

May 28, 2015

Mike Isom
Kelly Tractor Co.
8255 NW 58 Street
Miami, FL 33166

RE: Workorder: M1501743 Hazardous Waste

Dear Mike Isom:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, May 06, 2015. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



David Herring
DHerring@AELLab.com

Enclosures

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SAMPLE SUMMARY

Workorder: M1501743 Hazardous Waste

Lab ID	Sample ID	Matrix	Date Collected	Date Received
M1501743001	Parts Washer 2	Soil	5/5/2015 00:00	5/6/2015 09:10
M1501743002	Parts Washer 3	Soil	5/5/2015 00:00	5/6/2015 09:10

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ANALYTICAL RESULTS

Workorder: M1501743 Hazardous Waste

Lab ID: **M1501743001** Date Received: 05/06/15 09:10 Matrix: Soil
Sample ID: **Parts Washer 2** Date Collected: 05/05/15 00:00

Results for sample M1501743001 are reported on a wet weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS, TCLP								
Analysis Desc: SW846 6010B			Preparation Method: SW-846 3010A					
Analysis, TCLP			Analytical Method: SW-846 6010					
Arsenic	0.050	U	mg/L	1	0.10	0.050	5/15/2015 14:23	M
Barium	0.087		mg/L	1	0.020	0.010	5/15/2015 14:23	M
Cadmium	0.0050	U	mg/L	1	0.0060	0.0050	5/15/2015 14:23	M
Chromium	0.025	U	mg/L	1	0.050	0.025	5/15/2015 14:23	M
Lead	0.013	I	mg/L	1	0.070	0.011	5/15/2015 14:23	M
Selenium	0.025	U	mg/L	1	0.20	0.025	5/15/2015 14:23	M
Silver	0.025	U	mg/L	1	0.040	0.025	5/15/2015 14:23	M

Analysis Desc: SW846 7470A			Preparation Method: SW-846 7470A					
Analysis, TCLP			Analytical Method: SW-846 7470A					
Mercury	0.000050	U	mg/L	1	0.00050	0.000050	5/18/2015 14:13	J

SEMIVOLATILES, TCLP

Analysis Desc: 8081A Pesticide			Preparation Method: SW-846 3510C					
Analysis, TCLP			Analytical Method: EPA 8081					
Chlordane (technical)	0.0030	U	mg/L	1	0.010	0.0030	5/20/2015 20:31	M
Heptachlor	0.000065	U	mg/L	1	0.0010	0.000065	5/20/2015 20:31	M
Heptachlor Epoxide	0.000040	U	mg/L	1	0.0010	0.000040	5/20/2015 20:31	M
Methoxychlor	0.00012	U	mg/L	1	0.0010	0.00012	5/20/2015 20:31	M
Toxaphene	0.0032	U	mg/L	1	0.010	0.0032	5/20/2015 20:31	M
gamma-BHC (Lindane)	0.00023	U	mg/L	1	0.0010	0.00023	5/20/2015 20:31	M
Tetrachloro-m-xylene (S)	82		%	1	42-129		5/20/2015 20:31	
Decachlorobiphenyl (S)	93		%	1	63-130		5/20/2015 20:31	

Analysis Desc: 8151A Herbicides			Preparation Method: 8151					
Analysis, TCLP			Analytical Method: EPA 8151					
2,4,5-T	130	U	ug/L	50	250	130	5/21/2015 16:19	J
2,4-D	450	U	ug/L	50	750	450	5/21/2015 16:19	J
Pentachlorophenol	74	U	ug/L	50	120	74	5/21/2015 16:19	J
Silvex (2,4,5-TP)	87	U	ug/L	50	250	87	5/21/2015 16:19	J
2,4-Dichlorophenylacetic acid (S)	0	1	%	50	46-122		5/21/2015 16:19	J

Analysis Desc: 8270C Analysis, TCLP			Preparation Method: SW-846 3510C					
			Analytical Method: SW-846 8270C					

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ANALYTICAL RESULTS

Workorder: M1501743 Hazardous Waste

Lab ID: **M1501743001**

Date Received: 05/06/15 09:10 Matrix: Soil

Sample ID: **Parts Washer 2**

Date Collected: 05/05/15 00:00

Results for sample M1501743001 are reported on a wet weight basis.

