghi)perylene	100	500	1,000	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U
Benzo(k)fluoranthene	1	56	110	MG/KG	0.37	UJ	0.39	UJ	0.37	U	0.37	UJ	0.37	U
Bis(2-Ethylhexyl)phthalate	NA	NA	NA	MG/KG	0.37	U	0.39	U	0.37	U	0.089	J	0.075	J
Carbazole	NA	NA	NA	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U
Chrysene	1	56	110	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U
Di-n-butylphthalate	NA	NA	NA	MG/KG	0.13	J	0.085	J	0.37	U	0.37	U	0.37	U
Dibenz(a,h)anthracene	0.33	0.56	1.1	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U
Dibenzofuran	14	350	1000	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U
Fluoranthene	100	500	1,000	MG/KG	0.37	U	0.39	U	0.37	U	0.095	J	0.37	U
Fluorene	100	500	1000	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U
Indeno(1,2,3-cd)pyrene	0.5	5.6	11	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U
Naphthalene	100	500	1000	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U
Pentachlorophenol	2.4	6.7	55	MG/KG	0.76	UJ	0.79	UJ	0.76	UJ	0.73	J	0.21	J
Phenanthrene	100	500	1,000	MG/KG	0.095	J	0.094	J	0.37	U	0.075	J	0.37	U
Pyrene	100	500	1000	MG/KG	0.37	U	0.39	U	0.37	U	0.1	J	0.37	U
Pesticides by USEPA Method 8081														
Endosulfan sulfate	4.8	200	920	MG/KG	0.0038	UJ	0.0039	UJ	0.0038	U	0.006	UJ	0.0038	UJ
Poly Chlorinated Biphenyls (PCBs) by USEPA Method 8082														
Aroclor-1248	1	1	25	MG/KG	0.038	U	0.039	U	0.038	U	0.037	U	0.038	U
Aroclor-1260	1	1	25	MG/KG	0.038	U	0.039	U	0.038	U	0.039		0.038	U
Hexavalent Chromium by USEPA Method 7199														
Chromium, Hexavalent	22	400	800	MG/KG	0.12	J	2.3		0.66		9.05		0.3	J
Extractable Total Petroleum Hydrocarbons (ETPH) by USEPA Method 8015D														
ETPH	NA	NA	NA	MG/KG										
pH by USEPA Method 4500														
pH	NA	NA	NA	PH UNITS	8.5		8.1		8.6		7.3		7.3	
% Moisture by USEPA Method ASTMD2216														
Percent Moisture	NA	NA	NA	PERCENT	15		16		14		12		13	

Notes:
FS= field sample; FD=field duplicate
mg/Kg = milligram per kilogram
ft= feet
NA- not applicable
Blank cells indicate that sample was not analyzed for that parameter
Shaded cells indicate that compound exceeded the residential criteria

Qualifiers:
U= not detected at detection limit
J= estimated
R= result is rejected

Criteria:
NYSDEC Part 375 Soil Cleanup Objectives
Res= residential scenario
Com= commercial scenario
Ind= industrial scemario

Table 1: Waste Acid Pit Soil Sample Results Summary

				Location	DP-12		DP-12		DP-13		DP-13		DP-14	
				Sample ID	401003-DP012004		401003-DP012016		401003-DP013008		401003-DP013016		401003-DP014004	
				Sample Date	10/2/2013		10/2/2013		10/2/2013		10/2/2013		10/2/2013	
				Media	SOIL		SOIL		SOIL		SOIL		SOIL	
				Qc Code	FS		FS		FS		FS		FS	
				Depth (ft)	4		16		8		16		4	
Parameter	**Res**	**Com**	**Ind**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
VOCs by USEPA Method 8260														
1,2-Dibromo-3-chloropropane	NA	NA	NA	MG/KG	0.0051	U	0.058	U	0.0045	U	0.055	U	0.0055	U
2-Butanone	100	500	1000	MG/KG		R		R		R		R		R
Acetone	100	500	1000	MG/KG		R	0.29	U	0.0045	U	0.28	U	0.0055	U
Benzene	2.9	44	89	MG/KG	0.0051	U	0.058	U	0.0045	U	0.055	U	0.0055	U
Carbon disulfide	NA	NA	NA	MG/KG	0.0051	U	0.058	U	0.0045	U	0.055	U	0.0055	U
Ethyl benzene	30	390	780	MG/KG	0.0051	U	0.058	U	0.0045	U	0.055	U	0.0055	U
Isopropylbenzene	NA	NA	NA	MG/KG	0.0051	U	1.2		0.0045	U	0.75		0.0055	U
Methyl cyclohexane	NA	NA	NA	MG/KG	0.0051	UJ	0.17		0.0045	U	0.17		0.0055	U
Tetrachloroethene	5.5	150	300	MG/KG	0.0051	U	0.058	U	0.0045	U	0.055	U	0.0055	U
Toluene	100	500	1000	MG/KG	0.0051	U	0.058	U	0.0045	U	0.055	U	0.0055	U
Xylene, o	100	500	1,000	MG/KG	0.0051	U	0.058	U	0.0045	U	0.055	U	0.0055	U
Xylenes (m&p)	100	500	1000	MG/KG	0.0051	U	0.058	U	0.0045	U	0.055	U	0.0055	U
Xylenes, Total	100	500	1000	MG/KG	0.0051	U	0.058	U	0.0045	U	0.055	U	0.0055	U
SVOCs by USEPA Method 8270														
2-Methylnaphthalene	NA	NA	NA	MG/KG	0.37	U		R	0.38	U	2.3		0.35	U
4,6-Dinitro-2-methylphenol	NA	NA	NA	MG/KG	0.75	UJ		R	0.78	UJ	0.75	UJ	0.71	UJ
Acenaphthene	100	500	1000	MG/KG	0.37	U		R	0.38	U	0.37	UJ	0.35	U
Anthracene	100	500	1,000	MG/KG	0.37	U		R	0.38	U	0.37	UJ	0.35	U
Benzo(a)anthracene	1	5.6	11	MG/KG	0.16	J		R	0.38	U	0.37	UJ	0.35	U
Benzo(a)pyrene	1	1	1.1	MG/KG	0.17	J		R	0.38	U	0.37	UJ	0.35	U
Benzo(b)fluoranthene	1	5.6	11	MG/KG	0.21	J		R	0.38	U	0.37	UJ	0.35	U
Benzo(ghi)perylene	100	500	1,000	MG/KG	0.12	J		R	0.38	U	0.37	UJ	0.35	U
Benzo(k)fluoranthene	1	56	110	MG/KG	0.15	J		R	0.38	UJ	0.37	UJ	0.35	UJ
Bis(2-Ethylhexyl)phthalate	NA	NA	NA	MG/KG	0.37	U		R	0.38	U	0.14	J	0.13	J
Carbazole	NA	NA	NA	MG/KG	0.37	U		R	0.38	U	0.37	UJ	0.35	U
Chrysene	1	56	110	MG/KG	0.22	J		R	0.38	U	0.37	UJ	0.35	U
Di-n-butylphthalate	NA	NA	NA	MG/KG	0.37	U		R	0.38	U	0.37	UJ	0.35	U
Dibenz(a,h)anthracene	0.33	0.56	1.1	MG/KG	0.37	U		R	0.38	U	0.37	UJ	0.35	U
Dibenzofuran	14	350	1000	MG/KG	0.37	U		R	0.38	U	0.37	UJ	0.35	U
Fluoranthene	100	500	1,000	MG/KG	0.29	J		R	0.13	J	0.37	UJ	0.098	J
Fluorene	100	500	1000	MG/KG	0.37	U		R	0.38	U	0.37	UJ	0.35	U
Indeno(1,2,3-cd)pyrene	0.5	5.6	11	MG/KG	0.11	J		R	0.38	U	0.37	UJ	0.35	U
Naphthalene	100	500	1000	MG/KG	0.37	U		R	0.095	J	0.37	UJ	0.35	U
Pentachlorophenol	2.4	6.7	55	MG/KG	0.75	U		R	0.78	UJ	0.75	UJ	0.71	UJ
Phenanthrene	100	500	1,000	MG/KG	0.22	J		R	0.18	J	0.37	UJ	0.35	U
Pyrene	100	500	1000	MG/KG	0.26	J		R	0.12	J	0.68		0.08	J
Pesticides by USEPA Method 8081														
Endosulfan sulfate	4.8	200	920	MG/KG	0.0037	UJ	0.0038	UJ	0.0039	UJ	0.0037	UJ	0.0058	UJ
Poly Chlorinated Biphenyls (PCBs) by USEPA Method 8082														
Aroclor-1248	1	1	25	MG/KG	0.037	U	0.038	U	0.039	U	0.037	U	0.081	
Aroclor-1260	1	1	25	MG/KG	0.017	NJ	0.038	U	0.039	U	0.037	U	0.039	J
Hexavalent Chromium by USEPA Method 7199														
Chromium, Hexavalent	22	400	800	MG/KG	3.69		0.47	U	5.2		0.46	U	15.8	
Extractable Total Petroleum Hydrocarbons (ETPH) by USEPA Method														
ETPH	NA	NA	NA	MG/KG										
pH by USEPA Method 4500														
pH	NA	NA	NA	PH UNITS	7.7		7.3		7.9		6.8		7.5	
% Moisture by USEPA Method ASTMD2216														
Percent Moisture	NA	NA	NA	PERCENT	12		14		16		12		7.3	J

Notes:
FS= field sample; FD=field duplicate
mg/Kg = milligram per kilogram
ft= feet
NA- not applicable
Blank cells indicate that sample was not analyzed for that parameter
Shaded cells indicate that compound exceeded the residential criteria

Qualifiers:
U= not detected at detection limit
J= estimated
R= result is rejected

Criteria:
NYSDEC Part 375 Soil Cleanup Objectives
Res= residential scenario
Com= commercial scenario
Ind= industrial scemario

Table 1: Waste Acid Pit Soil Sample Results Summary

				Location	DP-14		DP-15		DP-15		DP-16		DP-16	
				Sample ID	401003-DP014016		401003-DP015004		401003-DP015016		401003-DP016008		401003-DP016016	
				Sample Date	10/2/2013		10/3/2013		10/3/2013		10/3/2013		10/3/2013	
				Media	SOIL		SOIL		SOIL		SOIL		SOIL	
				Qc Code	FS		FS		FS		FS		FS	
				Depth (ft)	16		4		16		8		16	
Parameter	**Res**	**Com**	**Ind**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
VOCs by USEPA Method 8260														
1,2-Dibromo-3-chloropropane	NA	NA	NA	MG/KG	0.0049	UJ	0.0062	U	0.05	U	0.0052	U	0.061	U
2-Butanone	100	500	1000	MG/KG	0.0093	J		R		R		R		R
Acetone	100	500	1000	MG/KG	0.031	J	0.0062	U	0.25	U	0.0052	U		R
Benzene	2.9	44	89	MG/KG	0.0049	U	0.0062	U	0.05	U	0.0052	U	0.061	U
Carbon disulfide	NA	NA	NA	MG/KG	0.0049	U	0.0062	U	0.05	U	0.0052	U	0.061	U
Ethyl benzene	30	390	780	MG/KG	0.0039	J	0.0062	U	0.05	U	0.0052	U	0.061	U
Isopropylbenzene	NA	NA	NA	MG/KG	0.049	J	0.0062	U	0.47		0.0052	U	0.048	J
Methyl cyclohexane	NA	NA	NA	MG/KG	0.026	J	0.0062	U	0.1		0.0052	U	0.061	U
Tetrachloroethene	5.5	150	300	MG/KG	0.0031	J	0.0062	U	0.05	U	0.0052	U	0.061	U
Toluene	100	500	1000	MG/KG	0.0049	U	0.0062	U	0.05	U	0.0052	U	0.061	U
Xylene, o	100	500	1,000	MG/KG	0.01	J	0.0062	U	0.05	U	0.0052	U	0.061	UJ
Xylenes (m&p)	100	500	1000	MG/KG	0.0097	J	0.0062	U	0.05	U	0.0052	U	0.061	U
Xylenes, Total	100	500	1000	MG/KG	0.02	J	0.0062	U	0.05	U	0.0052	U	0.061	U
SVOCs by USEPA Method 8270														
2-Methylnaphthalene	NA	NA	NA	MG/KG	0.37	U	0.35	U	0.36	U	0.38	U	26	
4,6-Dinitro-2-methylphenol	NA	NA	NA	MG/KG	0.76	UJ	0.71	UJ	0.73	UJ	0.78	UJ	8.2	U
Acenaphthene	100	500	1000	MG/KG	0.37	U	0.35	U	0.36	U	0.38	U	4	U
Anthracene	100	500	1,000	MG/KG	0.37	U	0.35	U	0.18	J	0.38	U	1	J
Benzo(a)anthracene	1	5.6	11	MG/KG	0.37	U	0.35	U	0.36	U	0.38	U	4	U
Benzo(a)pyrene	1	1	1.1	MG/KG	0.37	U	0.35	U	0.36	U	0.38	U	4	U
Benzo(b)fluoranthene	1	5.6	11	MG/KG	0.37	U	0.35	U	0.36	U	0.38	U	4	U
Benzo(ghi)perylene	100	500	1,000	MG/KG	0.37	U	0.35	U	0.36	U	0.38	U	4	U
Benzo(k)fluoranthene	1	56	110	MG/KG	0.37	UJ	0.35	UJ	0.36	UJ	0.38	U	4	U
Bis(2-Ethylhexyl)phthalate	NA	NA	NA	MG/KG	0.16		0.35	U	0.085	J	0.38	U	4	U
Carbazole	NA	NA	NA	MG/KG	0.37	U	0.35	U	0.36	U	0.38	U	4	U
Chrysene	1	56	110	MG/KG	0.37	U	0.35	U	0.36	U	0.38	U	4	U
Di-n-butylphthalate	NA	NA	NA	MG/KG	0.37	U	0.35	U	0.36	U	0.38	U	4	U
Dibenz(a,h)anthracene	0.33	0.56	1.1	MG/KG	0.37	U	0.35	U	0.36	U	0.38	U	4	U
Dibenzofuran	14	350	1000	MG/KG	0.37	U	0.35	U	0.36	U	0.38	U	4	U
Fluoranthene	100	500	1,000	MG/KG	0.37	U	0.35	U	0.36	U	0.38	U	4	U
Fluorene	100	500	1000	MG/KG	0.37	U	0.35	U	0.82		0.38	U	5.2	
Indeno(1,2,3-cd)pyrene	0.5	5.6	11	MG/KG	0.37	U	0.35	U	0.36	U	0.38	U	4	U
Naphthalene	100	500	1000	MG/KG	0.37	U	0.35	U	0.36	U	0.38	U	1.9	J
Pentachlorophenol	2.4	6.7	55	MG/KG	0.76	UJ	0.71	U	0.73	U	0.78	UJ	8.2	U
Phenanthrene	100	500	1,000	MG/KG	1.3		0.35	U	1		0.38	U	10	
Pyrene	100	500	1000	MG/KG	0.15		0.35	U	0.36	U	0.38	U	4	U
Pesticides by USEPA Method 8081														
Endosulfan sulfate	4.8	200	920	MG/KG	0.0037	UJ	0.0035	UJ	0.0037	UJ	0.0039	UJ	0.0041	UJ
Poly Chlorinated Biphenyls (PCBs) by USEPA Method 8082														
Aroclor-1248	1	1	25	MG/KG	0.037	U	0.035	U	0.037	U	0.039	U	0.041	U
Aroclor-1260	1	1	25	MG/KG	0.037	U	0.035	U	0.037	U	0.039	U	0.041	U
Hexavalent Chromium by USEPA Method 7199														
Chromium, Hexavalent	22	400	800	MG/KG	**65.2**		5.99		0.46	U	**34.9**		0.81	
Extractable Total Petroleum Hydrocarbons (ETPH) by USEPA Method														
ETPH	NA	NA	NA	MG/KG									13000	
pH by USEPA Method 4500														
pH	NA	NA	NA	PH UNITS	7.3		7.9		7.6		7.5		7	
% Moisture by USEPA Method ASTMD2216														
Percent Moisture	NA	NA	NA	PERCENT	12		6.7	J	11		15		19	

Notes:
FS= field sample; FD=field duplicate
mg/Kg = milligram per kilogram
ft= feet
NA- not applicable
Blank cells indicate that sample was not analyzed for that parameter
Shaded cells indicate that compound exceeded the residential criteria

Qualifiers:
U= not detected at detection limit
J= estimated
R= result is rejected

Criteria:
NYSDEC Part 375 Soil Cleanup Objectives
Res= residential scenario
Com= commercial scenario
Ind= industrial scemario

Table 1: Waste Acid Pit Soil Sample Results Summary

				Location	DP-17		DP-17		DP-18		DP-18		DP-19	
				Sample ID	401003-DP017008		401003-DP017016		401003-DP018004		401003-DP018016		401003-DP019008	
				Sample Date	10/3/2013		10/3/2013		10/3/2013		10/3/2013		10/3/2013	
				Media	SOIL		SOIL		SOIL		SOIL		SOIL	
				Qc Code	FS		FS		FS		FS		FS	
				Depth (ft)	8		16		4		16		8	
Parameter	**Res**	**Com**	**Ind**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
VOCs by USEPA Method 8260														
1,2-Dibromo-3-chloropropane	NA	NA	NA	MG/KG	0.0047	U	0.55		0.0037	U	0.038	U	0.0033	U
2-Butanone	100	500	1000	MG/KG		R		R		R		R		R
Acetone	100	500	1000	MG/KG	0.0047	U		R	0.0037	U		R	0.0033	U
Benzene	2.9	44	89	MG/KG	0.0047	U	0.049	U	0.0037	U	0.042		0.0033	U
Carbon disulfide	NA	NA	NA	MG/KG	0.0047	U	0.049	U	0.0037	U	0.038	U	0.0033	U
Ethyl benzene	30	390	780	MG/KG	0.0047	U	0.049	U	0.0037	U	0.12		0.0033	U
Isopropylbenzene	NA	NA	NA	MG/KG	0.0047	U	0.52		0.0037	U	0.5		0.0033	U
Methyl cyclohexane	NA	NA	NA	MG/KG	0.0047	U	0.21		0.0037	U	0.36		0.0033	U
Tetrachloroethene	5.5	150	300	MG/KG	0.0047	U	0.049	U	0.0037	U	0.038	U	0.0033	U
Toluene	100	500	1000	MG/KG	0.0047	U	0.049	U	0.0037	U	0.046		0.0033	U
Xylene, o	100	500	1,000	MG/KG	0.0047	U	0.049	UJ	0.0037	U	0.058	J	0.0033	U
Xylenes (m&p)	100	500	1000	MG/KG	0.0047	U	0.049	U	0.0037	U	0.13		0.0033	U
Xylenes, Total	100	500	1000	MG/KG	0.0047	U	0.049	U	0.0037	U	0.19		0.0033	U
SVOCs by USEPA Method 8270														
2-Methylnaphthalene	NA	NA	NA	MG/KG	0.38	U	0.37	U	0.082	J	0.38	U	0.37	U
4,6-Dinitro-2-methylphenol	NA	NA	NA	MG/KG	0.77	UJ	0.76	UJ	0.75	UJ	0.77	UJ	0.74	UJ
Acenaphthene	100	500	1000	MG/KG	0.38	U	0.37	U	0.37		0.38	U	0.37	U
Anthracene	100	500	1,000	MG/KG	0.38	U	0.37	U	0.74		0.38	U	0.37	U
Benzo(a)anthracene	1	5.6	11	MG/KG	0.38	U	0.37	U	**1.1**		0.38	U	0.37	U
Benzo(a)pyrene	1	1	1.1	MG/KG	0.38	U	0.37	U	0.6		0.38	U	0.37	U
Benzo(b)fluoranthene	1	5.6	11	MG/KG	0.38	U	0.37	U	0.93		0.38	U	0.37	U
Benzo(ghi)perylene	100	500	1,000	MG/KG	0.38	U	0.37	U	0.17	J	0.38	U	0.37	U
Benzo(k)fluoranthene	1	56	110	MG/KG	0.38	U	0.37	UJ	0.7	J	0.38	UJ	0.37	UJ
Bis(2-Ethylhexyl)phthalate	NA	NA	NA	MG/KG	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U
Carbazole	NA	NA	NA	MG/KG	0.38	U	0.37	U	0.35	J	0.38	U	0.37	U
Chrysene	1	56	110	MG/KG	0.38	U	0.37	U	**1.1**		0.38	U	0.37	U
Di-n-butylphthalate	NA	NA	NA	MG/KG	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U
Dibenz(a,h)anthracene	0.33	0.56	1.1	MG/KG	0.38	U	0.37	U	0.11	J	0.38	U	0.37	U
Dibenzofuran	14	350	1000	MG/KG	0.38	U	0.37	U	0.26	J	0.38	U	0.37	U
Fluoranthene	100	500	1,000	MG/KG	0.38	U	0.37	U	2.6		0.38	U	0.1	J
Fluorene	100	500	1000	MG/KG	0.38	U	1.3		0.5		1.6		0.37	U
Indeno(1,2,3-cd)pyrene	0.5	5.6	11	MG/KG	0.38	U	0.37	U	0.45		0.38	U	0.37	U
Naphthalene	100	500	1000	MG/KG	0.38	U	0.37	U	0.22	J	0.38	U	0.37	U
Pentachlorophenol	2.4	6.7	55	MG/KG	0.77	UJ	0.76	U	0.75	U	0.77	UJ	0.74	UJ
Phenanthrene	100	500	1,000	MG/KG	0.38	U	1.3		2.9		1.5		0.12	J
Pyrene	100	500	1000	MG/KG	0.38	U	0.25	J	1.8		0.28	J	0.087	J
Pesticides by USEPA Method 8081														
Endosulfan sulfate	4.8	200	920	MG/KG	0.0038	UJ	0.0038	UJ	0.011	U	0.0039	UJ	0.0038	UJ
Poly Chlorinated Biphenyls (PCBs) by USEPA Method 8082														
Aroclor-1248	1	1	25	MG/KG	0.038	U	0.038	U	0.036	U	0.039	U	0.038	U
Aroclor-1260	1	1	25	MG/KG	0.038	U	0.038	U	0.33		0.018	J	0.038	U
Hexavalent Chromium by USEPA Method 7199														
Chromium, Hexavalent	22	400	800	MG/KG	2.22		0.46	U	9.7		0.46	U	0.56	
Extractable Total Petroleum Hydrocarbons (ETPH) by USEPA Method														
ETPH	NA	NA	NA	MG/KG										
pH by USEPA Method 4500														
pH	NA	NA	NA	PH UNITS	7.5		6.9		8		7		7.8	
% Moisture by USEPA Method ASTMD2216														
Percent Moisture	NA	NA	NA	PERCENT	14		13		11		15		13	

Notes:
FS= field sample; FD=field duplicate
mg/Kg = milligram per kilogram
ft= feet
NA- not applicable
Blank cells indicate that sample was not analyzed for that parameter
Shaded cells indicate that compound exceeded the residential criteria

Qualifiers:
U= not detected at detection limit
J= estimated
R= result is rejected

Criteria:
NYSDEC Part 375 Soil Cleanup Objectives
Res= residential scenario
Com= commercial scenario
Ind= industrial scemario

Table 1: Waste Acid Pit Soil Sample Results Summary

				Location	DP-19		DP-20		DP-20	
				Sample ID	401003-DP019016		401003-DP020008		401003-DP020016	
				Sample Date	10/3/2013		10/3/2013		10/3/2013	
				Media	SOIL		SOIL		SOIL	
				Qc Code	FS		FS		FS	
				Depth (ft)	16		8		16	
Parameter	**Res**	**Com**	**Ind**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier
VOCs by USEPA Method 8260										
1,2-Dibromo-3-chloropropane	NA	NA	NA	MG/KG	0.043	U	0.006	U	0.044	U
2-Butanone	100	500	1000	MG/KG		R	0.043	J		R
Acetone	100	500	1000	MG/KG		R	0.017			R
Benzene	2.9	44	89	MG/KG	0.043	U	0.013		0.044	U
Carbon disulfide	NA	NA	NA	MG/KG	0.043	U	0.006	U	0.044	U
Ethyl benzene	30	390	780	MG/KG	0.043	U	0.006	U	0.044	U
Isopropylbenzene	NA	NA	NA	MG/KG	3.6		0.006	U	0.76	
Methyl cyclohexane	NA	NA	NA	MG/KG	0.58		0.006	U	0.63	
Tetrachloroethene	5.5	150	300	MG/KG	0.043	U	0.006	U	0.044	U
Toluene	100	500	1000	MG/KG	0.043	U	0.006	U	0.044	U
Xylene, o	100	500	1,000	MG/KG	0.043	UJ	0.006	U	0.044	UJ
Xylenes (m&p)	100	500	1000	MG/KG	0.043	U	0.006	U	0.044	U
Xylenes, Total	100	500	1000	MG/KG	0.043	U	0.006	U	0.044	U
SVOCs by USEPA Method 8270										
2-Methylnaphthalene	NA	NA	NA	MG/KG	1.9	U	0.38	U	1.9	U
4,6-Dinitro-2-methylphenol	NA	NA	NA	MG/KG	3.9	U	0.76	UJ	3.9	U
Acenaphthene	100	500	1000	MG/KG	1.9	U	0.38	U	1.9	U
Anthracene	100	500	1,000	MG/KG	1.9	U	0.38	U	1.2	J
Benzo(a)anthracene	1	5.6	11	MG/KG	1.9	U	0.38	U	1.9	U
Benzo(a)pyrene	1	1	1.1	MG/KG	1.9	U	0.38	U	1.9	U
Benzo(b)fluoranthene	1	5.6	11	MG/KG	1.9	U	0.38	U	1.9	U
Benzo(ghi)perylene	100	500	1,000	MG/KG	1.9	U	0.38	U	1.9	U
Benzo(k)fluoranthene	1	56	110	MG/KG	1.9	U	0.38	UJ	1.9	U
Bis(2-Ethylhexyl)phthalate	NA	NA	NA	MG/KG	1.9	U	0.38	U	1.9	U
Carbazole	NA	NA	NA	MG/KG	1.9	U	0.38	U	1.9	U
Chrysene	1	56	110	MG/KG	1.9	U	0.38	U	1.9	U
Di-n-butylphthalate	NA	NA	NA	MG/KG	1.9	U	0.38	U	1.9	U
Dibenz(a,h)anthracene	0.33	0.56	1.1	MG/KG	1.9	U	0.38	U	1.9	U
Dibenzofuran	14	350	1000	MG/KG	1.9	U	0.38	U	1.9	U
Fluoranthene	100	500	1,000	MG/KG	1.9	U	0.38	U	0.69	J
Fluorene	100	500	1000	MG/KG	8.5		0.38	U	4.5	
Indeno(1,2,3-cd)pyrene	0.5	5.6	11	MG/KG	1.9	U	0.38	U	1.9	U
Naphthalene	100	500	1000	MG/KG	1.5	J	0.38	U	1.9	U
Pentachlorophenol	2.4	6.7	55	MG/KG	3.9	UJ	0.76	UJ	3.9	UJ
Phenanthrene	100	500	1,000	MG/KG	20		0.11	J	12	
Pyrene	100	500	1000	MG/KG	1.6	J	0.38	U	0.84	J
Pesticides by USEPA Method 8081										
Endosulfan sulfate	4.8	200	920	MG/KG	0.0039	UJ	0.0064	J	0.0039	U
Poly Chlorinated Biphenyls (PCBs) by USEPA Method 8082										
Aroclor-1248	1	1	25	MG/KG	0.039	U	0.038	U	0.039	U
Aroclor-1260	1	1	25	MG/KG	0.039	U	0.038	U	0.039	U
Hexavalent Chromium by USEPA Method 7199										
Chromium, Hexavalent	22	400	800	MG/KG	0.45	U	3.73		0.45	U
Extractable Total Petroleum Hydrocarbons (ETPH) by USEPA Method										
ETPH	NA	NA	NA	MG/KG						
pH by USEPA Method 4500										
pH	NA	NA	NA	PH UNITS	7.1		8.6		7.5	
% Moisture by USEPA Method ASTMD2216										
Percent Moisture	NA	NA	NA	PERCENT	16		15		16	

Notes:
FS= field sample; FD=field duplicate
mg/Kg = milligram per kilogram
ft= feet
NA- not applicable
Blank cells indicate that sample was not analyzed for that parameter
Shaded cells indicate that compound exceeded the residential criteria

Qualifiers:
U= not detected at detection limit
J= estimated
R= result is rejected

Criteria:
NYSDEC Part 375 Soil Cleanup Objectives
Res= residential scenario
Com= commercial scenario
Ind= industrial scemario

Table 2: Basement Water Analytical Results

Parameter	GA	Location Name	CL-1	
		Sample ID	401003-CL001010	
		Sample Date	10/3/2013	
		Units	Result	Qualifier
Styrene	5	ug/L	1.3	
Di-n-butylphthalate	50	ug/L	2.7	J
Diethylphthalate	50	ug/L	3.2	J
4,4'-DDT	0.2	ug/L	0.11	J
Endosulfan II	NS	ug/L	0.12	J
Endrin aldehyde	5	ug/L	0.12	J
Methoxychlor	35	ug/L	0.58	J
Target Compounds	NS	ug/L	ND	
Aluminum	NS	ug/L	374	
Arsenic	25	ug/L	5	J
Calcium	NS	ug/L	222000	
Cobalt	NS	ug/L	24.1	J
Iron	300	ug/L	**88900**	
Magnesium	35000	ug/L	8040	
Manganese	300	ug/L	**5060**	
Molybdenum	NS	ug/L	7.1	J
Nickel	100	ug/L	**810**	
Potassium	NS	ug/L	24900	
Selenium	10	ug/L	**14.3**	J
Sodium	20000	ug/L	**291000**	
Zinc	2000	ug/L	**2430**	
Chromium, Hexavalent	0.05	mg/L	0.03	U

Notes:
See Figure 2 for location of basement water sample CL-1 from Building 19
GA = NYS Class GA groundwater standard
Shaded cell = exceeds the GA Standard
VOCs by SW8260
SVOCs by 8270
Pesticides by 8081
Metals by 6010
J = estimated value
U = Not detected
NS- No Sample

ATTACHMENT 1

METALS RESULTS – PES 2012

Attachment 1: Summary of Analytical Results for Precision Environmental Services Direct Push Soil Samples

						Sample Name	GWICM BD-01		GWICM SB-01 (1-4')		GWICM SB-01 (10-16'		GWICM SB-02 (12-16'		GWICM SB-02 (4-8')		GWICM SB-03 (1-4')		GWICM SB-03 (12-16'		GWICM SB-04 (10-16'		GWICM SB-04 (4-8')	
						Matrix	SO		SO		SO		SO		SO		SO		SO		SO		SO	
						Sample Date	10/24/2012		10/23/2012		10/23/2012		10/23/2012		10/23/2012		10/23/2012		10/23/2012		10/23/2012		10/23/2012	
Chemical Name	**IND**	**COM**	**GWPROT**	**RESIDENTIAL**	**Unit**		Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
ALUMINUM	NS	NS	NS	NS	mg/kg		8790	B	15900		8930		8840		4670		9160		9910		8270		7130	
ANTIMONY	NS	NS	NS	NS	mg/kg		19	U	29.2	J	18.1	U	16	U	57.6	J	16.2	U	18.4	U	15.2	U	148	J
ARSENIC	16	16	16	16	mg/kg		6.2		7.8		5.3		4.3		**73.5**		11.7		4.1		6.7		24.4	U
BARIUM	10000	400	820	350	mg/kg		51	B	149		42.3		44.3		65.4		186		41.9		42.7		50.4	
BERYLLIUM	2700	590	47	14	mg/kg		0.51		0.37		0.48		0.45		0.35		0.51		0.46		0.29		0.29	
CADMIUM	60	9.3	7.5	2.5	mg/kg		0.056	J	0.26		0.24	U	0.21	U	2.3	U	0.41		0.49	U	1	U	0.24	U
CALCIUM	NS	NS	NS	NS	mg/kg		1420	B	74700	B	953	B	1280	B	8170	B	19500	B	1890	B	5100	B	5950	B
CHROMIUM, TOTAL	800	400	19	22	mg/kg		**1800**		**5490**		11.5		**23.1**		**15200**		**2890**		**257**		**2650**		**30200**	
COBALT	NS	NS	NS	NS	mg/kg		51.1		513		8.6		10.1		158		90.3		16		52.4		497	
COPPER	10000	270	1720	270	mg/kg		45.9	B	171		19.8		23.8		220		119		21.7		47.4		**379**	
IRON	NS	NS	NS	NS	mg/kg		33000	B	43100	B	20900	B	19400	B	114000	B	41900	B	21700	B	35000	B	204000	B
LEAD	3900	1000	450	400	mg/kg		11.4		53.7		9.6		10.2		86.2		60.5		10.1		12.8		63.6	
MAGNESIUM	NS	NS	NS	NS	mg/kg		3530	B	13300	B	5130	B	4640	B	2120	B	3500	B	4040	B	3480	B	2430	B
MANGANESE	10000	10000	2000	2000	mg/kg		464	B	**2600**	B	792	B	576	B	955	B	633	B	338	B	260	B	1560	B
NICKEL	10000	310	130	140	mg/kg		**1670**		**4140**		18		87.3		**11200**		**3180**		**408**		**2830**		**22000**	
POTASSIUM	NS	NS	NS	NS	mg/kg		900		779		831		896		521		1030		964		756		783	
SELENIUM	6800	1500	4	36	mg/kg		**4.8**	J	**9.6**	B	1.7	BJ	0.96	BJ	**18.3**	B	**8.3**	B	1.5	BJ	**5.1**	B	**42.6**	B
SODIUM	NS	NS	NS	NS	mg/kg		89.4	BJ	449	B	60.2	BJ	57.6	BJ	120	BJ	104	BJ	44.1	BJ	47.3	BJ	132	BJ
THALLIUM	NS	NS	NS	NS	mg/kg		0.65	J	4.4	J	0.37	J	6.4	U	4.5	J	1.5	J	7.4	U	0.65	J	13.1	
VANADIUM	NS	NS	NS	NS	mg/kg		19.9		131		14.1		15.1		94.6		42.7		15		20.4		132	
ZINC	10000	10000	2480	2200	mg/kg		48.7	B	73.8	B	46.1	B	48.9	B	68.7	B	75.4	B	50.3	B	45.4	B	89.5	B
ARSENIC (TCLP/SPLP)	NS	NS	NS	NS	mg/l														0.01	U				
BARIUM (TCLP/SPLP)	NS	NS	NS	NS	mg/l														0.36	B				
CADMIUM (TCLP/SPLP)	NS	NS	NS	NS	mg/l														0.016					
CHROMIUM, TOTAL (TCLP/SPLP)	NS	NS	NS	NS	mg/l														0.0034	BJ				
LEAD (TCLP/SPLP)	NS	NS	NS	NS	mg/l														0.025					
SELENIUM (TCLP/SPLP)	NS	NS	NS	NS	mg/l														0.015	U				
MERCURY	5.7	2.8	0.73	0.81	mg/kg		0.012	J	0.025		0.025		0.016	J	0.033		0.15		0.018	J	0.015	J	0.039	
MERCURY (TCLP/SPLP)	NS	NS	NS	NS	mg/l														0.0002	U				
CHROMIUM, HEXAVALENT	800	400	19	22	mg/kg		2.3	U	3.3		2.4	U	2.4	U	12.5		0.89	J	2.3	U	0.9	J	1.4	J

Notes:

4140 = Exceeds one or more soil cleanup objectives
IND = Industrial Soil Cleanup Objective (SCO)
TCLP = Toxicty Characteristic Leaching Procedure
COM = Commercial SCO
SPLP = Synthetic Precipitaion Leaching Procedure
GWPROT = Protective of groundwater SCO
RESIDENTIAL = Residential SCO
U = not detected
J = Estimated value
B (metals) = concentration is less than the sample quantitation limit but greater than the MDL
Blank cell indicates that sample was not anayzed for that parameter
NS- No standard

Prepared by: BJS 2/24/14
Checked by: JMF 2/24/14

Attachment 1: Summary of Analytical Results for Precision Environmental Services Direct Push Soil Samples

						Sample Name	GWICM SB-05 (1-4')		GWICM SB-05 (12-16		GWICM SB-06 (1-4'		GWICM SB-06 (12-16		GWICM SB-07 (12-16		GWICM SB-07 (4-8')		GWICM SB-08 (12-16		GWICM SB-08 (8-12')		GWICM SB-09 (1-4)	
						Matrix	SO		SO		SO		SO		SO		SO		SO		SO		SO	
						Sample Date	10/23/2012		10/23/2012		10/23/2012		10/23/2012		10/23/2012		10/23/2012		10/23/2012		10/23/2012		10/24/2012	
Chemical Name	**IND**	**COM**	**GWPROT**	**RESIDENTIAL**	**Unit**		Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
ALUMINUM	NS	NS	NS	NS	mg/kg		4590		3480		10300		6200		7460		8640		8770		7230		10900	B
ANTIMONY	NS	NS	NS	NS	mg/kg		17.3	U	17	U	17.5	U	16.7	U	15.5	U	16.3	U	16.6	U	16.4	U	17	U
ARSENIC	16	16	16	16	mg/kg		4.7		3.8		8.6		9.1		5.3		4.6		1.8	J	5.7		8.5	
BARIUM	10000	400	820	350	mg/kg		29.6		57.3		96.5		103		267		33.6		83.8		50.9		145	B
BERYLLIUM	2700	590	47	14	mg/kg		0.26		0.13	J	0.55		0.18	J	0.3		0.36		0.49		0.42		0.64	
CADMIUM	60	9.3	7.5	2.5	mg/kg		0.23	U	0.23	U	0.47	U	2.2	U	0.41	U	0.43	U	0.44	U	0.082	J	0.13	J
CALCIUM	NS	NS	NS	NS	mg/kg		91600	B	5200	B	5210	B	1960	B	1750	B	2450	B	1290	B	1850	B	2760	B
CHROMIUM, TOTAL	800	400	19	22	mg/kg		14.9		**1010**		**495**		**1530**		**398**		**469**		13.3		**1040**		**1670**	
COBALT	NS	NS	NS	NS	mg/kg		7.4		6		28.8		7.7		15.5		15		9.2		22.4		123	
COPPER	10000	270	1720	270	mg/kg		13.6		22.6		71.2		70.9		31.5		44.8		25		29.6		77.3	B
IRON	NS	NS	NS	NS	mg/kg		11300	B	14500	B	28700	B	32100	B	21600	B	22000	B	23400	B	25900	B	34100	B
LEAD	3900	1000	450	400	mg/kg		6.5		12		25.9		9.3		12.2		11		15.2		8.6		47.5	
MAGNESIUM	NS	NS	NS	NS	mg/kg		5780	B	1840	B	4530	B	2770	B	3040	B	2820	B	3600	B	2260	B	3740	B
MANGANESE	10000	10000	2000	2000	mg/kg		219	B	151	B	609	B	108	B	787	B	300	B	219	B	949	B	724	B
NICKEL	10000	310	130	140	mg/kg		30.4		102		**1020**		**311**		**139**		110		19.1		**1090**		**1870**	
POTASSIUM	NS	NS	NS	NS	mg/kg		837		748		1050		1050		865		945		850		738		1190	
SELENIUM	6800	1500	4	36	mg/kg		4.6	U	1.8	BJ	**7.1**	B	3	BJ	1.6	BJ	1.4	BJ	4.4	U	3.4	BJ	3	J
SODIUM	NS	NS	NS	NS	mg/kg		87	BJ	51.5	BJ	72	BJ	79.4	BJ	92.3	BJ	69.5	BJ	86.9	BJ	58.6	BJ	108	BJ
THALLIUM	NS	NS	NS	NS	mg/kg		6.9	U	6.8	U	0.5	J	6.7	U	0.31	J	6.5	U	6.6	U	1	J	0.69	J
VANADIUM	NS	NS	NS	NS	mg/kg		8.2		17.1		23.8		36.3		16.6		16.8		13.5		24		26.8	
ZINC	10000	10000	2480	2200	mg/kg		38.9	B	38.8	B	67.8	B	38.4	B	42	B	41.7	B	51.9	B	37.5	B	76.7	B
ARSENIC (TCLP/SPLP)	NS	NS	NS	NS	mg/l										0.01	U								
BARIUM (TCLP/SPLP)	NS	NS	NS	NS	mg/l										2.4	B								
CADMIUM (TCLP/SPLP)	NS	NS	NS	NS	mg/l										0.001	U								
CHROMIUM, TOTAL (TCLP/SPLP)	NS	NS	NS	NS	mg/l										0.018	B								
LEAD (TCLP/SPLP)	NS	NS	NS	NS	mg/l										0.0072									
SELENIUM (TCLP/SPLP)	NS	NS	NS	NS	mg/l										0.015	U								
MERCURY	5.7	2.8	0.73	0.81	mg/kg		0.011	J	0.025		0.038		0.016	J	0.023		0.019	J	0.011	J	0.017	J	0.1	
MERCURY (TCLP/SPLP)	NS	NS	NS	NS	mg/l										0.0002	U								
CHROMIUM, HEXAVALENT	800	400	19	22	mg/kg		1	J	2.2	U	2.2	U	2.3	U	5.4		0.91	J	2.5	U	2.3	U	2.2	U