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
1,4-Dichlorobenzene	0.061	U	mg/L	1	0.25	0.061	5/26/2015 20:11	J
2,4,5-Trichlorophenol	0.048	U	mg/L	1	0.25	0.048	5/26/2015 20:11	J
2,4,6-Trichlorophenol	0.046	U	mg/L	1	0.25	0.046	5/26/2015 20:11	J
2,4-Dinitrotoluene (2,4-DNT)	0.030	U	mg/L	1	0.25	0.030	5/26/2015 20:11	J
2-Methylphenol (o-Cresol)	0.044	U	mg/L	1	0.25	0.044	5/26/2015 20:11	J
3+4-Methylphenol(mp-Cresol)	0.035	U	mg/L	1	0.50	0.035	5/26/2015 20:11	J
Hexachlorobenzene	0.049	U	mg/L	1	0.25	0.049	5/26/2015 20:11	J
Hexachlorobutadiene	0.044	U	mg/L	1	0.25	0.044	5/26/2015 20:11	J
Hexachloroethane	0.062	U	mg/L	1	0.25	0.062	5/26/2015 20:11	J
Nitrobenzene	0.057	U	mg/L	1	0.25	0.057	5/26/2015 20:11	J
Pentachlorophenol	0.048	U	mg/L	1	0.25	0.048	5/26/2015 20:11	J
Pyridine	0.063	U	mg/L	1	0.25	0.063	5/26/2015 20:11	J
2-Fluorophenol (S)	49		%	1	10-90		5/26/2015 20:11	
Phenol-d6 (S)	37		%	1	10-67		5/26/2015 20:11	
Nitrobenzene-d5 (S)	77		%	1	32-147		5/26/2015 20:11	
2-Fluorobiphenyl (S)	91		%	1	34-140		5/26/2015 20:11	
2,4,6-Tribromophenol (S)	114		%	1	19-190		5/26/2015 20:11	
p-Terphenyl-d14 (S)	110		%	1	54-138		5/26/2015 20:11	

VOLATILES, TCLP

Analysis Desc: 8260B Analysis, TCLP

Preparation Method: SW-846 5030B

Analytical Method: SW-846 8260B

1,1-Dichloroethylene	0.024	U	mg/L	50	0.050	0.024	5/21/2015 19:28	M
1,2-Dichloroethane	0.024	U	mg/L	50	0.050	0.024	5/21/2015 19:28	M
1,4-Dichlorobenzene	0.024	U	mg/L	50	0.050	0.024	5/21/2015 19:28	M
2-Butanone (MEK)	0.20	U	mg/L	50	0.25	0.20	5/21/2015 19:28	M
Benzene	0.018	U	mg/L	50	0.050	0.018	5/21/2015 19:28	M
Carbon Tetrachloride	0.022	U	mg/L	50	0.050	0.022	5/21/2015 19:28	M
Chlorobenzene	0.034	U	mg/L	50	0.050	0.034	5/21/2015 19:28	M
Chloroform	0.026	U	mg/L	50	0.050	0.026	5/21/2015 19:28	M
Tetrachloroethylene (PCE)	0.024	U	mg/L	50	0.050	0.024	5/21/2015 19:28	M
Trichloroethene	0.037	U	mg/L	50	0.050	0.037	5/21/2015 19:28	M
Vinyl Chloride	0.022	U	mg/L	50	0.050	0.022	5/21/2015 19:28	M
1,2-Dichloroethane-d4 (S)	83		%	50	80-120		5/21/2015 19:28	
Toluene-d8 (S)	93		%	50	81-117		5/21/2015 19:28	
Bromofluorobenzene (S)	97		%	50	74-121		5/21/2015 19:28	