Notes:

4140 = Exceeds one or more soil cleanup objectives
IND = Industrial Soil Cleanup Objective (SCO)
TCLP = Toxicty Characteristic Leaching Procedure
COM = Commercial SCO
SPLP = Synthetic Precipitaion Leaching Procedure
GWPROT = Protective of groundwater SCO
RESIDENTIAL = Residential SCO
U = not detected
J = Estimated value
B (metals) = concentration is less than the sample quantitation limit but greater than the MDL
Blank cell indicates that sample was not anayzed for that parameter
NS- No standard

Attachment 1: Summary of Analytical Results for Precision Environmental Services Direct Push Soil Samples

						Sample Name	GWICM SB-09 (12-16		GWICM SB-10 (12-16		GWICM SB-10 (4-8)		GWICM SB-11 (12-16		GWICM SB-11 (8-12)	
						Matrix	SO		SO		SO		SO		SO	
						Sample Date	10/24/2012		10/24/2012		10/24/2012		10/24/2012		10/24/2012	
Chemical Name	**IND**	**COM**	**GWPROT**	**RESIDENTIAL**	**Unit**		Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
ALUMINUM	NS	NS	NS	NS	mg/kg		6050	B	7190	B	6920	B	9110	B	11000	B
ANTIMONY	NS	NS	NS	NS	mg/kg		18.8	U	18.8	U	19	U	15.8	U	18.2	U
ARSENIC	16	16	16	16	mg/kg		3.3		3.6		12.1		9.4		5.9	
BARIUM	10000	400	820	350	mg/kg		28.9	B	44.9	B	97.8	B	48.9	B	84.7	B
BERYLLIUM	2700	590	47	14	mg/kg		0.31		0.42		0.78		0.46		0.57	
CADMIUM	60	9.3	7.5	2.5	mg/kg		0.074	J	0.085	J	0.12	J	0.13	J	0.14	J
CALCIUM	NS	NS	NS	NS	mg/kg		989	B	911	B	2500	B	1840	B	1570	B
CHROMIUM, TOTAL	800	400	19	22	mg/kg		**75.8**		10.7		**679**		**625**		**78.7**	
COBALT	NS	NS	NS	NS	mg/kg		8.4		7.4		17.1		16.6		7.9	
COPPER	10000	270	1720	270	mg/kg		15.6	B	17.8	B	89.8	B	29.3	B	18.5	B
IRON	NS	NS	NS	NS	mg/kg		15500	B	16600	B	27400	B	34700	B	21100	B
LEAD	3900	1000	450	400	mg/kg		6.7		7.4		96		20		21.5	
MAGNESIUM	NS	NS	NS	NS	mg/kg		2980	B	2840	B	1750	B	4190	B	3640	B
MANGANESE	10000	10000	2000	2000	mg/kg		161	B	182	B	333	B	349	B	668	B
NICKEL	10000	310	130	140	mg/kg		73.9		16.9		**635**		**691**		21.9	
POTASSIUM	NS	NS	NS	NS	mg/kg		724		890		831		886		770	
SELENIUM	6800	1500	4	36	mg/kg		1.3	J	0.81	J	3.1	J	3.2	J	2.6	J
SODIUM	NS	NS	NS	NS	mg/kg		79.2	BJ	97.8	BJ	91.3	BJ	70.3	BJ	51.3	BJ
THALLIUM	NS	NS	NS	NS	mg/kg		7.5	U	7.5	U	7.6	U	6.3	U	7.3	U
VANADIUM	NS	NS	NS	NS	mg/kg		11.7		12.1		22.6		26.6		29.4	
ZINC	10000	10000	2480	2200	mg/kg		35.9	B	38.9	B	49	B	52.4	B	53	B
ARSENIC (TCLP/SPLP)	NS	NS	NS	NS	mg/l								0.0074	J		
BARIUM (TCLP/SPLP)	NS	NS	NS	NS	mg/l								0.61	B		
CADMIUM (TCLP/SPLP)	NS	NS	NS	NS	mg/l								0.001	U		
CHROMIUM, TOTAL (TCLP/SPLP)	NS	NS	NS	NS	mg/l								0.049	B		
LEAD (TCLP/SPLP)	NS	NS	NS	NS	mg/l								0.011			
SELENIUM (TCLP/SPLP)	NS	NS	NS	NS	mg/l								0.015	U		
MERCURY	5.7	2.8	0.73	0.81	mg/kg		0.024	U	0.022	U	0.096		0.024		0.034	
MERCURY (TCLP/SPLP)	NS	NS	NS	NS	mg/l								0.0002	U		
CHROMIUM, HEXAVALENT	800	400	19	22	mg/kg		2.4	U	2.4	U	2.4	U	2.3	U	2.3	U

Notes:

4140 = Exceeds one or more soil cleanup objectives
IND = Industrial Soil Cleanup Objective (SCO)
TCLP = Toxicty Characteristic Leaching Procedure
COM = Commercial SCO
SPLP = Synthetic Precipitaion Leaching Procedure
GWPROT = Protective of groundwater SCO
RESIDENTIAL = Residential SCO
U = not detected
J = Estimated value
B (metals) = concentration is less than the sample quantitation limit but greater than the MDL
Blank cell indicates that sample was not anayzed for that parameter
NS- No standard

New York State
Department of Environmental
Conservation

Division of
Environmental Remediation

AL Tech Specialty Steel
DEC Site No.: 4-01-003

Waste Acid Pit Area
Groundwater ICM
Soil Boring Locations

Map Details

Created in ArcGIS 10

Date of Last Revision:
07.22.2013

North American Datum 1983
UTM Zone 18

ATTACHMENT 2

FIELD DATA RECORDS

SOIL BORING LOG

MACTEC
511 Congress Street, Portland Maine 04101

Project Name: ALTech Wastefield Pit			Boring ID: DP-10
Project Location: Colonie NY			Page No. 1
Project No.:	Client: NYS DEC		of: 1
Boring Location: East of Extrusion Bld.	Refusal Depth: NA	Total Depth: 16'	Bore Hole ID/OD: 2.2" OD
Weather: Overcast, warm	Soil Drilled: 16'	Method: Direct Push	Casing Size: —
Subcontractor: Precision	P.I.D (eV): 10.6	Protection Level: D	Sampler: Macrocore 4'
Driller: Mike Dudley	Date Started: 10/2/13	Date Completed: 10/2/13	Sampler ID/OD: 2.2" OD
Rig Type/Model: T190 Bobcat/Geoprobe	Logged By: J. Rawcliffe	Checked By: M. [illegible]	Hammer Wt/Fall: —
Reference Elevation:	Water Level: ∇ 10' BGS	Time: 1045	Hammer Type: —

Depth (feet bgs) 0.0	Sample Number	Penetration/ Recovery (feet)	SPT Blows/6"	N Value	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID	Sample Description and Classification (from drilling observation)	USCS Group Symbol	Remarks
1	M1	3.9/4.0	—	—	0.6	—	—	—	0-0.9 Dark brown topsoil fill, roots, moist. 0.9-3' Brown fine to coarse sand and gravel with silt and some clay (Fill) dense. some brick 3-4 Brown to very dark brown loose sandy material with brick/ceramic and ash like material. Moist.		0-4
2					0.3						
3					0.5						
4					0.6						
5	M2	1.5/4.0			0.5			⊗	Dark brown to reddish brown to black fill material with pieces of brick, possible ash. Dry to moist.		1030 401003-DP010008XX (XD) (7-8' BGS) Duplicate collected
6					0.6						
7					0.3						
8											
9	M3	1.9/4.0			0.1				0.3' of Brick ash fill material possible cave in on top of. Dark olive brown to dark brown fine to coarse sand and gravel with silt. Moist Grades to brown to reddish brown fine to coarse sand and fine gravel with a little silt. Moist to wet.		
10					0.0						
11											
12					0.2						
13	M4	2.1/4.1			0				Brown to dark brown fine to coarse sand and fine gravel with a little silt. Wet, massive.		1055 401003-DP010 0816 XX (MS/MSD) 14-16'
14					0			⊗			
15					0						
16									16' Bottom of boring - no refusal.		1115 Cleaning up

NOTES:

FIGURE 4.4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

SOIL BORING LOG

MACTEC
511 Congress Street, Portland Maine 04101

Project Name: AL Tech Waste Acid Pit			Boring ID: DP-11
Project Location: Colonie NY			Page No. 1
Project No.:	Client: NYS DEC		of: 1
Boring Location: E side of Commission bldg.	Refusal Depth: NA	Total Depth: 16	Bore Hole ID/OD: 2.2" OD
Weather: Partly sunny, 65-75°F	Soil Drilled: 16	Method: Direct Push	Casing Size: "
Subcontractor: Precision	P.I.D (eV): 10.6	Protection Level: D	Sampler: Macrocore 4'
Driller: Mike Bradley	Date Started: 10/2/13	Date Completed: 10/2/13	Sampler ID/OD: 2.2" OD
Rig Type/Model: T190 Bobcat/Geoprobe	Logged By: T. Rawcliffe	Checked By: M	Hammer Wt/Fall: —
Reference Elevation:	Water Level: 10-11' BGS	Time: —	Hammer Type: —

(From drilling observations)

Sample Information					Monitoring						
Depth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	SPT Blows/6"	N Value	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	Remarks
0.0											
1	M-1	2.4/4.0	-	-	2.3	-	-	-	Dark brown loamy topsoil 0-1'		
2					0.7				Brown to dark brown fine sand silt with coarse sand and gravel (Fill) with bricks, concrete, fine with fragments (ash?)		
3					0.1						
4					0.1						
5	M-2	0.8/4.0			0.3				Brown to dark brown fine sand and silt with some medium to coarse sand and fine gravel, Moist.		1140 401003-DP0111008 VOC, SVOC, P/P, Hex Cr, pH (5-8')
6					0.1						
7								X			
8											
9	M-3	1.2/4.0			0.2				Dark brown to brown fine to coarse sand with some silt and gravel. Pieces of black shale, one quartz fragment, Very moist to wet.		
10					0.1						
11											
12											
13	M-4	2.3/4.0			0.1				Brown to dark brown fine to coarse sand and gravel with a trace of silt. Wet, massive.		1155 401003-DP0111016 VOC/SVOC/P/P Hex Cr pH (14-16')
14					0.1						
15					0.1			X	Backfilled with bentonite chips.		
16									Bottom of boring 16' BGS, No refusal		

NOTES:

FIGURE 4.4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

SOIL BORING LOG

MACTEC
511 Congress Street, Portland Maine 04101

Project Name: AL Tech Waste Acid Pit			Boring ID: DP-12
Project Location: Colonie NY			Page No. 1
Project No.:	Client: NYS DEC		of: 1
Boring Location: N of Ext. Bldg	Refusal Depth: NA	Total Depth: 16'	Bore Hole ID/OD: 2.2" OD
Weather: Partly sunny, 65-75°F	Soil Drilled: 16'	Method: Direct Push	Casing Size: 11
Subcontractor: Precision Env.	P.I.D (eV): 10.6	Protection Level: D	Sampler: MacroCore 4'
Driller: Mike Dudley	Date Started: 10/2/13	Date Completed: 10/2/13	Sampler ID/OD: 2.2" OD
Rig Type/Model: T190 Bobcat/Geoprobe	Logged By: J. Randolph	Checked By: M Gray	Hammer Wt/Fall: —
Reference Elevation:	Water Level: ≈12'	Time:	Hammer Type: —

Sample Information					Monitoring						
Depth (feet bgs) 0.0	Sample Number	Penetration/ Recovery (feet)	SPT Blows/6"	N Value	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	Remarks
1	MW-1	2.6/4.0	—	—	0.2	—	—	—	Top 0-0.8 Brown to olive brown silt with a little fine to coarse sand and gravel. (FILL)		
2					0.2				0.8-4 Dark brown to reddish dark brown fine to coarse sand with concrete, old brick fragments, some areas that appear iron stained. (FILL)		1230
3					0.2						401003-DP012004XX VOC, PCBs/PCBs Hex Cr, pH
4					0.2						
5	MW-2	0.4/4.0	—	—	—	—	—	—	Brown fine to coarse sand and gravel FILL with concrete fragments		
6					0.7				2nd attempt (Very poor recovery)		
7		1.8/4.0			0.5				Top 1.4' Dark brown to dark gray to dark olive fine to coarse sand and gravel (FILL)		
8					0.4				Brown to slight yellow brown fine-med sand moist		
9	MW-3	1.2/4.0							Top 0.7 Dark reddish brown fine to coarse sand with some gravel and pieces of brick Very moist.		
10					0.1						
11					0.2				Bottom 0.5 light olive brown fine to coarse sand and gravel. Very moist to wet some iron stained gravel.		
12											
13									Brown to olive brown fine to coarse sand and gravel chunks to		
14					75				dark gray to gray f-c sand and gravel with strong weathered fuel-like odor.		1305
15						230			Wet. No apparent free product.		401003-DP012016XX VOC, PCBs, Hex Cr, pH
16					86				Bottom of boring = 16' BGS		

NOTES: No refusal.

FIGURE 4.4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

SOIL BORING LOG

MACTEC
511 Congress Street, Portland Maine 04101

Project Name: ALTech Waste Acid Pit			Boring ID: DP-13
Project Location: Colonie, NY			Page No. 1
Project No.:	Client: NYS DEC		of: 1
Boring Location: N side Corrosion Bld.	Refusal Depth: NA	Total Depth: 16	Bore Hole ID/OD: 2.2" OD
Weather: Mostly cloudy 65-75°F	Soil Drilled: 16	Method: Direct Push	Casing Size: —
Subcontractor: Precision	P.I.D (eV): 10.6	Protection Level: D	Sampler: Macro Core 4'
Driller: Mike Dudley	Date Started: 10/2/13	Date Completed: 10/2/13	Sampler ID/OD: 2.2" OD
Rig Type/Model: T190 Bobcat/Geoprobe	Logged By: J. Rawcliffe	Checked By: M.	Hammer Wt/Fall: —
Reference Elevation:	Water Level: 10-11' 365	Time:	Hammer Type: —

Sample Information					Monitoring						
Depth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	SPT Blows/6"	N Value	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	Remarks
0.0									1st attempt refusal at 5'665 on concrete.		
1	M-1	2.9/4.0	-	-	0.2		—	—	2nd attempt. Fine to coarse sand and gravel (Fill) with layers of purple slag, iron stained layers, black ash? material dark reddish brown sandy material with wood and metal fragments.		
2					0.3						
3					0.5						
4					0.7						
5	M-2	1.3/4.0			0.1				Fill Brown to dark brown fine to coarse sandy material with pieces of fine wood (light yellow) silty areas, Moist.		1410 401003-DP013002SX1 V, SV, Pest/PCB, HexCr, pH
6											
7					0.2						
8											
9	M-3	1.4/4.0			0.2				Fill - Layered dark brown to brown fine sand, Brown Fine to coarse sand and gravel bottom reddish brown fine to coarse sand and gravel. Weathered fuel-like odor at bottom of sample		
10					0.4						
11					16.8						
12											
13					76				Gray to very dark gray Fine to coarse sand and gravel, wet dense with strong weathered fuel-like odor.		1435
14					106						401003-DP013016SX1 V, SV, Pest/PCB, HexCr, pH
15											
16					144				Bottom of boring = 16' No refusal		

NOTES:

FIGURE 4.4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

SOIL BORING LOG

MACTEC
511 Congress Street, Portland Maine 04101

Project Name: AL Tech Waste Acid Pit			Boring ID: DP-14
Project Location: Colonie NY			Page No. 1
Project No.:	Client: NYS DEC		of: 1
Boring Location: N of Corrosion Bld.	Refusal Depth: NA	Total Depth: 16' BGS	Bore Hole ID/OD: 2.2" OD
Weather: Partly cloudy, 70°F	Soil Drilled: 16'	Method: Direct Push	Casing Size: —
Subcontractor: Precision	P.I.D (eV): 10.6	Protection Level: D	Sampler: MacroCore-4'
Driller: Mike Dudley	Date Started: 10/2/13	Date Completed: 10/2/13	Sampler ID/OD: 2.2" OD
Rig Type/Model: T190 Bobcat/Geoprobe	Logged By: J. Rancatti	Checked By: M. Jury	Hammer Wt/Fall: —
Reference Elevation:	Water Level:	Time:	Hammer Type:

Sample Information					Monitoring						
Depth (feet bgs) 0.0	Sample Number	Penetration/ Recovery (feet)	SPT Blows/6"	N Value	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	Remarks
1	M-1	2.6' / 4.0			0.6				Brown to gray fine to coarse sand and gravel (Fill) layered with some roots at top		1455
2					0.6						401003-DP014004XA
3									Bottom 1' is fine to medium sand with strong iron stained layer (5mm) colored gray at top to brown below iron stained layer.		V, SV, Pest/PCB, Hex Cr, Alk
4					0.6						
5	M-2	2.8 / 4.0			0.4				Top 0.7 Brown fine to medium sand very uniform. (Fill)		
6					0.4				0.7-0.8 Reddish brown slightly iron stained layer some possible fine vertical fragments, trace coarse sand. - Light brown.		
7					0.3				0.8 - Bottom - fine to medium sand with a little silt Bottom becomes quite silty then a few gravel fragments. (Native?)		- some root fibers at ≈ 6' BGS.
8					0.4						
9	M-3	1.1 / 4.0			7.1				Brown to olive brown fine to coarse sand and gravel, shale fragment in middle of sample Bottom of sample has a strong fuel like odor.		
10											
11					47.5						
12											
13	M-4	0.4 / 4.0			-				1st attempt - recovered 0.4' f-c sand + gravel with strong fuel like odor. 2nd attempt - recovered 0.8 some amounts of product in sleeve.		
14		0.8 / 4.0			17	98			Brown to olive brown fine to coarse sand and gravel. Wet, strong fuel-like odor, massive. 110 ppm on yellow liquid decant off top of acetate sleeve some sheens in soil.		1530 401003-DP014016XA V, SV, Pest/PCB, Hex Cr, Alk
15					69						
16											

NOTES:

FIGURE 4.4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

SOIL BORING LOG

MACTEC
511 Congress Street, Portland Maine 04101

Project Name: AL Tech Waste Acid Pit			Boring ID: OP-15
Project Location: Colonie NY			Page No. 1
Project No.:	Client: NYS DEC		of: 1
Boring Location: N side Exclusion Bldg	Refusal Depth: NA	Total Depth: 16'BGS	Bore Hole ID/OD: 2.2" OD
Weather: Mostly sunny 60-65°F	Soil Drilled: 16'	Method: Direct Push	Casing Size: —
Subcontractor: Precision	P.I.D (eV): 10.6	Protection Level: D	Sampler: MacroCore 4'
Driller: Mike Dudley	Date Started: 10/3/13	Date Completed: 10/3/13	Sampler ID/OD: 2.2" OD
Rig Type/Model: T190 Bobcat/Geoprobe	Logged By: J. Rawcliffe	Checked By: [illegible]	Hammer Wt/Fall: —
Reference Elevation:	Water Level: ~8' BGS	Time:	Hammer Type: —

Sample Information					Monitoring				(Based on sample descriptions) Sample Description and Classification	USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	SPT Blows/6"	N Value	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID			
0.0											
1	M-1	2.0 / 4.0	—	—	0.1	—	—	—	Brown fine to coarse sand and gravel (Fill) with a trace of silt. Top of sample becomes more dense with more silt. Moist.		0755
2					0.1						4010003-OP01500 4
3					0.1			X			(3-4') VOC SVOC, P/P, Hex Cr, pH
4					0.1						
5	M-2	0.6 / 4.0			0.1				Brown to olive brown fine to coarse sand and gravel with a little silt. Very moist to wet, massive. (Fill)		
6					0.1						
7											
8											
9	M-3	1.2 / 4.0			0.2				Top 0.4 Brown to dark brown to dark olive brown fine-coarse sand and gravel. possible coal ash, fine brick fragments. (Fill)		
10					0.8						
11					0.1				Bottom 0.3 Brown to light brown fine to medium sand with a little silt and traces of gravel Wet. Possible change to native soils		
12											
13		1.8 / 4.0			40				Dark brown to dark grey fine to coarse sand and gravel. Some sandy lenses and some gravelly layers. Strong methane fuel odor, sheen on water/wet soils. Wet, some layers.		0825
14					51			X		4010003-OP01501 6	
15					75						V, SV, P/P, Hex Cr, pH
16											

NOTES:

FIGURE 4.4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

SOIL BORING LOG

MACTEC
511 Congress Street, Portland Maine 04101

Project Name: AL Tech Steel Waste Acid Pit		Boring ID: DP-16
Project Location: Colonie NY		Page No. 1
Project No.: 3612112222	Client: NYS DEC	of: 1
Boring Location: N end Extrusion Bldg	Refusal Depth: NA / Total Depth: 16	Bore Hole ID/OD: 2.2" OD
Weather: Mostly sunny 60-70°	Soil Drilled: 16 / Method: Direct Push	Casing Size: —
Subcontractor: Precision	P.I.D (eV): 10.6 / Protection Level: D	Sampler: Macrocore 4'
Driller: Mike Dudley	Date Started: 10/3/13 / Date Completed: 10/3/13	Sampler ID/OD: 2.2" OD
Rig Type/Model: T190 Bobcat/Geoprobe	Logged By: J. Ruwelkk / Checked By: [illegible]	Hammer Wt/Fall: —
Reference Elevation:	Water Level: / Time:	Hammer Type: —

Depth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	SPT Blows/6"	N Value	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	Remarks
0.0–4	M-1	1.5/4.0	—	—	0.8, 0.7, 0.8				Brown to dark brown fine to coarse sand and gravel (fill). Minor organics at top (roots/grass) Piece of wood in tip of sample.	Fill	BKG = 0.8
4–8	M-2	3.0/4.0			0.7, 0.8, 0.7, 0.7				Top 1.8' Brown fine sand with a trace to a little silt and medium sand More silt with depth. Very moist to wet. Change at ~6' to brown to reddish brown fine to medium sand with a trace of silt. Some stratification with coarser sand layer (4cm) in middle (7').		0855 401003-DP016008 V, SV, P/P, HexCr, pH
8–12	M-3	1.6/4.0			0.7, 0.7, 0.7				Brown to reddish brown to olive brown (iron stained) fine to coarse sand and gravel with a trace of silt. Stratified appearance with gravelly layers and some sandy layers. Bottom of sample is heavily iron stained gravel layer.		
12–16	M-4				21, 59, 160				Brown to dark reddish brown to very dark gray fine to coarse sand and gravel (very gravelly). Wet, layered appearance with gravel and sand layers. Strong weathered fuel-like odor sheen, possible free product.		0910 401003-DP016016 V, SV, P/P, HexCr, pH petroleum fingerprint NYS 310.13

NOTES: Bottom of boring = 16' BGS - No Refusal

FIGURE 4.4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

SOIL BORING LOG

MACTEC
511 Congress Street, Portland Maine 04101

Project Name: ALTech Steel - Waste Acid Pit			Boring ID: DP-17
Project Location: Colonie NY			Page No. 1
Project No.: 3612117222	Client:		of: 1
Boring Location:	Refusal Depth: NA	Total Depth: 16'BGS	Bore Hole ID/OD: 2.2" OD
Weather: Sunny, 65-75°	Soil Drilled: 16'	Method: Direct Push	Casing Size: 2.2" OD
Subcontractor: Precision	P.I.D (eV): 10.6	Protection Level: D	Sampler: MacroCore 4'
Driller: Mike Dudley	Date Started: 10/3/13	Date Completed: 10/3/13	Sampler ID/OD: 2.2" OD
Rig Type/Model: T-190 Bobcat/Geoprobe	Logged By: J. Rawcliffe	Checked By: M. Jones	Hammer Wt/Fall: —
Reference Elevation:	Water Level:	Time:	Hammer Type: —

Sample Information					Monitoring						
Depth (feet bgs) 0.0	Sample Number	Penetration/ Recovery (feet)	SPT Blows/6"	N Value	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	Remarks
1	M-1	2.8 / 4.0			6.8				Brown to light brown fine sand with a little silt and traces medium sand, some darker layers with ash black (coal ash?) layer at ≈ 2.5' (5cm) Some iron stained traces gravel below black layer. Moist. (FILL)		PID BKG = 1.4 ppm
2					4.4						
3					3.2						
4					2.1						
5	M-2	1.6 / 4.0			1.4				Brown to light brown fine to medium sand with a trace of silt and some gravel at very layer. Moist, gray gravel layer at ≈ 5' (5cm thick) trip of sample becomes wet. Water at ≈ 5-6'		0955
6					1.5						
7					1.3					401003-DP017008 V, SV, P/P, Hex Cr, pH	
8					1.5						
9	M-3	1.3 / 4.0			0.9				Dark brown fine to coarse sand and gravel with traces of silt. Moist, generally massive some thin iron stained layers in middle of recovery.		
10					1.1						
11											
12					1.0						
13	M-4	1.2 / 4.0			7.8				Brown to dark gray to very dark gray gravel and fine to coarse sand with traces of silt. Wet, stratified/layered appearance with gravelly layers, black sandy layers. Strong weathered fuel-like odor. some sheen.		1015
14					9.7					401003-DP017016 V, SV, P/P, Hex Cr, pH.	
15											
16					190						

NOTES: Bottom of Boring ≈ 16'BGS No Refusal.

FIGURE 4.4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

SOIL BORING LOG

MACTEC 511 Congress Street, Portland Maine 04101	Project Name: ACTech Steel Waste Acid Pit		Boring ID: OP-18
	Project Location: Colonie, NY		Page No. 1
	Project No.: 3612112222	Client: NYS DEC	of: 1
Boring Location:	Refusal Depth: N/A	Total Depth: 16' BGS	Bore Hole ID/OD: 2.2" OD
Weather: Sunny 70-75°	Soil Drilled: 16'	Method: Direct Push	Casing Size: 2.2" OD
Subcontractor: Precision	P.I.D (eV): 10.6	Protection Level: D	Sampler: MacroCore 4'
Driller: Mike Dudley	Date Started: 10/3/13	Date Completed: 10/3/13	Sampler ID/OD: 2.2" OD
Rig Type/Model: T-190 Bobcat/Geoprobe	Logged By: J. Rawcliffe	Checked By: [illegible]	Hammer Wt/Fall: —
Reference Elevation:	Water Level: 8-10'	Time:	Hammer Type: —

Depth (feet bgs) 0.0	Sample Number	Penetration/ Recovery (feet)	SPT Blows/6"	N Value	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID	Sample Description and Classification (Based on sample descriptions)	USCS Group Symbol	Remarks
M-1	1	4.0 / 4.0	–	–	1.8				0-0.8 loamy brown topsoil over gravelly subgrade		PID BKG=1.4
2					1.7				0.8-4 Brown to dark brown to olive brown fine to coarse sand and gravel with a		1050
3					1.6			⊗	little silt. Moist, massive. poss. fragments of fire brick. (Fill)		401003-OP018004 V, SV, P/P, HexCr, pH
4					1.8						
M-2	2	1.9 / 4.0			2.7				Brown to dark brown to olive brown fine to coarse sand and gravel with a little silt. Moist, massive, appears to be Fill.		
5											
6					5.7						
7					3.4				Faint sweet odor from area in middle of recovery (5-6'?)		
8											
M-3	3	1.3' / 4.0			1.4				Top 0.9 of recovery is brown to dark brown to olive brown fine to coarse sand and gravel with a little silt. (Similar to M-2) Fill.		
9											
10					1.5				Some iron stained areas		
11					92				Abrupt transition to very dark grey fine to coarse sand and gravel with some silt. Wet, strong weathered fuel-like odor, sheen.		
12											
M-4	4	1.1 / 4.0			75			⊗	Dark grey to very dark grey fine to coarse sand and gravel, Wet, strong fuel-like odor, no structure soils quite disturbed.		1125 401003-OP018016 V, SV, P/P, HexCr, pH
13											
14					99						
15											
16									Bottom of boring = 16' BGS No refusal.		

NOTES:

FIGURE 4.4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

SOIL BORING LOG

MACTEC
511 Congress Street, Portland Maine 04101

Project Name: AC Tech Steel Waste Acid Pit			Boring ID: AP-19
Project Location: Colonie NY			Page No. 1
Project No.: 3612112222	Client: NYS DEC		of: 1
Boring Location:	Refusal Depth: NA	Total Depth: 16' BGS	Bore Hole ID/OD: 2.2" OD
Weather: Sunny, 75°	Soil Drilled: 16'	Method: Direct Push	Casing Size: 2.2" OD
Subcontractor: Precision Env.	P.I.D (eV): 10.6	Protection Level: D	Sampler: MacroCore 4'
Driller: Mike Dudley	Date Started: 10/3/13	Date Completed: 10/3/13	Sampler ID/OD: 2.2" OD
Rig Type/Model: T-190 Bobcat/Geoprobe	Logged By: J. Rawcliffe	Checked By: [illegible]	Hammer Wt/Fall: —
Reference Elevation:	Water Level:	Time:	Hammer Type: —

Sample Information					Monitoring						
Depth (feet bgs) 0.0	Sample Number	Penetration/ Recovery (feet)	SPT Blows/6"	N Value	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	Remarks
1	M-1	4.0 / 4.0			2.7				0-0.6 brown topsoil 0.6-1.1 Very dark brown to black f-c sand + ash 1.1-2' Olive brown to brown f-c sand gravel and silt. 2-3 Dark brown to slightly reddish dark brown fine to coarse sand w/ gravel 3-4 Brown to dark olive brown f-c sand and gravel and silt. (F, LD		PID BGS = 1.5
2					1.7						
3					1.6						
4					2.0						
5	M-2	2.2 / 4.0			1.5				Brown to olive brown to dark olive brown fine to coarse sand and gravel with silt. layer of black furnace ash/clinker (1" - 1.5") near top of recovery some layering near very bottom otherwise massive.	Fill	1155 401003-DP01908 V, SV, P/P, HexCr, pH
6					1.5						
7											
8					1.5						
9	M-3	1.9 / 2.0			1.2				Brown to dark brown fine to coarse sand and gravel with some gravelly lenses (m-c sand) and traces of silt - Moist. Tip of sample is Gray to dark gray fine to coarse sand and gravel Wet, Heavy fuel-like odor.		
10					1.3						
11					1.4						
12					51						
13	M-4	2.0 / 4.0			55				Dark brown to dark gray fine to coarse sand and gravel with traces of silt. Wet, massive (difficult to see if any structure/distribution).		1215 401003-DP01909016 V, SV, P/P, HexCr, pH
14											
15					250						
16									Bottom of boring = 16' BGS		

NOTES:
No refusal

FIGURE 4.4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

SOIL BORING LOG

MACTEC
511 Congress Street, Portland Maine 04101

Project Name: AL TechSteel - Waste Acid Pit			Boring ID: OP-20
Project Location: Colonie NY			Page No. 1
Project No.: 3612112 [illegible]	Client: NYS DEC		of: 1
Boring Location:	Refusal Depth:	Total Depth:	Bore Hole ID/OD: 2.25" OD
Weather: Sunny, 75°F	Soil Drilled:	Method: Direct Push	Casing Size: 2.25" OD
Subcontractor: Precision Env.	P.I.D (eV): 10.6	Protection Level: D	Sampler: MacroCore 4'
Driller: Mike Dudley	Date Started: 10/3/13	Date Completed: 10/3/13	Sampler ID/OD: 2.25" OD
Rig Type/Model: T-190 Bobcat/Geoprobe	Logged By: T. Rawcliffe	Checked By: M. [illegible]	Hammer Wt/Fall: —
Reference Elevation:	Water Level: B. Wolfe	Time:	Hammer Type: —

Depth (feet bgs) 0.0	Sample Number	Penetration/ Recovery (feet)	SPT Blows/6"	N Value	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	Remarks
1	MW-1	2.10 / 4.0			3.3				0-.9 GRAY FINE TO MED GRAINED GRAVEL WITH SAND.		PID KG-2.6
2					3.0				.9-1.4 DARK BROWN SAND - FINE TO MEDIUM GRAINED W/ GRAVEL		
3					3.1				1.4-1.8 SAND W/ SILT - LIGHT BROWN		
4					3.0				1.8-2.9 DARK BROWN COARSE GRAINED SAND W/ FINE GRAINED GRAVEL. POSSIBLE ASH? (FILL)		
5	MW-2	1.3 / 4.0			2.9				0-.6 DARK BROWN MED TO COARSE GRAINED SAND W/ FIN GRAVEL		12:45
6					2.9				.6-1.0 GRAY COARSE SAND W/ GRAVEL		40/003-DP020008
7					2.9				1-1.3 WHITE COARSE GRAINED SAND WITH FINE - MED GRAIND GRAVEL (FILL)		V, SV, P/P, HEXCR, PH
8											
9	MW-3	1.2 / 4.0							0-.2 BROWN TO GRAY COARSE SAND		
10					2.8				.2-.5 ORANGE SILT W SAND, MOIST		
11					2.8				.5-1.2 BROWN TO GRAY, FINE TO COARSE GRAINED SAND W FINE GRAVEL AND SILT - SLIGHT ODOR		
12					12.9						
13	MW-4	2.3 / 4.0			73.5				0-.7 DRK BRWN TO GRAY, ~~WET~~ MED TO COARSE SAND W/ FINE TO MED GRAVEL, WET, ODOR		13:10
14					2.9				.7-2.2 GRAY TO DRK GRAY, MED TO COARSE SAND TO FINE TO MED GRAINED GRAVEL, WET, ODOR		40/003-DP020016
15					79.5						V, SV, P/P, HEXCHROM, PH
16									BOTTOM OF BORING = 16' BGS - NO REFUSAL		

NOTES:

FIGURE 4.4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

ATTACHMENT 3

DUSR

DATA USABILITY SUMMARY REPORT
OCTOBER 2013 WASTE ACID PIT AREA SAMPLING EVENT
AL TECH SITE
COLONIE, NEW YORK

Sample Delivery Group M1908

1.0 INTRODUCTION

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

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

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

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

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

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

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

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

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

2.0 DUSR DATA QUALIFICATION ACTIONS AND OBSERVATIONS

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

2.1 AQUEOUS SAMPLE

2.11 VOA

Instrument Calibration

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

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

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

2.1.2 SVOCs

Calibration

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

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

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

Surrogates

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

LCS/LCSD

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

2.1.3 PESTICIDES

Calibration

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

Target Analyte Quantitation

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

2.1.4 PCBs

LCS/LCSD

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

2.1.5 METALS

Blanks

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

2.1.6 Hexavalent Chromium

Reporting

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

2.2 SOIL AND SEDIMENT

2.2.1 VOCs

Blanks

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

Calibration

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

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

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

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

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

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

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

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

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

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

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

Internal Standards

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

LCS/LCSD

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

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

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

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

Surrogates

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

Matrix Spikes

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

2.2.2 SVOCs

Blanks

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

Calibration

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

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

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

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

LCS/LCSD

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

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

Internal Standards

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

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

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

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

Matrix Spikes

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

Sample Results Reporting

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

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

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

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

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

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

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

2.2.3 PESTICIDES

Calibration

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

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

Target Analyte Quantitation

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

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

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

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

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

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

2.2.4 PCBs

Target Analyte Quantitation

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

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

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

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

Field_sample_id	lab_sample_id	Dilution Factor
401003-SD017001	M1908-27	20

2.2.5 Metals

No data qualifiers were required.

2.2.6 Hexavalent Chromium

Target Analyte Reporting

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

2.2.7 TOC

No data qualifiers were required.

2.2.8 Total Solids

No data qualifiers were required.

Reference:

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

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

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

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

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

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

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

Data Validator: Tige Cunningham

January 29, 2014

Reviewed by Chris Ricardi QA Officer

January 30, 2014

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

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

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

P:\Projects\nysdec1\Contract D007619\Projects\Al Tech - SM\3.0_Site_Data\3.4_Test_Results\Chemist Review and DUSRs\
AlTech_M1908_Table_1_REV.xls
Produced by: BJS 11/06/13
Checked by TLC 11/12/13

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Notes:

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

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

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

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

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

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

ATTACHMENT 4

TABLE OF ANALYTICAL RESULTS COMPARED TO SCOS

Waste Acid Pit Investigation October 2013
Complete Analytical Results

				Location	DP-10		DP-10		DP-10		DP-11		DP-11		DP-12		DP-12	
				Sample ID	401003-DP010008		401003-DP010008D		401003-DP010016		401003-DP011008		401003-DP011016		401003-DP012004		401003-DP012016	
				Sample Date	10/2/2013		10/2/2013		10/2/2013		10/2/2013		10/2/2013		10/2/2013		10/2/2013	
				Media	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
				Qc Code	FS		FD		FS		FS		FS		FS		FS	
				Depth (ft)	8'		8'		16'		8'		16'		4'		16'	
Parameter	**Res**	**Com**	**Ind**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Volatile Organic Compounds by EPA Method 8260																		
1,1,1-Trichloroethane	100	500	1,000	MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	UJ
1,1,2,2-Tetrachloroethane				MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	UJ
1,1,2-Trichloro-1,2,2-Trifluoroethane				MG/KG	0.0071	U	0.0087	U	0.0048	UJ	0.0055	U	0.0049	U	0.0051	U	0.058	U
1,1,2-Trichloroethane				MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	U
1,1-Dichloroethane	19	240	480	MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	U
1,1-Dichloroethene	100	500	1,000	MG/KG	0.0071	U	0.0087	U	0.0048	UJ	0.0055	U	0.0049	U	0.0051	U	0.058	U
1,2,3-Trichlorobenzene				MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	U
1,2,4-Trichlorobenzene				MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	U
1,2-Dibromo-3-chloropropane				MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	U
1,2-Dibromoethane				MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	U
1,2-Dichlorobenzene	100	500	1,000	MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	U
1,2-Dichloroethane	2.3	30	60	MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	U
1,2-Dichloropropane				MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	U
1,3-Dichlorobenzene	17	280	560	MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	U
1,4-Dichlorobenzene	9.8	130	250	MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	U
1,4-Dioxane	9.8	130	250	MG/KG	R		R		R		R		R		R		R	
2-Butanone	100	500	1,000	MG/KG	R		R		R		R		R		R		R	
2-Hexanone				MG/KG	0.0071	UJ	0.0087	UJ	0.0048	UJ	0.0055	UJ	0.0049	UJ	0.0051	UJ	0.29	U
4-Methyl-2-pentanone				MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.29	U
Acetic acid, methyl ester				MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	U
Acetone	100	500	1,000	MG/KG	R		R		0.0048	UJ	R		R		R		0.29	U
Benzene	2.9	44	89	MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	U
Bromochloromethane				MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	U
Bromodichloromethane				MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	UJ
Bromoform				MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	U
Bromomethane				MG/KG	0.0071	U	0.0087	U	0.0048	UJ	0.0055	U	0.0049	U	0.0051	U	0.058	UJ
Carbon disulfide				MG/KG	0.0032	J	0.0087	U	0.0048	UJ	0.0055	U	0.0049	U	0.0051	U	0.058	U
Carbon tetrachloride	1.4	22	44	MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	UJ
Chlorobenzene	100	500	1,000	MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	U
Chlorodibromomethane				MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	U
Chloroethane				MG/KG	0.0071	U	0.0087	U	0.0048	UJ	0.0055	U	0.0049	U	0.0051	U	0.058	U
Chloroform	10	350	700	MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	U
Chloromethane				MG/KG	0.0071	U	0.0087	U	0.0048	UJ	0.0055	U	0.0049	U	0.0051	U	0.058	U
Cis-1,2-Dichloroethene	59	500	1,000	MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	U
cis-1,3-Dichloropropene				MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	UJ
Cyclohexane				MG/KG	0.0071	UJ	0.0087	UJ	0.0048	U	0.0055	UJ	0.0049	UJ	0.0051	UJ	0.058	U
Dichlorodifluoromethane				MG/KG	0.0071	U	0.0087	U	0.0048	UJ	0.0055	U	0.0049	U	0.0051	U	0.058	UJ
Ethyl benzene	30	390	780	MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	U
Isopropylbenzene				MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	1.2	
Methyl cyclohexane				MG/KG	0.0071	UJ	0.0087	UJ	0.0048	U	0.0055	UJ	0.0049	UJ	0.0051	UJ	0.17	
Methyl Tertbutyl Ether	62	500	1,000	MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	U
Methylene chloride	51	500	1,000	MG/KG	0.0071	UJ	0.0094	UJ	0.0048	UJ	0.0055	UJ	0.0049	UJ	0.0051	UJ	0.058	U
Styrene				MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	U
Tetrachloroethene	5.5	150	300	MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	U
Toluene	100	500	1,000	MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	U
trans-1,2-Dichloroethene	100	500	1,000	MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	U

Waste Acid Pit Investigation October 2013
Complete Analytical Results

				Location	DP-10		DP-10		DP-10		DP-11		DP-11		DP-12		DP-12	
				Sample ID	401003-DP010008		401003-DP010008D		401003-DP010016		401003-DP011008		401003-DP011016		401003-DP012004		401003-DP012016	
				Sample Date	10/2/2013		10/2/2013		10/2/2013		10/2/2013		10/2/2013		10/2/2013		10/2/2013	
				Media	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
				Qc Code	FS		FD		FS		FS		FS		FS		FS	
				Depth (ft)	8'		8'		16'		8'		16'		4'		16'	
Parameter	**Res**	**Com**	**Ind**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
trans-1,3-Dichloropropene				MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	UJ
Trichloroethene	10	200	400	MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	U
Trichlorofluoromethane				MG/KG	0.0071	UJ	0.0087	UJ	0.0048	UJ	0.0055	UJ	0.0049	UJ	0.0051	UJ	0.058	U
Vinyl chloride	0.21	13	27	MG/KG	0.0071	U	0.0087	U	0.0048	UJ	0.0055	U	0.0049	U	0.0051	U	0.058	U
Xylene, o	100	500	1,000	MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	U
Xylenes (m&p)	100	500	1,000	MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	U
Xylenes, Total	100	500	1,000	MG/KG	0.0071	U	0.0087	U	0.0048	U	0.0055	U	0.0049	U	0.0051	U	0.058	U
Semi-volatile Orgnic Compounds by EPA Method 8270																		
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
2,4,5-Trichlorophenol	NA	NA	NA	MG/KG	0.76	U	0.79	U	0.76	U	0.75	U	0.75	U	0.75	U	R	
2,4,6-Trichlorophenol	NA	NA	NA	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
2,4-Dichlorophenol	NA	NA	NA	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
2,4-Dimethylphenol	NA	NA	NA	MG/KG	0.37	UJ	0.39	UJ	0.37	UJ	0.37	UJ	0.37	UJ	0.37	U	R	
2,4-Dinitrophenol	NA	NA	NA	MG/KG	0.76	UJ	0.79	UJ	0.76	UJ	0.75	UJ	0.75	UJ	0.75	UJ	R	
2,4-Dinitrotoluene	NA	NA	NA	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
2,6-Dinitrotoluene	NA	NA	NA	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
2-Chloronaphthalene	NA	NA	NA	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
2-Chlorophenol	NA	NA	NA	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
2-Methylnaphthalene	NA	NA	NA	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
2-Methylphenol	100	500	1,000	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
2-Nitroaniline	NA	NA	NA	MG/KG	0.76	UJ	0.79	UJ	0.76	UJ	0.75	UJ	0.75	UJ	0.75	U	R	
2-Nitrophenol	NA	NA	NA	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
3,3'-Dichlorobenzidine	NA	NA	NA	MG/KG	0.37	UJ	0.39	UJ	0.37	UJ	0.37	UJ	0.37	UJ	0.37	U	R	
3-Nitroaniline	NA	NA	NA	MG/KG	0.76	U	0.79	U	0.76	UJ	0.75	U	0.75	U	0.75	U	R	
4,6-Dinitro-2-methylphenol	NA	NA	NA	MG/KG	0.76	UJ	0.79	UJ	0.76	UJ	0.44	J	0.75	UJ	0.75	UJ	R	
4-Bromophenyl phenyl ether	NA	NA	NA	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
4-Chloro-3-methylphenol	NA	NA	NA	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
4-Chloroaniline	NA	NA	NA	MG/KG	0.37	UJ	0.39	UJ	0.37	UJ	0.37	UJ	0.37	UJ	0.37	U	R	
4-Chlorophenyl phenyl ether	NA	NA	NA	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
4-Methylphenol	34	500	1,000	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
4-Nitroaniline	NA	NA	NA	MG/KG	0.76	U	0.79	U	0.76	U	0.75	U	0.75	U	0.75	U	R	
4-Nitrophenol	NA	NA	NA	MG/KG	0.76	U	0.79	U	0.76	U	0.75	U	0.75	U	0.75	U	R	
Acenaphthene	100	500	1,000	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
Acenaphthylene	100	500	1,000	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
Acetophenone	NA	NA	NA	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
Anthracene	100	500	1,000	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
Atrazine	NA	NA	NA	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
Benzaldehyde	NA	NA	NA	MG/KG	0.37	UJ	0.39	UJ	0.37	UJ	0.37	UJ	0.37	UJ	0.37	UJ	R	
Benzo(a)anthracene	1	5.6	11	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.16	J	R	
Benzo(a)pyrene	1	1	1.1	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.17	J	R	
Benzo(b)fluoranthene	1	5.6	11	MG/KG	0.37	U	0.39	U	0.37	U	0.097	J	0.37	U	0.21	J	R	
Benzo(ghi)perylene	100	500	1,000	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.12	J	R	
Benzo(k)fluoranthene	1	56	110	MG/KG	0.37	UJ	0.39	UJ	0.37	U	0.37	UJ	0.37	U	0.15	J	R	
Biphenyl	NA	NA	NA	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
Bis(2-Chloroethoxy)methane	NA	NA	NA	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
Bis(2-Chloroethyl)ether	NA	NA	NA	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
Bis(2-Chloroisopropyl)ether	NA	NA	NA	MG/KG	0.37	UJ	0.39	UJ	0.37	UJ	0.37	UJ	0.37	UJ	0.37	UJ	R	

Waste Acid Pit Investigation October 2013
Complete Analytical Results

				Location	DP-10		DP-10		DP-10		DP-11		DP-11		DP-12		DP-12	
				Sample ID	401003-DP010008		401003-DP010008D		401003-DP010016		401003-DP011008		401003-DP011016		401003-DP012004		401003-DP012016	
				Sample Date	10/2/2013		10/2/2013		10/2/2013		10/2/2013		10/2/2013		10/2/2013		10/2/2013	
				Media	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
				Qc Code	FS		FD		FS		FS		FS		FS		FS	
				Depth (ft)	8'		8'		16'		8'		16'		4'		16'	
Parameter	**Res**	**Com**	**Ind**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Bis(2-Ethylhexyl)phthalate	NA	NA	NA	MG/KG	0.37	U	0.39	U	0.37	U	0.089	J	0.075	J	0.37	U	R	
Butylbenzylphthalate	NA	NA	NA	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
Caprolactam	NA	NA	NA	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
Carbazole	NA	NA	NA	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
Chrysene	1	56	110	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.22	J	R	
Di-n-butylphthalate	NA	NA	NA	MG/KG	0.13	J	0.085	J	0.37	U	0.37	U	0.37	U	0.37	U	R	
Di-n-octylphthalate	NA	NA	NA	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
Dibenz(a,h)anthracene	0.33	0.56	1.1	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
Dibenzofuran	14	350	1,000	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
Diethylphthalate	NA	NA	NA	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
Dimethylphthalate	NA	NA	NA	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
Fluoranthene	100	500	1,000	MG/KG	0.37	U	0.39	U	0.37	U	0.095	J	0.37	U	0.29	J	R	
Fluorene	100	500	1,000	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
Hexachlorobenzene	0.33	6	12	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
Hexachlorobutadiene	NA	NA	NA	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
Hexachlorocyclopentadiene	NA	NA	NA	MG/KG	0.37	U	0.39	U	0.37	UJ	0.37	U	0.37	U	0.37	U	R	
Hexachloroethane	NA	NA	NA	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
Indeno(1,2,3-cd)pyrene	0.5	5.6	11	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.11	J	R	
Isophorone	NA	NA	NA	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
N-Nitrosodi-n-propylamine	NA	NA	NA	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
N-Nitrosodiphenylamine	NA	NA	NA	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
Naphthalene	100	500	1,000	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
Nitrobenzene	NA	NA	NA	MG/KG	0.37	UJ	0.39	UJ	0.37	UJ	0.37	UJ	0.37	UJ	0.37	U	R	
Pentachlorophenol	2.4	6.7	55	MG/KG	0.76	UJ	0.79	UJ	0.76	UJ	0.73	J	0.21	J	0.75	U	R	
Phenanthrene	100	500	1,000	MG/KG	0.095	J	0.094	J	0.37	U	0.075	J	0.37	U	0.22	J	R	
Phenol	100	500	1,000	MG/KG	0.37	U	0.39	U	0.37	U	0.37	U	0.37	U	0.37	U	R	
Pyrene	100	500	1,000	MG/KG	0.37	U	0.39	U	0.37	U	0.1	J	0.37	U	0.26	J	R	
Pesticides by EPA Method 8081																		
4,4'-DDD	2.6	92	180	MG/KG	0.0038	UJ	0.0039	UJ	0.0038	U	0.0042	UJ	0.0038	UJ	0.0037	UJ	0.0038	UJ
4,4'-DDE	1.8	62	120	MG/KG	0.0038	UJ	0.0039	UJ	0.0038	U	0.0037	UJ	0.0038	UJ	0.0037	UJ	0.0038	UJ
4,4'-DDT	1.7	47	94	MG/KG	0.0038	UJ	0.0039	UJ	0.0038	U	0.0071	UJ	0.0038	UJ	0.0076	UJ	0.0038	UJ
Aldrin	0.019	0.68	1.4	MG/KG	0.002	U	0.002	U	0.002	U	0.0019	U	0.0019	U	0.0019	U	0.002	U
Alpha-BHC	0.097	3.4	6.8	MG/KG	0.002	UJ	0.002	UJ	0.002	U	0.0019	UJ	0.0019	UJ	0.0019	UJ	0.002	UJ
Alpha-Chlordane	0.91	24	47	MG/KG	0.002	U	0.002	U	0.002	U	0.0019	U	0.0019	U	0.0022	U	0.002	U
Beta-BHC	0.072	3	14	MG/KG	0.002	UJ	0.002	UJ	0.002	U	0.0019	UJ	0.0019	UJ	0.0019	UJ	0.002	UJ
Delta-BHC	100	500	1,000	MG/KG	0.002	UJ	0.002	UJ	0.002	U	0.0019	UJ	0.0019	UJ	0.0019	UJ	0.002	UJ
Dieldrin	0.039	1.4	2.8	MG/KG	0.0038	U	0.0039	U	0.0038	U	0.0037	U	0.0038	U	0.0037	U	0.0038	U
Endosulfan I	4.8	200	920	MG/KG	0.002	U	0.002	U	0.002	U	0.0019	U	0.0019	U	0.0019	U	0.002	U
Endosulfan II	4.8	200	920	MG/KG	0.0038	U	0.0039	U	0.0038	U	0.0037	U	0.0038	U	0.0037	U	0.0038	U
Endosulfan sulfate	4.8	200	920	MG/KG	0.0038	UJ	0.0039	UJ	0.0038	U	0.006	UJ	0.0038	UJ	0.0037	UJ	0.0038	UJ
Endrin	2.2	89	410	MG/KG	0.0038	UJ	0.0039	UJ	0.0038	U	0.0037	UJ	0.0038	UJ	0.0037	UJ	0.0038	UJ
Endrin aldehyde	NA	NA	NA	MG/KG	0.0038	UJ	0.0039	UJ	0.0038	U	0.0037	UJ	0.0038	UJ	0.0037	UJ	0.0038	UJ
Endrin ketone	NA	NA	NA	MG/KG	0.0038	UJ	0.0039	UJ	0.0038	U	0.0037	UJ	0.0038	UJ	0.0037	UJ	0.0038	UJ
Gamma-BHC/Lindane	0.28	9.2	23	MG/KG	0.002	UJ	0.002	UJ	0.002	U	0.0019	UJ	0.0019	UJ	0.0019	UJ	0.002	UJ
Gamma-Chlordane	NA	NA	NA	MG/KG	0.002	U	0.002	U	0.002	U	0.0019	U	0.0019	U	0.0019	U	0.002	U
Heptachlor	0.42	15	29	MG/KG	0.002	U	0.002	U	0.002	U	0.0019	U	0.0019	U	0.0019	U	0.002	U
Heptachlor epoxide	NA	NA	NA	MG/KG	0.002	U	0.002	U	0.002	U	0.0019	U	0.0019	U	0.0019	U	0.002	U

Waste Acid Pit Investigation October 2013
Complete Analytical Results

				Location	DP-10		DP-10		DP-10		DP-11		DP-11		DP-12		DP-12	
				Sample ID	401003-DP010008		401003-DP010008D		401003-DP010016		401003-DP011008		401003-DP011016		401003-DP012004		401003-DP012016	
				Sample Date	10/2/2013		10/2/2013		10/2/2013		10/2/2013		10/2/2013		10/2/2013		10/2/2013	
				Media	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
				Qc Code	FS		FD		FS		FS		FS		FS		FS	
				Depth (ft)	8'		8'		16'		8'		16'		4'		16'	
Parameter	**Res**	**Com**	**Ind**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Methoxychlor	NA	NA	NA	MG/KG	0.02	U	0.02	U	0.02	U	0.019	U	0.019	U	0.019	U	0.02	U
Toxaphene	NA	NA	NA	MG/KG	0.2	U	0.2	U	0.2	U	0.19	U	0.19	U	0.19	U	0.2	U
Poly Chlorinated Biphenyls by EPA Method 8082																		
Aroclor-1016	1	1	25	MG/KG	0.038	U	0.039	U	0.038	U	0.037	U	0.038	U	0.037	U	0.038	U
Aroclor-1221	1	1	25	MG/KG	0.038	U	0.039	U	0.038	U	0.037	U	0.038	U	0.037	U	0.038	U
Aroclor-1232	1	1	25	MG/KG	0.038	U	0.039	U	0.038	U	0.037	U	0.038	U	0.037	U	0.038	U
Aroclor-1242	1	1	25	MG/KG	0.038	U	0.039	U	0.038	U	0.037	U	0.038	U	0.037	U	0.038	U
Aroclor-1248	1	1	25	MG/KG	0.038	U	0.039	U	0.038	U	0.037	U	0.038	U	0.037	U	0.038	U
Aroclor-1254	1	1	25	MG/KG	0.038	U	0.039	U	0.038	U	0.037	U	0.038	U	0.037	U	0.038	U
Aroclor-1260	1	1	25	MG/KG	0.038	U	0.039	U	0.038	U	0.039		0.038	U	0.017	NJ	0.038	U
Aroclor-1262	1	1	25	MG/KG	0.038	U	0.039	U	0.038	U	0.037	U	0.038	U	0.037	U	0.038	U
Aroclor-1268	1	1	25	MG/KG	0.038	U	0.039	U	0.038	U	0.037	U	0.038	U	0.037	U	0.038	U
Hexavalent Chromium by USEPA Method 7199																		
Chromium, Hexavalent	22	400	800	MG/KG	0.12	J	2.3		0.66		9.05		0.3	J	3.69		0.47	U
Extractable Total Petroleum Hydrocarbons (ETPH) by USEPA Method 8015D																		
ETPH	NA	NA	NA	MG/KG														
pH by USEPA Method 4500																		
pH	NA	NA	NA	PH UNITS	8.5		8.1		8.6		7.3		7.3		7.7		7.3	
Percent Moisture by USEPA Method ASTMD2216																		
Percent Moisture	NA	NA	NA	PERCENT	15		16		14		12		13		12		14	

Notes:
FS= field sample; FD=field duplicate
mg/Kg = milligram per kilogram
NA- not applicable
Criteria: NYSDEC Part 375 Soil Cleanup Objectives
Res= residential scenario
Com= commercial scenario
Ind= industrial scemario
Qualifiers:
U= not detected at detection limit
J= estimated
R= result is rejected

Waste Acid Pit Investigation October 2013
Complete Analytical Results

				Location	DP-13		DP-13		DP-14		DP-14		DP-15		DP-15		DP-16	
				Sample ID	401003-DP013008		401003-DP013016		401003-DP014004		401003-DP014016		401003-DP015004		401003-DP015016		401003-DP016008	
				Sample Date	10/2/2013		10/2/2013		10/2/2013		10/2/2013		10/3/2013		10/3/2013		10/3/2013	
				Media	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
				Qc Code	FS		FS		FS		FS		FS		FS		FS	
				Depth (ft)	8'		16'		4'		16'		4'		16'		8'	
Parameter	**Res**	**Com**	**Ind**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Volatile Organic Compounds by EPA Method 8260																		
1,1,1-Trichloroethane	100	500	1,000	MG/KG	0.0045	U	0.055	UJ	0.0055	U	0.0049	U	0.0062	U	0.05	UJ	0.0052	U
1,1,2,2-Tetrachloroethane				MG/KG	0.0045	U	0.055	UJ	0.0055	U	0.0049	UJ	0.0062	U	0.05	UJ	0.0052	U
1,1,2-Trichloro-1,2,2-Trifluoroethane				MG/KG	0.0045	UJ	0.055	U	0.0055	UJ	0.0049	UJ	0.0062	UJ	0.05	U	0.0052	UJ
1,1,2-Trichloroethane				MG/KG	0.0045	U	0.055	U	0.0055	U	0.0049	U	0.0062	U	0.05	U	0.0052	U
1,1-Dichloroethane	19	240	480	MG/KG	0.0045	U	0.055	U	0.0055	U	0.0049	U	0.0062	U	0.05	U	0.0052	U
1,1-Dichloroethene	100	500	1,000	MG/KG	0.0045	U	0.055	U	0.0055	U	0.0049	U	0.0062	U	0.05	U	0.0052	U
1,2,3-Trichlorobenzene				MG/KG	0.0045	U	0.055	U	0.0055	U	0.0049	UJ	0.0062	U	0.05	U	0.0052	U
1,2,4-Trichlorobenzene				MG/KG	0.0045	U	0.055	U	0.0055	U	0.0049	UJ	0.0062	U	0.05	U	0.0052	U
1,2-Dibromo-3-chloropropane				MG/KG	0.0045	U	0.055	U	0.0055	U	0.0049	UJ	0.0062	U	0.05	U	0.0052	U
1,2-Dibromoethane				MG/KG	0.0045	U	0.055	U	0.0055	U	0.0049	UJ	0.0062	U	0.05	U	0.0052	U
1,2-Dichlorobenzene	100	500	1,000	MG/KG	0.0045	U	0.055	U	0.0055	U	0.0049	UJ	0.0062	U	0.05	U	0.0052	U
1,2-Dichloroethane	2.3	30	60	MG/KG	0.0045	U	0.055	U	0.0055	U	0.0049	U	0.0062	U	0.05	U	0.0052	U
1,2-Dichloropropane				MG/KG	0.0045	U	0.055	U	0.0055	U	0.0049	U	0.0062	U	0.05	U	0.0052	U
1,3-Dichlorobenzene	17	280	560	MG/KG	0.0045	U	0.055	U	0.0055	U	0.0049	UJ	0.0062	U	0.05	U	0.0052	U
1,4-Dichlorobenzene	9.8	130	250	MG/KG	0.0045	U	0.055	U	0.0055	U	0.0049	UJ	0.0062	U	0.05	U	0.0052	U
1,4-Dioxane	9.8	130	250	MG/KG	R		R		R		R		R		R		R	
2-Butanone	100	500	1,000	MG/KG	R		R		R		0.0093	J	R		R		R	
2-Hexanone				MG/KG	0.0045	UJ	0.28	U	0.0055	UJ	0.0049	UJ	0.0062	UJ	0.25	U	0.0052	UJ
4-Methyl-2-pentanone				MG/KG	0.0045	U	0.28	U	0.0055	U	0.0049	U	0.0062	U	0.25	U	0.0052	U
Acetic acid, methyl ester				MG/KG	0.0045	U	0.055	U	0.0055	U	0.0049	U	0.0062	U	0.05	U	0.0052	U
Acetone	100	500	1,000	MG/KG	0.0045	U	0.28	U	0.0055	U	0.031	J	0.0062	U	0.25	U	0.0052	U
Benzene	2.9	44	89	MG/KG	0.0045	U	0.055	U	0.0055	U	0.0049	U	0.0062	U	0.05	U	0.0052	U
Bromochloromethane				MG/KG	0.0045	U	0.055	U	0.0055	U	0.0049	U	0.0062	U	0.05	U	0.0052	U
Bromodichloromethane				MG/KG	0.0045	U	0.055	UJ	0.0055	U	0.0049	UJ	0.0062	U	0.05	UJ	0.0052	U
Bromoform				MG/KG	0.0045	U	0.055	U	0.0055	U	0.0049	UJ	0.0062	U	0.05	U	0.0052	U
Bromomethane				MG/KG	0.0045	U	0.055	UJ	0.0055	U	0.0049	U	0.0062	U	0.05	UJ	0.0052	U
Carbon disulfide				MG/KG	0.0045	U	0.055	U	0.0055	U	0.0049	U	0.0062	U	0.05	U	0.0052	U
Carbon tetrachloride	1.4	22	44	MG/KG	0.0045	U	0.055	UJ	0.0055	U	0.0049	U	0.0062	U	0.05	UJ	0.0052	U
Chlorobenzene	100	500	1,000	MG/KG	0.0045	U	0.055	U	0.0055	U	0.0049	UJ	0.0062	U	0.05	U	0.0052	U
Chlorodibromomethane				MG/KG	0.0045	U	0.055	U	0.0055	U	0.0049	U	0.0062	U	0.05	U	0.0052	U
Chloroethane				MG/KG	0.0045	U	0.055	U	0.0055	U	0.0049	U	0.0062	U	0.05	U	0.0052	U
Chloroform	10	350	700	MG/KG	0.0045	U	0.055	U	0.0055	U	0.0049	U	0.0062	U	0.05	U	0.0052	U
Chloromethane				MG/KG	0.0045	U	0.055	U	0.0055	U	0.0049	U	0.0062	U	0.05	U	0.0052	U
Cis-1,2-Dichloroethene	59	500	1,000	MG/KG	0.0045	U	0.055	U	0.0055	U	0.0049	U	0.0062	U	0.05	U	0.0052	U
cis-1,3-Dichloropropene				MG/KG	0.0045	U	0.055	UJ	0.0055	U	0.0049	U	0.0062	U	0.05	UJ	0.0052	U
Cyclohexane				MG/KG	0.0045	U	0.055	U	0.0055	U	0.0049	U	0.0062	U	0.05	U	0.0052	U
Dichlorodifluoromethane				MG/KG	0.0045	U	0.055	UJ	0.0055	U	0.0049	U	0.0062	U	0.05	UJ	0.0052	U
Ethyl benzene	30	390	780	MG/KG	0.0045	U	0.055	U	0.0055	U	0.0039	J	0.0062	U	0.05	U	0.0052	U
Isopropylbenzene				MG/KG	0.0045	U	0.75		0.0055	U	0.049	J	0.0062	U	0.47		0.0052	U
Methyl cyclohexane				MG/KG	0.0045	U	0.17		0.0055	U	0.026	J	0.0062	U	0.1		0.0052	U
Methyl Tertbutyl Ether	62	500	1,000	MG/KG	0.0045	U	0.055	U	0.0055	U	0.0049	U	0.0062	U	0.05	U	0.0052	U
Methylene chloride	51	500	1,000	MG/KG	0.0045	UJ	0.055	U	0.0055	UJ	0.0049	UJ	0.0062	UJ	0.05	U	0.0052	UJ
Styrene				MG/KG	0.0045	U	0.055	U	0.0055	U	0.0049	UJ	0.0062	U	0.05	U	0.0052	U
Tetrachloroethene	5.5	150	300	MG/KG	0.0045	U	0.055	U	0.0055	U	0.0031	J	0.0062	U	0.05	U	0.0052	U
Toluene	100	500	1,000	MG/KG	0.0045	U	0.055	U	0.0055	U	0.0049	U	0.0062	U	0.05	U	0.0052	U
trans-1,2-Dichloroethene	100	500	1,000	MG/KG	0.0045	U	0.055	U	0.0055	U	0.0049	U	0.0062	U	0.05	U	0.0052	U

Waste Acid Pit Investigation October 2013
Complete Analytical Results

				Location	DP-13		DP-13		DP-14		DP-14		DP-15		DP-15		DP-16	
				Sample ID	401003-DP013008		401003-DP013016		401003-DP014004		401003-DP014016		401003-DP015004		401003-DP015016		401003-DP016008	
				Sample Date	10/2/2013		10/2/2013		10/2/2013		10/2/2013		10/3/2013		10/3/2013		10/3/2013	
				Media	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
				Qc Code	FS		FS		FS		FS		FS		FS		FS	
				Depth (ft)	8'		16'		4'		16'		4'		16'		8'	
Parameter	**Res**	**Com**	**Ind**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
trans-1,3-Dichloropropene				MG/KG	0.0045	U	0.055	UJ	0.0055	U	0.0049	U	0.0062	U	0.05	UJ	0.0052	U
Trichloroethene	10	200	400	MG/KG	0.0045	U	0.055	U	0.0055	U	0.0049	U	0.0062	U	0.05	U	0.0052	U
Trichlorofluoromethane				MG/KG	0.0045	U	0.055	U	0.0055	U	0.0049	U	0.0062	U	0.05	U	0.0052	U
Vinyl chloride	0.21	13	27	MG/KG	0.0045	U	0.055	U	0.0055	U	0.0049	U	0.0062	U	0.05	U	0.0052	U
Xylene, o	100	500	1,000	MG/KG	0.0045	U	0.055	U	0.0055	U	0.01	J	0.0062	U	0.05	U	0.0052	U
Xylenes (m&p)	100	500	1,000	MG/KG	0.0045	U	0.055	U	0.0055	U	0.0097	J	0.0062	U	0.05	U	0.0052	U
Xylenes, Total	100	500	1,000	MG/KG	0.0045	U	0.055	U	0.0055	U	0.02	J	0.0062	U	0.05	U	0.0052	U
Semi-volatile Orgnic Compounds by EPA Method 8270																		
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
2,4,5-Trichlorophenol	NA	NA	NA	MG/KG	0.78	U	0.75	UJ	0.71	U	0.76	U	0.71	U	0.73	U	0.78	U
2,4,6-Trichlorophenol	NA	NA	NA	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
2,4-Dichlorophenol	NA	NA	NA	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
2,4-Dimethylphenol	NA	NA	NA	MG/KG	0.38	UJ	0.37	UJ	0.35	UJ	0.37	UJ	0.35	U	0.36	U	0.38	UJ
2,4-Dinitrophenol	NA	NA	NA	MG/KG	0.78	UJ	0.75	UJ	0.71	UJ	0.76	UJ	0.71	UJ	0.73	UJ	0.78	UJ
2,4-Dinitrotoluene	NA	NA	NA	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
2,6-Dinitrotoluene	NA	NA	NA	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
2-Chloronaphthalene	NA	NA	NA	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
2-Chlorophenol	NA	NA	NA	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
2-Methylnaphthalene	NA	NA	NA	MG/KG	0.38	U	2.3		0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
2-Methylphenol	100	500	1,000	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
2-Nitroaniline	NA	NA	NA	MG/KG	0.78	UJ	0.75	UJ	0.71	UJ	0.76	UJ	0.71	UJ	0.73	UJ	0.78	UJ
2-Nitrophenol	NA	NA	NA	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
3,3'-Dichlorobenzidine	NA	NA	NA	MG/KG	0.38	UJ	0.37	UJ	0.35	UJ	0.37	UJ	0.35	U	0.36	U	0.38	UJ
3-Nitroaniline	NA	NA	NA	MG/KG	0.78	U	0.75	UJ	0.71	U	0.76	U	0.71	U	0.73	U	0.78	U
4,6-Dinitro-2-methylphenol	NA	NA	NA	MG/KG	0.78	UJ	0.75	UJ	0.71	UJ	0.76	UJ	0.71	UJ	0.73	UJ	0.78	UJ
4-Bromophenyl phenyl ether	NA	NA	NA	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
4-Chloro-3-methylphenol	NA	NA	NA	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
4-Chloroaniline	NA	NA	NA	MG/KG	0.38	UJ	0.37	UJ	0.35	UJ	0.37	UJ	0.35	U	0.36	U	0.38	UJ
4-Chlorophenyl phenyl ether	NA	NA	NA	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
4-Methylphenol	34	500	1,000	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
4-Nitroaniline	NA	NA	NA	MG/KG	0.78	U	0.75	UJ	0.71	U	0.76	U	0.71	U	0.73	U	0.78	U
4-Nitrophenol	NA	NA	NA	MG/KG	0.78	U	0.75	UJ	0.71	U	0.76	U	0.71	U	0.73	U	0.78	U
Acenaphthene	100	500	1,000	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
Acenaphthylene	100	500	1,000	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
Acetophenone	NA	NA	NA	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
Anthracene	100	500	1,000	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.18	J	0.38	U
Atrazine	NA	NA	NA	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
Benzaldehyde	NA	NA	NA	MG/KG	0.38	UJ	0.37	UJ	0.35	UJ	0.37	UJ	0.35	UJ	0.36	UJ	0.38	UJ
Benzo(a)anthracene	1	5.6	11	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
Benzo(a)pyrene	1	1	1.1	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
Benzo(b)fluoranthene	1	5.6	11	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
Benzo(ghi)perylene	100	500	1,000	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
Benzo(k)fluoranthene	1	56	110	MG/KG	0.38	UJ	0.37	UJ	0.35	UJ	0.37	UJ	0.35	UJ	0.36	UJ	0.38	U
Biphenyl	NA	NA	NA	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
Bis(2-Chloroethoxy)methane	NA	NA	NA	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
Bis(2-Chloroethyl)ether	NA	NA	NA	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
Bis(2-Chloroisopropyl)ether	NA	NA	NA	MG/KG	0.38	UJ	0.37	UJ	0.35	UJ	0.37	UJ	0.35	UJ	0.36	UJ	0.38	UJ

Waste Acid Pit Investigation October 2013
Complete Analytical Results

				Location	DP-13		DP-13		DP-14		DP-14		DP-15		DP-15		DP-16	
				Sample ID	401003-DP013008		401003-DP013016		401003-DP014004		401003-DP014016		401003-DP015004		401003-DP015016		401003-DP016008	
				Sample Date	10/2/2013		10/2/2013		10/2/2013		10/2/2013		10/3/2013		10/3/2013		10/3/2013	
				Media	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
				Qc Code	FS		FS		FS		FS		FS		FS		FS	
				Depth (ft)	8'		16'		4'		16'		4'		16'		8'	
Parameter	**Res**	**Com**	**Ind**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Bis(2-Ethylhexyl)phthalate	NA	NA	NA	MG/KG	0.38	U	0.14	J	0.13	J	0.16		0.35	U	0.085	J	0.38	U
Butylbenzylphthalate	NA	NA	NA	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
Caprolactam	NA	NA	NA	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
Carbazole	NA	NA	NA	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
Chrysene	1	56	110	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
Di-n-butylphthalate	NA	NA	NA	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
Di-n-octylphthalate	NA	NA	NA	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
Dibenz(a,h)anthracene	0.33	0.56	1.1	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
Dibenzofuran	14	350	1,000	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
Diethylphthalate	NA	NA	NA	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
Dimethylphthalate	NA	NA	NA	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
Fluoranthene	100	500	1,000	MG/KG	0.13	J	0.37	UJ	0.098	J	0.37	U	0.35	U	0.36	U	0.38	U
Fluorene	100	500	1,000	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.82		0.38	U
Hexachlorobenzene	0.33	6	12	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
Hexachlorobutadiene	NA	NA	NA	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
Hexachlorocyclopentadiene	NA	NA	NA	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
Hexachloroethane	NA	NA	NA	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
Indeno(1,2,3-cd)pyrene	0.5	5.6	11	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
Isophorone	NA	NA	NA	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
N-Nitrosodi-n-propylamine	NA	NA	NA	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
N-Nitrosodiphenylamine	NA	NA	NA	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
Naphthalene	100	500	1,000	MG/KG	0.095	J	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
Nitrobenzene	NA	NA	NA	MG/KG	0.38	UJ	0.37	UJ	0.35	UJ	0.37	UJ	0.35	UJ	0.36	UJ	0.38	UJ
Pentachlorophenol	2.4	6.7	55	MG/KG	0.78	UJ	0.75	UJ	0.71	UJ	0.76	UJ	0.71	U	0.73	U	0.78	UJ
Phenanthrene	100	500	1,000	MG/KG	0.18	J	0.37	UJ	0.35	U	1.3		0.35	U	1		0.38	U
Phenol	100	500	1,000	MG/KG	0.38	U	0.37	UJ	0.35	U	0.37	U	0.35	U	0.36	U	0.38	U
Pyrene	100	500	1,000	MG/KG	0.12	J	0.68		0.08	J	0.15		0.35	U	0.36	U	0.38	U
Pesticides by EPA Method 8081																		
4,4'-DDD	2.6	92	180	MG/KG	0.0039	UJ	0.0037	UJ	0.0061	UJ	0.0037	UJ	0.0035	UJ	0.0037	UJ	0.0039	UJ
4,4'-DDE	1.8	62	120	MG/KG	0.0039	UJ	0.0037	UJ	0.0035	UJ	0.0037	UJ	0.0035	UJ	0.0037	UJ	0.0039	UJ
4,4'-DDT	1.7	47	94	MG/KG	0.0039	UJ	0.0037	UJ	0.013	UJ	0.0037	UJ	0.0035	UJ	0.0037	UJ	0.0039	UJ
Aldrin	0.019	0.68	1.4	MG/KG	0.002	U	0.0019	U	0.0018	U	0.0019	U	0.0018	U	0.0019	U	0.002	U
Alpha-BHC	0.097	3.4	6.8	MG/KG	0.002	UJ	0.0019	UJ	0.0018	UJ	0.0019	UJ	0.0018	UJ	0.0019	UJ	0.002	UJ
Alpha-Chlordane	0.91	24	47	MG/KG	0.002	U	0.0019	U	0.0018	U	0.0019	U	0.0018	U	0.0019	U	0.002	U
Beta-BHC	0.072	3	14	MG/KG	0.002	UJ	0.0019	UJ	0.0018	UJ	0.0019	UJ	0.0018	UJ	0.0019	UJ	0.002	UJ
Delta-BHC	100	500	1,000	MG/KG	0.002	UJ	0.0019	UJ	0.0043	UJ	0.0019	UJ	0.0018	UJ	0.0019	UJ	0.002	UJ
Dieldrin	0.039	1.4	2.8	MG/KG	0.0039	U	0.0037	U	0.0035	U	0.0037	U	0.0035	U	0.0037	U	0.0039	U
Endosulfan I	4.8	200	920	MG/KG	0.002	U	0.0019	U	0.0018	U	0.0019	U	0.0018	U	0.0019	U	0.002	U
Endosulfan II	4.8	200	920	MG/KG	0.0039	U	0.0037	U	0.0035	U	0.0037	U	0.0035	U	0.0037	U	0.0039	U
Endosulfan sulfate	4.8	200	920	MG/KG	0.0039	UJ	0.0037	UJ	0.0058	UJ	0.0037	UJ	0.0035	UJ	0.0037	UJ	0.0039	UJ
Endrin	2.2	89	410	MG/KG	0.0039	UJ	0.0037	UJ	0.0035	UJ	0.0037	UJ	0.0035	UJ	0.0037	UJ	0.0039	UJ
Endrin aldehyde	NA	NA	NA	MG/KG	0.0039	UJ	0.0037	UJ	0.0035	UJ	0.0037	UJ	0.0035	UJ	0.0037	UJ	0.0039	UJ
Endrin ketone	NA	NA	NA	MG/KG	0.0039	UJ	0.0037	UJ	0.0035	UJ	0.0037	UJ	0.0035	UJ	0.0037	UJ	0.0039	UJ
Gamma-BHC/Lindane	0.28	9.2	23	MG/KG	0.002	UJ	0.0019	UJ	0.0018	UJ	0.0019	UJ	0.0018	UJ	0.0019	UJ	0.002	UJ
Gamma-Chlordane	NA	NA	NA	MG/KG	0.002	U	0.0019	U	0.0018	U	0.0019	U	0.0018	U	0.0019	U	0.002	U
Heptachlor	0.42	15	29	MG/KG	0.002	U	0.0019	U	0.0018	U	0.0019	U	0.0018	U	0.0019	U	0.002	U
Heptachlor epoxide	NA	NA	NA	MG/KG	0.002	U	0.0019	U	0.0018	U	0.0019	U	0.0018	U	0.0019	U	0.002	U

Waste Acid Pit Investigation October 2013
Complete Analytical Results

				Location	DP-13		DP-13		DP-14		DP-14		DP-15		DP-15		DP-16	
				Sample ID	401003-DP013008		401003-DP013016		401003-DP014004		401003-DP014016		401003-DP015004		401003-DP015016		401003-DP016008	
				Sample Date	10/2/2013		10/2/2013		10/2/2013		10/2/2013		10/3/2013		10/3/2013		10/3/2013	
				Media	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
				Qc Code	FS		FS		FS		FS		FS		FS		FS	
				Depth (ft)	8'		16'		4'		16'		4'		16'		8'	
Parameter	**Res**	**Com**	**Ind**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Methoxychlor	NA	NA	NA	MG/KG	0.02	U	0.019	U	0.018	U	0.019	U	0.018	U	0.019	U	0.02	U
Toxaphene	NA	NA	NA	MG/KG	0.2	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.2	U
Poly Chlorinated Biphenyls by EPA Method 8082																		
Aroclor-1016	1	1	25	MG/KG	0.039	U	0.037	U	0.035	U	0.037	U	0.035	U	0.037	U	0.039	U
Aroclor-1221	1	1	25	MG/KG	0.039	U	0.037	U	0.035	U	0.037	U	0.035	U	0.037	U	0.039	U
Aroclor-1232	1	1	25	MG/KG	0.039	U	0.037	U	0.035	U	0.037	U	0.035	U	0.037	U	0.039	U
Aroclor-1242	1	1	25	MG/KG	0.039	U	0.037	U	0.035	U	0.037	U	0.035	U	0.037	U	0.039	U
Aroclor-1248	1	1	25	MG/KG	0.039	U	0.037	U	0.081		0.037	U	0.035	U	0.037	U	0.039	U
Aroclor-1254	1	1	25	MG/KG	0.039	U	0.037	U	0.035	U	0.037	U	0.035	U	0.037	U	0.039	U
Aroclor-1260	1	1	25	MG/KG	0.039	U	0.037	U	0.039	J	0.037	U	0.035	U	0.037	U	0.039	U
Aroclor-1262	1	1	25	MG/KG	0.039	U	0.037	U	0.035	U	0.037	U	0.035	U	0.037	U	0.039	U
Aroclor-1268	1	1	25	MG/KG	0.039	U	0.037	U	0.035	U	0.037	U	0.035	U	0.037	U	0.039	U
Hexavalent Chromium by USEPA Method 7199																		
Chromium, Hexavalent	22	400	800	MG/KG	5.2		0.46	U	15.8		65.2		5.99		0.46	U	34.9	
Extractable Total Petroleum Hydrocarbons (ETPH) by USEPA Method 8015D																		
ETPH	NA	NA	NA	MG/KG														
pH by USEPA Method 4500																		
pH	NA	NA	NA	PH UNITS	7.9		6.8		7.5		7.3		7.9		7.6		7.5	
Percent Moisture by USEPA Method ASTMD2216																		
Percent Moisture	NA	NA	NA	PERCENT	16		12		7.3	J	12		6.7	J	11		15	

Notes:
FS= field sample; FD=field duplicate
mg/Kg = milligram per kilogram
NA- not applicable
Criteria: NYSDEC Part 375 Soil Cleanup Objectives
Res= residential scenario
Com= commercial scenario
Ind= industrial scemario
Qualifiers:
U= not detected at detection limit
J= estimated
R= result is rejected

Waste Acid Pit Investigation October 2013
Complete Analytical Results

				Location	DP-16		DP-17		DP-17		DP-18		DP-18		DP-19		DP-19	
				Sample ID	401003-DP016016		401003-DP017008		401003-DP017016		401003-DP018004		401003-DP018016		401003-DP019008		401003-DP019016	
				Sample Date	10/3/2013		10/3/2013		10/3/2013		10/3/2013		10/3/2013		10/3/2013		10/3/2013	
				Media	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
				Qc Code	FS		FS		FS		FS		FS		FS		FS	
				Depth (ft)	16'		8'		16'		4'		16'		8'		16'	
Parameter	**Res**	**Com**	**Ind**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Volatile Organic Compounds by EPA Method 8260																		
1,1,1-Trichloroethane	100	500	1,000	MG/KG	0.061	U	0.0047	U	0.049	U	0.0037	U	0.038	U	0.0033	U	0.043	U
1,1,2,2-Tetrachloroethane				MG/KG	0.061	UJ	0.0047	U	0.049	UJ	0.0037	U	0.038	UJ	0.0033	U	0.043	UJ
1,1,2-Trichloro-1,2,2-Trifluoroethane				MG/KG	0.061	UJ	0.0047	UJ	0.049	UJ	0.0037	UJ	0.038	UJ	0.0033	UJ	0.043	UJ
1,1,2-Trichloroethane				MG/KG	0.061	U	0.0047	U	0.049	U	0.0037	U	0.038	U	0.0033	U	0.043	U
1,1-Dichloroethane	19	240	480	MG/KG	0.061	U	0.0047	U	0.049	U	0.0037	U	0.038	U	0.0033	U	0.043	U
1,1-Dichloroethene	100	500	1,000	MG/KG	0.061	U	0.0047	UJ	0.049	U	0.0037	UJ	0.038	U	0.0033	U	0.043	U
1,2,3-Trichlorobenzene				MG/KG	0.061	U	0.0047	U	0.049	U	0.0037	U	0.038	U	0.0033	U	0.043	U
1,2,4-Trichlorobenzene				MG/KG	0.061	UJ	0.0047	U	0.049	UJ	0.0037	U	0.038	UJ	0.0033	U	0.043	UJ
1,2-Dibromo-3-chloropropane				MG/KG	0.061	U	0.0047	U	0.55		0.0037	U	0.038	U	0.0033	U	0.043	U
1,2-Dibromoethane				MG/KG	0.061	U	0.0047	U	0.049	U	0.0037	U	0.038	U	0.0033	U	0.043	U
1,2-Dichlorobenzene	100	500	1,000	MG/KG	0.061	U	0.0047	U	0.049	U	0.0037	U	0.038	U	0.0033	U	0.043	U
1,2-Dichloroethane	2.3	30	60	MG/KG	0.061	U	0.0047	U	0.049	U	0.0037	U	0.038	U	0.0033	U	0.043	U
1,2-Dichloropropane				MG/KG	0.061	UJ	0.0047	U	0.049	UJ	0.0037	U	0.038	UJ	0.0033	U	0.043	UJ
1,3-Dichlorobenzene	17	280	560	MG/KG	0.061	U	0.0047	U	0.049	U	0.0037	U	0.038	U	0.0033	U	0.043	U
1,4-Dichlorobenzene	9.8	130	250	MG/KG	0.061	U	0.0047	U	0.049	U	0.0037	U	0.038	U	0.0033	U	0.043	U
1,4-Dioxane	9.8	130	250	MG/KG	R		R		R		R		R		R		R	
2-Butanone	100	500	1,000	MG/KG	R		R		R		R		R		R		R	
2-Hexanone				MG/KG	0.3	U	0.0047	UJ	0.25	U	0.0037	UJ	0.19	U	0.0033	UJ	0.21	U
4-Methyl-2-pentanone				MG/KG	0.3	U	0.0047	U	0.25	U	0.0037	U	0.19	U	0.0033	U	0.21	U
Acetic acid, methyl ester				MG/KG	0.061	U	0.0047	U	0.049	U	0.0037	U	0.038	U	0.0033	U	0.043	U
Acetone	100	500	1,000	MG/KG	R		0.0047	U	R		0.0037	U	R		0.0033	U	R	
Benzene	2.9	44	89	MG/KG	0.061	U	0.0047	U	0.049	U	0.0037	U	0.042		0.0033	U	0.043	U
Bromochloromethane				MG/KG	0.061	U	0.0047	U	0.049	U	0.0037	U	0.038	U	0.0033	U	0.043	U
Bromodichloromethane				MG/KG	0.061	U	0.0047	U	0.049	U	0.0037	U	0.038	U	0.0033	U	0.043	U
Bromoform				MG/KG	0.061	U	0.0047	U	0.049	U	0.0037	U	0.038	U	0.0033	U	0.043	U
Bromomethane				MG/KG	0.061	UJ	0.0047	U	0.049	UJ	0.0037	U	0.038	UJ	0.0033	U	0.043	UJ
Carbon disulfide				MG/KG	0.061	U	0.0047	U	0.049	U	0.0037	U	0.038	U	0.0033	U	0.043	U
Carbon tetrachloride	1.4	22	44	MG/KG	0.061	U	0.0047	U	0.049	U	0.0037	U	0.038	U	0.0033	U	0.043	U
Chlorobenzene	100	500	1,000	MG/KG	0.061	U	0.0047	U	0.049	U	0.0037	U	0.038	U	0.0033	U	0.043	U
Chlorodibromomethane				MG/KG	0.061	U	0.0047	U	0.049	U	0.0037	U	0.038	U	0.0033	U	0.043	U
Chloroethane				MG/KG	0.061	U	0.0047	U	0.049	U	0.0037	U	0.038	U	0.0033	U	0.043	U
Chloroform	10	350	700	MG/KG	0.061	U	0.0047	U	0.049	U	0.0037	U	0.038	U	0.0033	U	0.043	U
Chloromethane				MG/KG	0.061	U	0.0047	U	0.049	U	0.0037	U	0.038	U	0.0033	U	0.043	U
Cis-1,2-Dichloroethene	59	500	1,000	MG/KG	0.061	U	0.0047	U	0.049	U	0.0037	U	0.038	U	0.0033	U	0.043	U
cis-1,3-Dichloropropene				MG/KG	0.061	UJ	0.0047	U	0.049	UJ	0.0037	U	0.038	UJ	0.0033	U	0.043	UJ
Cyclohexane				MG/KG	0.061	U	0.0047	U	0.049	U	0.0037	U	0.038	U	0.0033	UJ	0.043	U
Dichlorodifluoromethane				MG/KG	0.061	UJ	0.0047	U	0.049	UJ	0.0037	U	0.038	UJ	0.0033	UJ	0.043	UJ
Ethyl benzene	30	390	780	MG/KG	0.061	U	0.0047	U	0.049	U	0.0037	U	0.12		0.0033	U	0.043	U
Isopropylbenzene				MG/KG	0.048	J	0.0047	U	0.52		0.0037	U	0.5		0.0033	U	3.6	
Methyl cyclohexane				MG/KG	0.061	U	0.0047	U	0.21		0.0037	U	0.36		0.0033	U	0.58	
Methyl Tertbutyl Ether	62	500	1,000	MG/KG	0.061	U	0.0047	U	0.049	U	0.0037	U	0.038	U	0.0033	U	0.043	U
Methylene chloride	51	500	1,000	MG/KG	0.061	U	0.0047	UJ	0.049	U	0.0037	UJ	0.038	U	0.0033	UJ	0.043	U
Styrene				MG/KG	0.061	U	0.0047	U	0.049	U	0.0037	U	0.038	U	0.0033	U	0.043	U
Tetrachloroethene	5.5	150	300	MG/KG	0.061	U	0.0047	U	0.049	U	0.0037	U	0.038	U	0.0033	U	0.043	U
Toluene	100	500	1,000	MG/KG	0.061	U	0.0047	U	0.049	U	0.0037	U	0.046		0.0033	U	0.043	U
trans-1,2-Dichloroethene	100	500	1,000	MG/KG	0.061	UJ	0.0047	U	0.049	UJ	0.0037	U	0.038	UJ	0.0033	U	0.043	UJ

Waste Acid Pit Investigation October 2013
Complete Analytical Results

				Location	DP-16		DP-17		DP-17		DP-18		DP-18		DP-19		DP-19	
				Sample ID	401003-DP016016		401003-DP017008		401003-DP017016		401003-DP018004		401003-DP018016		401003-DP019008		401003-DP019016	
				Sample Date	10/3/2013		10/3/2013		10/3/2013		10/3/2013		10/3/2013		10/3/2013		10/3/2013	
				Media	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
				Qc Code	FS		FS		FS		FS		FS		FS		FS	
				Depth (ft)	16'		8'		16'		4'		16'		8'		16'	
Parameter	**Res**	**Com**	**Ind**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
trans-1,3-Dichloropropene				MG/KG	0.061	U	0.0047	U	0.049	U	0.0037	U	0.038	U	0.0033	U	0.043	U
Trichloroethene	10	200	400	MG/KG	0.061	U	0.0047	U	0.049	U	0.0037	U	0.038	U	0.0033	U	0.043	U
Trichlorofluoromethane				MG/KG	0.061	UJ	0.0047	U	0.049	UJ	0.0037	U	0.038	UJ	0.0033	U	0.043	UJ
Vinyl chloride	0.21	13	27	MG/KG	0.061	U	0.0047	U	0.049	U	0.0037	U	0.038	U	0.0033	U	0.043	U
Xylene, o	100	500	1,000	MG/KG	0.061	UJ	0.0047	U	0.049	UJ	0.0037	U	0.058	J	0.0033	U	0.043	UJ
Xylenes (m&p)	100	500	1,000	MG/KG	0.061	U	0.0047	U	0.049	U	0.0037	U	0.13		0.0033	U	0.043	U
Xylenes, Total	100	500	1,000	MG/KG	0.061	U	0.0047	U	0.049	U	0.0037	U	0.19		0.0033	U	0.043	U
Semi-volatile Orgnic Compounds by EPA Method 8270																		
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	MG/KG	4	U	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U	1.9	U
2,4,5-Trichlorophenol	NA	NA	NA	MG/KG	8.2	U	0.77	U	0.76	U	0.75	U	0.77	U	0.74	U	3.9	U
2,4,6-Trichlorophenol	NA	NA	NA	MG/KG	4	U	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U	1.9	U
2,4-Dichlorophenol	NA	NA	NA	MG/KG	4	U	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U	1.9	U
2,4-Dimethylphenol	NA	NA	NA	MG/KG	4	U	0.38	UJ	0.37	U	0.37	U	0.38	UJ	0.37	UJ	1.9	UJ
2,4-Dinitrophenol	NA	NA	NA	MG/KG	8.2	UJ	0.77	UJ	0.76	UJ	0.75	UJ	0.77	UJ	0.74	UJ	3.9	UJ
2,4-Dinitrotoluene	NA	NA	NA	MG/KG	4	U	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U	1.9	U
2,6-Dinitrotoluene	NA	NA	NA	MG/KG	4	U	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U	1.9	U
2-Chloronaphthalene	NA	NA	NA	MG/KG	4	U	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U	1.9	U
2-Chlorophenol	NA	NA	NA	MG/KG	4	U	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U	1.9	U
2-Methylnaphthalene	NA	NA	NA	MG/KG	26		0.38	U	0.37	U	0.082	J	0.38	U	0.37	U	1.9	U
2-Methylphenol	100	500	1,000	MG/KG	4	U	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U	1.9	U
2-Nitroaniline	NA	NA	NA	MG/KG	8.2	U	0.77	UJ	0.76	UJ	0.75	UJ	0.77	UJ	0.74	UJ	3.9	U
2-Nitrophenol	NA	NA	NA	MG/KG	4	U	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U	1.9	U
3,3'-Dichlorobenzidine	NA	NA	NA	MG/KG	4	U	0.38	UJ	0.37	U	0.37	U	0.38	UJ	0.37	UJ	1.9	UJ
3-Nitroaniline	NA	NA	NA	MG/KG	8.2	U	0.77	U	0.76	U	0.75	U	0.77	UJ	0.74	UJ	3.9	UJ
4,6-Dinitro-2-methylphenol	NA	NA	NA	MG/KG	8.2	U	0.77	UJ	0.76	UJ	0.75	UJ	0.77	UJ	0.74	UJ	3.9	U
4-Bromophenyl phenyl ether	NA	NA	NA	MG/KG	4	U	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U	1.9	U
4-Chloro-3-methylphenol	NA	NA	NA	MG/KG	4	U	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U	1.9	U
4-Chloroaniline	NA	NA	NA	MG/KG	4	U	0.38	UJ	0.37	U	0.37	U	0.38	UJ	0.37	UJ	1.9	UJ
4-Chlorophenyl phenyl ether	NA	NA	NA	MG/KG	4	U	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U	1.9	U
4-Methylphenol	34	500	1,000	MG/KG	4	U	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U	1.9	U
4-Nitroaniline	NA	NA	NA	MG/KG	8.2	U	0.77	U	0.76	U	0.75	U	0.77	U	0.74	U	3.9	U
4-Nitrophenol	NA	NA	NA	MG/KG	8.2	U	0.77	U	0.76	U	0.75	U	0.77	U	0.74	U	3.9	U
Acenaphthene	100	500	1,000	MG/KG	4	U	0.38	U	0.37	U	0.37		0.38	U	0.37	U	1.9	U
Acenaphthylene	100	500	1,000	MG/KG	4	U	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U	1.9	U
Acetophenone	NA	NA	NA	MG/KG	4	U	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U	1.9	U
Anthracene	100	500	1,000	MG/KG	1	J	0.38	U	0.37	U	0.74		0.38	U	0.37	U	1.9	U
Atrazine	NA	NA	NA	MG/KG	4	U	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U	1.9	U
Benzaldehyde	NA	NA	NA	MG/KG	4	UJ	0.38	UJ	0.37	UJ	0.37	UJ	0.38	UJ	0.37	UJ	1.9	UJ
Benzo(a)anthracene	1	5.6	11	MG/KG	4	U	0.38	U	0.37	U	1.1		0.38	U	0.37	U	1.9	U
Benzo(a)pyrene	1	1	1.1	MG/KG	4	U	0.38	U	0.37	U	0.6		0.38	U	0.37	U	1.9	U
Benzo(b)fluoranthene	1	5.6	11	MG/KG	4	U	0.38	U	0.37	U	0.93		0.38	U	0.37	U	1.9	U
Benzo(ghi)perylene	100	500	1,000	MG/KG	4	U	0.38	U	0.37	U	0.17	J	0.38	U	0.37	U	1.9	U
Benzo(k)fluoranthene	1	56	110	MG/KG	4	U	0.38	U	0.37	UJ	0.7	J	0.38	UJ	0.37	UJ	1.9	U
Biphenyl	NA	NA	NA	MG/KG	4	U	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U	1.9	U
Bis(2-Chloroethoxy)methane	NA	NA	NA	MG/KG	4	U	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U	1.9	U
Bis(2-Chloroethyl)ether	NA	NA	NA	MG/KG	4	U	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U	1.9	U
Bis(2-Chloroisopropyl)ether	NA	NA	NA	MG/KG	4	UJ	0.38	UJ	0.37	UJ	0.37	UJ	0.38	UJ	0.37	UJ	1.9	UJ

Waste Acid Pit Investigation October 2013
Complete Analytical Results

				Location	DP-16		DP-17		DP-17		DP-18		DP-18		DP-19		DP-19	
				Sample ID	401003-DP016016		401003-DP017008		401003-DP017016		401003-DP018004		401003-DP018016		401003-DP019008		401003-DP019016	
				Sample Date	10/3/2013		10/3/2013		10/3/2013		10/3/2013		10/3/2013		10/3/2013		10/3/2013	
				Media	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
				Qc Code	FS		FS		FS		FS		FS		FS		FS	
				Depth (ft)	16'		8'		16'		4'		16'		8'		16'	
Parameter	**Res**	**Com**	**Ind**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Bis(2-Ethylhexyl)phthalate	NA	NA	NA	MG/KG	4	U	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U	1.9	U
Butylbenzylphthalate	NA	NA	NA	MG/KG	4	U	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U	1.9	U
Caprolactam	NA	NA	NA	MG/KG	4	U	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U	1.9	U
Carbazole	NA	NA	NA	MG/KG	4	U	0.38	U	0.37	U	0.35	J	0.38	U	0.37	U	1.9	U
Chrysene	1	56	110	MG/KG	4	U	0.38	U	0.37	U	1.1		0.38	U	0.37	U	1.9	U
Di-n-butylphthalate	NA	NA	NA	MG/KG	4	U	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U	1.9	U
Di-n-octylphthalate	NA	NA	NA	MG/KG	4	U	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U	1.9	U
Dibenz(a,h)anthracene	0.33	0.56	1.1	MG/KG	4	U	0.38	U	0.37	U	0.11	J	0.38	U	0.37	U	1.9	U
Dibenzofuran	14	350	1,000	MG/KG	4	U	0.38	U	0.37	U	0.26	J	0.38	U	0.37	U	1.9	U
Diethylphthalate	NA	NA	NA	MG/KG	4	U	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U	1.9	U
Dimethylphthalate	NA	NA	NA	MG/KG	4	U	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U	1.9	U
Fluoranthene	100	500	1,000	MG/KG	4	U	0.38	U	0.37	U	2.6		0.38	U	0.1	J	1.9	U
Fluorene	100	500	1,000	MG/KG	5.2		0.38	U	1.3		0.5		1.6		0.37	U	8.5	
Hexachlorobenzene	0.33	6	12	MG/KG	4	U	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U	1.9	U
Hexachlorobutadiene	NA	NA	NA	MG/KG	4	U	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U	1.9	U
Hexachlorocyclopentadiene	NA	NA	NA	MG/KG	4	U	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U	1.9	U
Hexachloroethane	NA	NA	NA	MG/KG	4	U	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U	1.9	U
Indeno(1,2,3-cd)pyrene	0.5	5.6	11	MG/KG	4	U	0.38	U	0.37	U	0.45		0.38	U	0.37	U	1.9	U
Isophorone	NA	NA	NA	MG/KG	4	U	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U	1.9	U
N-Nitrosodi-n-propylamine	NA	NA	NA	MG/KG	4	U	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U	1.9	U
N-Nitrosodiphenylamine	NA	NA	NA	MG/KG	4	U	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U	1.9	U
Naphthalene	100	500	1,000	MG/KG	1.9	J	0.38	U	0.37	U	0.22	J	0.38	U	0.37	U	1.5	J
Nitrobenzene	NA	NA	NA	MG/KG	4	U	0.38	UJ	0.37	UJ	0.37	UJ	0.38	UJ	0.37	UJ	1.9	U
Pentachlorophenol	2.4	6.7	55	MG/KG	8.2	U	0.77	UJ	0.76	U	0.75	U	0.77	UJ	0.74	UJ	3.9	UJ
Phenanthrene	100	500	1,000	MG/KG	10		0.38	U	1.3		2.9		1.5		0.12	J	20	
Phenol	100	500	1,000	MG/KG	4	U	0.38	U	0.37	U	0.37	U	0.38	U	0.37	U	1.9	U
Pyrene	100	500	1,000	MG/KG	4	U	0.38	U	0.25	J	1.8		0.28	J	0.087	J	1.6	J
Pesticides by EPA Method 8081																		
4,4'-DDD	2.6	92	180	MG/KG	0.015	UJ	0.0038	UJ	0.0038	UJ	0.071	U	0.0039	UJ	0.0038	UJ	0.0039	UJ
4,4'-DDE	1.8	62	120	MG/KG	0.0041	UJ	0.0038	UJ	0.0038	UJ	0.011	U	0.0039	UJ	0.0038	UJ	0.0039	UJ
4,4'-DDT	1.7	47	94	MG/KG	0.0041	UJ	0.0038	UJ	0.0038	UJ	0.067	UJ	0.0039	UJ	0.0038	UJ	0.0039	UJ
Aldrin	0.019	0.68	1.4	MG/KG	0.0024	UJ	0.002	U	0.002	U	0.0056	U	0.002	U	0.0019	U	0.002	U
Alpha-BHC	0.097	3.4	6.8	MG/KG	0.0075	UJ	0.002	UJ	0.002	UJ	0.0056	U	0.002	UJ	0.0019	UJ	0.002	UJ
Alpha-Chlordane	0.91	24	47	MG/KG	0.0021	U	0.002	U	0.002	U	0.0056	U	0.002	U	0.0019	U	0.002	U
Beta-BHC	0.072	3	14	MG/KG	0.0049	UJ	0.002	UJ	0.002	UJ	0.0056	U	0.002	UJ	0.0019	UJ	0.002	UJ
Delta-BHC	100	500	1,000	MG/KG	0.01	UJ	0.002	UJ	0.002	UJ	0.0056	U	0.002	UJ	0.0019	UJ	0.002	UJ
Dieldrin	0.039	1.4	2.8	MG/KG	0.0051	UJ	0.0038	U	0.0038	U	0.026	UJ	0.0039	U	0.0038	U	0.0039	U
Endosulfan I	4.8	200	920	MG/KG	0.0021	U	0.002	U	0.002	U	0.0056	U	0.002	U	0.0019	U	0.002	U
Endosulfan II	4.8	200	920	MG/KG	0.0056	UJ	0.0038	U	0.0038	U	0.011	U	0.0039	U	0.0038	U	0.0039	U
Endosulfan sulfate	4.8	200	920	MG/KG	0.0041	UJ	0.0038	UJ	0.0038	UJ	0.011	U	0.0039	UJ	0.0038	UJ	0.0039	UJ
Endrin	2.2	89	410	MG/KG	0.0062	UJ	0.0038	UJ	0.0038	UJ	0.011	U	0.0039	UJ	0.0038	UJ	0.0039	UJ
Endrin aldehyde	NA	NA	NA	MG/KG	0.0077	UJ	0.0038	UJ	0.0038	UJ	0.011	U	0.0039	UJ	0.0038	UJ	0.0039	UJ
Endrin ketone	NA	NA	NA	MG/KG	0.0041	UJ	0.0038	UJ	0.0038	UJ	0.011	U	0.0039	UJ	0.0038	UJ	0.0039	UJ
Gamma-BHC/Lindane	0.28	9.2	23	MG/KG	0.0021	UJ	0.002	UJ	0.002	UJ	0.0056	U	0.002	UJ	0.0019	UJ	0.002	UJ
Gamma-Chlordane	NA	NA	NA	MG/KG	0.0021	U	0.002	U	0.002	U	0.0056	U	0.002	U	0.0019	U	0.002	U
Heptachlor	0.42	15	29	MG/KG	0.0049	UJ	0.002	U	0.002	U	0.0056	U	0.002	U	0.0019	U	0.002	U
Heptachlor epoxide	NA	NA	NA	MG/KG	0.0035	UJ	0.002	U	0.002	U	0.0056	U	0.002	U	0.0019	U	0.002	U

Waste Acid Pit Investigation October 2013
Complete Analytical Results

				Location	DP-16		DP-17		DP-17		DP-18		DP-18		DP-19		DP-19	
				Sample ID	401003-DP016016		401003-DP017008		401003-DP017016		401003-DP018004		401003-DP018016		401003-DP019008		401003-DP019016	
				Sample Date	10/3/2013		10/3/2013		10/3/2013		10/3/2013		10/3/2013		10/3/2013		10/3/2013	
				Media	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
				Qc Code	FS		FS		FS		FS		FS		FS		FS	
				Depth (ft)	16'		8'		16'		4'		16'		8'		16'	
Parameter	**Res**	**Com**	**Ind**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Methoxychlor	NA	NA	NA	MG/KG	0.021	U	0.02	U	0.02	U	0.056	U	0.02	U	0.019	U	0.02	U
Toxaphene	NA	NA	NA	MG/KG	0.21	U	0.2	U	0.2	U	0.56	U	0.2	U	0.19	U	0.2	U
Poly Chlorinated Biphenyls by EPA Method 8082																		
Aroclor-1016	1	1	25	MG/KG	0.041	U	0.038	U	0.038	U	0.036	U	0.039	U	0.038	U	0.039	U
Aroclor-1221	1	1	25	MG/KG	0.041	U	0.038	U	0.038	U	0.036	U	0.039	U	0.038	U	0.039	U
Aroclor-1232	1	1	25	MG/KG	0.041	U	0.038	U	0.038	U	0.036	U	0.039	U	0.038	U	0.039	U
Aroclor-1242	1	1	25	MG/KG	0.041	U	0.038	U	0.038	U	0.036	U	0.039	U	0.038	U	0.039	U
Aroclor-1248	1	1	25	MG/KG	0.041	U	0.038	U	0.038	U	0.036	U	0.039	U	0.038	U	0.039	U
Aroclor-1254	1	1	25	MG/KG	0.041	U	0.038	U	0.038	U	0.036	U	0.039	U	0.038	U	0.039	U
Aroclor-1260	1	1	25	MG/KG	0.041	U	0.038	U	0.038	U	0.33		0.018	J	0.038	U	0.039	U
Aroclor-1262	1	1	25	MG/KG	0.041	U	0.038	U	0.038	U	0.036	U	0.039	U	0.038	U	0.039	U
Aroclor-1268	1	1	25	MG/KG	0.041	U	0.038	U	0.038	U	0.036	U	0.039	U	0.038	U	0.039	U
Hexavalent Chromium by USEPA Method 7199																		
Chromium, Hexavalent	22	400	800	MG/KG	0.81		2.22		0.46	U	9.7		0.46	U	0.56		0.45	U
Extractable Total Petroleum Hydrocarbons (ETPH) by USEPA Method 8015D																		
ETPH	NA	NA	NA	MG/KG	13000													
pH by USEPA Method 4500																		
pH	NA	NA	NA	PH UNITS	7		7.5		6.9		8		7		7.8		7.1	
Percent Moisture by USEPA Method ASTMD2216																		
Percent Moisture	NA	NA	NA	PERCENT	19		14		13		11		15		13		16	

Notes:
FS= field sample; FD=field duplicate
mg/Kg = milligram per kilogram
NA- not applicable
Criteria: NYSDEC Part 375 Soil Cleanup Objectives
Res= residential scenario
Com= commercial scenario
Ind= industrial scemario
Qualifiers:
U= not detected at detection limit
J= estimated
R= result is rejected

Waste Acid Pit Investigation October 2013
Complete Analytical Results

				Location	DP-20		DP-20	
				Sample ID	401003-DP020008		401003-DP020016	
				Sample Date	10/3/2013		10/3/2013	
				Media	SOIL		SOIL	
				Qc Code	FS		FS	
				Depth (ft)	8'		16'	
Parameter	**Res**	**Com**	**Ind**	**Units**	Result	Qualifier	Result	Qualifier
Volatile Organic Compounds by EPA Method 8260								
1,1,1-Trichloroethane	100	500	1,000	MG/KG	0.006	U	0.044	U
1,1,2,2-Tetrachloroethane				MG/KG	0.006	U	0.044	UJ
1,1,2-Trichloro-1,2,2-Trifluoroethane				MG/KG	0.006	UJ	0.044	UJ
1,1,2-Trichloroethane				MG/KG	0.006	U	0.044	U
1,1-Dichloroethane	19	240	480	MG/KG	0.006	U	0.044	U
1,1-Dichloroethene	100	500	1,000	MG/KG	0.006	U	0.044	U
1,2,3-Trichlorobenzene				MG/KG	0.006	U	0.044	U
1,2,4-Trichlorobenzene				MG/KG	0.006	U	0.044	UJ
1,2-Dibromo-3-chloropropane				MG/KG	0.006	U	0.044	U
1,2-Dibromoethane				MG/KG	0.006	U	0.044	U
1,2-Dichlorobenzene	100	500	1,000	MG/KG	0.006	U	0.044	U
1,2-Dichloroethane	2.3	30	60	MG/KG	0.006	U	0.044	U
1,2-Dichloropropane				MG/KG	0.006	U	0.044	UJ
1,3-Dichlorobenzene	17	280	560	MG/KG	0.006	U	0.044	U
1,4-Dichlorobenzene	9.8	130	250	MG/KG	0.006	U	0.044	U
1,4-Dioxane	9.8	130	250	MG/KG		R		R
2-Butanone	100	500	1,000	MG/KG	0.043	J		R
2-Hexanone				MG/KG	0.006	UJ	0.22	U
4-Methyl-2-pentanone				MG/KG	0.006	U	0.22	U
Acetic acid, methyl ester				MG/KG	0.006	U	0.044	U
Acetone	100	500	1,000	MG/KG	0.017			R
Benzene	2.9	44	89	MG/KG	0.013		0.044	U
Bromochloromethane				MG/KG	0.006	U	0.044	U
Bromodichloromethane				MG/KG	0.006	U	0.044	U
Bromoform				MG/KG	0.006	U	0.044	U
Bromomethane				MG/KG	0.006	U	0.044	UJ
Carbon disulfide				MG/KG	0.006	U	0.044	U
Carbon tetrachloride	1.4	22	44	MG/KG	0.006	U	0.044	U
Chlorobenzene	100	500	1,000	MG/KG	0.006	U	0.044	U
Chlorodibromomethane				MG/KG	0.006	U	0.044	U
Chloroethane				MG/KG	0.006	U	0.044	U
Chloroform	10	350	700	MG/KG	0.006	U	0.044	U
Chloromethane				MG/KG	0.006	U	0.044	U
Cis-1,2-Dichloroethene	59	500	1,000	MG/KG	0.006	U	0.044	U
cis-1,3-Dichloropropene				MG/KG	0.006	U	0.044	UJ
Cyclohexane				MG/KG	0.006	UJ	0.044	U
Dichlorodifluoromethane				MG/KG	0.006	UJ	0.044	UJ
Ethyl benzene	30	390	780	MG/KG	0.006	U	0.044	U
Isopropylbenzene				MG/KG	0.006	U	0.76	
Methyl cyclohexane				MG/KG	0.006	U	0.63	
Methyl Tertbutyl Ether	62	500	1,000	MG/KG	0.006	U	0.044	U
Methylene chloride	51	500	1,000	MG/KG	0.006	UJ	0.044	U
Styrene				MG/KG	0.006	U	0.044	U
Tetrachloroethene	5.5	150	300	MG/KG	0.006	U	0.044	U
Toluene	100	500	1,000	MG/KG	0.006	U	0.044	U
trans-1,2-Dichloroethene	100	500	1,000	MG/KG	0.006	U	0.044	UJ

Prepared by: BJS 1/30/2014
Reviewed by: JMF 2/7/2014

Waste Acid Pit Investigation October 2013
Complete Analytical Results

				Location	DP-20		DP-20	
				Sample ID	401003-DP020008		401003-DP020016	
				Sample Date	10/3/2013		10/3/2013	
				Media	SOIL		SOIL	
				Qc Code	FS		FS	
				Depth (ft)	8'		16'	
Parameter	**Res**	**Com**	**Ind**	**Units**	Result	Qualifier	Result	Qualifier
trans-1,3-Dichloropropene				MG/KG	0.006	U	0.044	U
Trichloroethene	10	200	400	MG/KG	0.006	U	0.044	U
Trichlorofluoromethane				MG/KG	0.006	U	0.044	UJ
Vinyl chloride	0.21	13	27	MG/KG	0.006	U	0.044	U
Xylene, o	100	500	1,000	MG/KG	0.006	U	0.044	UJ
Xylenes (m&p)	100	500	1,000	MG/KG	0.006	U	0.044	U
Xylenes, Total	100	500	1,000	MG/KG	0.006	U	0.044	U
Semi-volatile Orgnic Compounds by EPA Method 8270								
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	MG/KG	0.38	U	1.9	U
2,4,5-Trichlorophenol	NA	NA	NA	MG/KG	0.76	U	3.9	U
2,4,6-Trichlorophenol	NA	NA	NA	MG/KG	0.38	U	1.9	U
2,4-Dichlorophenol	NA	NA	NA	MG/KG	0.38	U	1.9	U
2,4-Dimethylphenol	NA	NA	NA	MG/KG	0.38	UJ	1.9	UJ
2,4-Dinitrophenol	NA	NA	NA	MG/KG	0.76	UJ	3.9	UJ
2,4-Dinitrotoluene	NA	NA	NA	MG/KG	0.38	U	1.9	U
2,6-Dinitrotoluene	NA	NA	NA	MG/KG	0.38	U	1.9	U
2-Chloronaphthalene	NA	NA	NA	MG/KG	0.38	U	1.9	U
2-Chlorophenol	NA	NA	NA	MG/KG	0.38	U	1.9	U
2-Methylnaphthalene	NA	NA	NA	MG/KG	0.38	U	1.9	U
2-Methylphenol	100	500	1,000	MG/KG	0.38	U	1.9	U
2-Nitroaniline	NA	NA	NA	MG/KG	0.76	UJ	3.9	U
2-Nitrophenol	NA	NA	NA	MG/KG	0.38	U	1.9	U
3,3'-Dichlorobenzidine	NA	NA	NA	MG/KG	0.38	UJ	1.9	UJ
3-Nitroaniline	NA	NA	NA	MG/KG	0.76	UJ	3.9	UJ
4,6-Dinitro-2-methylphenol	NA	NA	NA	MG/KG	0.76	UJ	3.9	U
4-Bromophenyl phenyl ether	NA	NA	NA	MG/KG	0.38	U	1.9	U
4-Chloro-3-methylphenol	NA	NA	NA	MG/KG	0.38	U	1.9	U
4-Chloroaniline	NA	NA	NA	MG/KG	0.38	UJ	1.9	UJ
4-Chlorophenyl phenyl ether	NA	NA	NA	MG/KG	0.38	U	1.9	U
4-Methylphenol	34	500	1,000	MG/KG	0.38	U	1.9	U
4-Nitroaniline	NA	NA	NA	MG/KG	0.76	U	3.9	U
4-Nitrophenol	NA	NA	NA	MG/KG	0.76	U	3.9	U
Acenaphthene	100	500	1,000	MG/KG	0.38	U	1.9	U
Acenaphthylene	100	500	1,000	MG/KG	0.38	U	1.9	U
Acetophenone	NA	NA	NA	MG/KG	0.38	U	1.9	U
Anthracene	100	500	1,000	MG/KG	0.38	U	1.2	J
Atrazine	NA	NA	NA	MG/KG	0.38	U	1.9	U
Benzaldehyde	NA	NA	NA	MG/KG	0.38	UJ	1.9	UJ
Benzo(a)anthracene	1	5.6	11	MG/KG	0.38	U	1.9	U
Benzo(a)pyrene	1	1	1.1	MG/KG	0.38	U	1.9	U
Benzo(b)fluoranthene	1	5.6	11	MG/KG	0.38	U	1.9	U
Benzo(ghi)perylene	100	500	1,000	MG/KG	0.38	U	1.9	U
Benzo(k)fluoranthene	1	56	110	MG/KG	0.38	UJ	1.9	U
Biphenyl	NA	NA	NA	MG/KG	0.38	U	1.9	U
Bis(2-Chloroethoxy)methane	NA	NA	NA	MG/KG	0.38	U	1.9	U
Bis(2-Chloroethyl)ether	NA	NA	NA	MG/KG	0.38	U	1.9	U
Bis(2-Chloroisopropyl)ether	NA	NA	NA	MG/KG	0.38	UJ	1.9	UJ

Prepared by: BJS 1/30/2014
Reviewed by: JMF 2/7/2014

Waste Acid Pit Investigation October 2013
Complete Analytical Results

				Location	DP-20		DP-20	
				Sample ID	401003-DP020008		401003-DP020016	
				Sample Date	10/3/2013		10/3/2013	
				Media	SOIL		SOIL	
				Qc Code	FS		FS	
				Depth (ft)	8'		16'	
Parameter	**Res**	**Com**	**Ind**	**Units**	Result	Qualifier	Result	Qualifier
Bis(2-Ethylhexyl)phthalate	NA	NA	NA	MG/KG	0.38	U	1.9	U
Butylbenzylphthalate	NA	NA	NA	MG/KG	0.38	U	1.9	U
Caprolactam	NA	NA	NA	MG/KG	0.38	U	1.9	U
Carbazole	NA	NA	NA	MG/KG	0.38	U	1.9	U
Chrysene	1	56	110	MG/KG	0.38	U	1.9	U
Di-n-butylphthalate	NA	NA	NA	MG/KG	0.38	U	1.9	U
Di-n-octylphthalate	NA	NA	NA	MG/KG	0.38	U	1.9	U
Dibenz(a,h)anthracene	0.33	0.56	1.1	MG/KG	0.38	U	1.9	U
Dibenzofuran	14	350	1,000	MG/KG	0.38	U	1.9	U
Diethylphthalate	NA	NA	NA	MG/KG	0.38	U	1.9	U
Dimethylphthalate	NA	NA	NA	MG/KG	0.38	U	1.9	U
Fluoranthene	100	500	1,000	MG/KG	0.38	U	0.69	J
Fluorene	100	500	1,000	MG/KG	0.38	U	4.5	
Hexachlorobenzene	0.33	6	12	MG/KG	0.38	U	1.9	U
Hexachlorobutadiene	NA	NA	NA	MG/KG	0.38	U	1.9	U
Hexachlorocyclopentadiene	NA	NA	NA	MG/KG	0.38	U	1.9	U
Hexachloroethane	NA	NA	NA	MG/KG	0.38	U	1.9	U
Indeno(1,2,3-cd)pyrene	0.5	5.6	11	MG/KG	0.38	U	1.9	U
Isophorone	NA	NA	NA	MG/KG	0.38	U	1.9	U
N-Nitrosodi-n-propylamine	NA	NA	NA	MG/KG	0.38	U	1.9	U
N-Nitrosodiphenylamine	NA	NA	NA	MG/KG	0.38	U	1.9	U
Naphthalene	100	500	1,000	MG/KG	0.38	U	1.9	U
Nitrobenzene	NA	NA	NA	MG/KG	0.38	UJ	1.9	U
Pentachlorophenol	2.4	6.7	55	MG/KG	0.76	UJ	3.9	UJ
Phenanthrene	100	500	1,000	MG/KG	0.11	J	12	
Phenol	100	500	1,000	MG/KG	0.38	U	1.9	U
Pyrene	100	500	1,000	MG/KG	0.38	U	0.84	J
Pesticides by EPA Method 8081								
4,4'-DDD	2.6	92	180	MG/KG	0.0038	UJ	0.0039	U
4,4'-DDE	1.8	62	120	MG/KG	0.0038	UJ	0.0039	U
4,4'-DDT	1.7	47	94	MG/KG	0.0038	UJ	0.0039	U
Aldrin	0.019	0.68	1.4	MG/KG	0.002	U	0.002	U
Alpha-BHC	0.097	3.4	6.8	MG/KG	0.002	UJ	0.002	U
Alpha-Chlordane	0.91	24	47	MG/KG	0.002	U	0.002	U
Beta-BHC	0.072	3	14	MG/KG	0.002	UJ	0.002	U
Delta-BHC	100	500	1,000	MG/KG	0.002	UJ	0.002	U
Dieldrin	0.039	1.4	2.8	MG/KG	0.0038	U	0.0039	U
Endosulfan I	4.8	200	920	MG/KG	0.002	U	0.002	U
Endosulfan II	4.8	200	920	MG/KG	0.0038	U	0.0039	U
Endosulfan sulfate	4.8	200	920	MG/KG	0.0064	J	0.0039	U
Endrin	2.2	89	410	MG/KG	0.0038	UJ	0.0039	U
Endrin aldehyde	NA	NA	NA	MG/KG	0.0038	UJ	0.0039	U
Endrin ketone	NA	NA	NA	MG/KG	0.0038	UJ	0.0039	U
Gamma-BHC/Lindane	0.28	9.2	23	MG/KG	0.002	UJ	0.002	U
Gamma-Chlordane	NA	NA	NA	MG/KG	0.002	U	0.002	U
Heptachlor	0.42	15	29	MG/KG	0.002	U	0.002	U
Heptachlor epoxide	NA	NA	NA	MG/KG	0.002	U	0.002	U

Prepared by: BJS 1/30/2014
Reviewed by: JMF 2/7/2014

Waste Acid Pit Investigation October 2013
Complete Analytical Results

				Location	DP-20		DP-20	
				Sample ID	401003-DP020008		401003-DP020016	
				Sample Date	10/3/2013		10/3/2013	
				Media	SOIL		SOIL	
				Qc Code	FS		FS	
				Depth (ft)	8'		16'	
Parameter	**Res**	**Com**	**Ind**	**Units**	Result	Qualifier	Result	Qualifier
Methoxychlor	NA	NA	NA	MG/KG	0.02	U	0.02	U
Toxaphene	NA	NA	NA	MG/KG	0.2	U	0.2	U
Poly Chlorinated Biphenyls by EPA Method 8082								
Aroclor-1016	1	1	25	MG/KG	0.038	U	0.039	U
Aroclor-1221	1	1	25	MG/KG	0.038	U	0.039	U
Aroclor-1232	1	1	25	MG/KG	0.038	U	0.039	U
Aroclor-1242	1	1	25	MG/KG	0.038	U	0.039	U
Aroclor-1248	1	1	25	MG/KG	0.038	U	0.039	U
Aroclor-1254	1	1	25	MG/KG	0.038	U	0.039	U
Aroclor-1260	1	1	25	MG/KG	0.038	U	0.039	U
Aroclor-1262	1	1	25	MG/KG	0.038	U	0.039	U
Aroclor-1268	1	1	25	MG/KG	0.038	U	0.039	U
Hexavalent Chromium by USEPA Method 7199								
Chromium, Hexavalent	22	400	800	MG/KG	3.73		0.45	U
Extractable Total Petroleum Hydrocarbons (ETPH) by USEPA Method 8015D								
ETPH	NA	NA	NA	MG/KG				
pH by USEPA Method 4500								
pH	NA	NA	NA	PH UNITS	8.6		7.5	
Percent Moisture by USEPA Method ASTMD2216								
Percent Moisture	NA	NA	NA	PERCENT	15		16	

Notes:
FS= field sample; FD=field duplicate
mg/Kg = milligram per kilogram
NA- not applicable
Criteria: NYSDEC Part 375 Soil Cleanup Objectives
Res= residential scenario
Com= commercial scenario
Ind= industrial scemario
Qualifiers:
U= not detected at detection limit
J= estimated
R= result is rejected

ATTACHMENT 5

PETROLEUM FINGERPRINT ANALYSIS RESULTS

Client: AMEC Environment & Infrastructure
Client Sample ID: 401003-DP016016 **Project:** AL Tech
Lab ID: M1908-17 **Collection Date:** 10/03/13 9:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8015D TPH -- Total Petroleum Hydrocarbons (TPH) by GC-FID							**TPH_S**
Extractable Total Petroleum Hydrocarbon	13000		85	mg/Kg	10	10/22/2013 13:39	74260
Surrogate: ortho-Terphenyl	123		50-150	%REC	10	10/22/2013 13:39	74260

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Analysis Report: Fuel Identification

AMEC

Project: AL Tech

Analysis: Fuel ID

Lab ID	Result
M1908-17A	Resembles Diesel Fuel/ #2 Fuel Oil

(*) Lab reference standards included:

Diesel Fuel/ #2 Fuel Oil
Motor Oil
#4 Fuel Oil
#5 Fuel Oil
#6 Fuel Oil
Unleaded Gasoline
Aviation Gasoline
Jet Fuel A
Kerosene
Creosote
Mineral Spirits
Hydraulic Oil
JP-4
JP-5
Transmission Fluid
Coal Tar
Transformer Oil