WET CHEMISTRY

Analysis Desc: Flashpoint,SW1010,Soil

Analytical Method: SW 1010

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ANALYTICAL RESULTS

Workorder: M1501743 Hazardous Waste

Lab ID: **M1501743001** Date Received: 05/06/15 09:10 Matrix: Soil
Sample ID: **Parts Washer 2** Date Collected: 05/05/15 00:00

Results for sample M1501743001 are reported on a wet weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Ignitability (Flashpoint)	>200		°F	1	70	70	5/13/2015 14:00	J
Analysis Desc: Corrosivity, SM9040C, Soil		Analytical Method: SW 9040C						
pH	7.08		SU	1			5/8/2015 12:50	M^

Lab ID: **M1501743002** Date Received: 05/06/15 09:10 Matrix: Soil
Sample ID: **Parts Washer 3** Date Collected: 05/05/15 00:00

Results for sample M1501743002 are reported on a wet weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS, TCLP								
Analysis Desc: SW846 6010B		Preparation Method: SW-846 3010A						
Analysis, TCLP		Analytical Method: SW-846 6010						
Arsenic	0.050	U	mg/L	1	0.10	0.050	5/15/2015 14:26	M
Barium	0.34		mg/L	1	0.020	0.010	5/15/2015 14:26	M
Cadmium	0.0050	U	mg/L	1	0.0060	0.0050	5/15/2015 14:26	M
Chromium	0.042	I	mg/L	1	0.050	0.025	5/15/2015 14:26	M
Lead	0.31		mg/L	1	0.070	0.011	5/15/2015 14:26	M
Selenium	0.025	U	mg/L	1	0.20	0.025	5/15/2015 14:26	M
Silver	0.025	U	mg/L	1	0.040	0.025	5/15/2015 14:26	M

Analysis Desc: SW846 7470A Preparation Method: SW-846 7470A
Analysis, TCLP Analytical Method: SW-846 7470A

Mercury	0.000050	U	mg/L	1	0.00050	0.000050	5/18/2015 14:16	J
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SEMIVOLATILES, TCLP

Analysis Desc: 8081A Pesticide Preparation Method: SW-846 3510C
Analysis, TCLP Analytical Method: EPA 8081

4,4'-DDD	0.00012	U	mg/L	1	0.0010	0.00012	5/20/2015 20:52	M
4,4'-DDE	0.000080	U	mg/L	1	0.0010	0.000080	5/20/2015 20:52	M
4,4'-DDT	0.00015	U	mg/L	1	0.0010	0.00015	5/20/2015 20:52	M
Aldrin	0.00010	U	mg/L	1	0.0010	0.00010	5/20/2015 20:52	M
Chlordane (technical)	0.0030	U	mg/L	1	0.010	0.0030	5/20/2015 20:52	M
Dieldrin	0.000080	U	mg/L	1	0.0010	0.000080	5/20/2015 20:52	M

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ANALYTICAL RESULTS

Workorder: M1501743 Hazardous Waste

Lab ID: **M1501743002**

Date Received: 05/06/15 09:10 Matrix: Soil

Sample ID: **Parts Washer 3**

Date Collected: 05/05/15 00:00

Results for sample M1501743002 are reported on a wet weight basis.

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Endosulfan I	0.000080	U	mg/L	1	0.0010	0.000080	5/20/2015 20:52	M
Endosulfan II	0.000065	U	mg/L	1	0.0010	0.000065	5/20/2015 20:52	M
Endosulfan Sulfate	0.000085	U	mg/L	1	0.0010	0.000085	5/20/2015 20:52	M
Endrin	0.00012	U	mg/L	1	0.0010	0.00012	5/20/2015 20:52	M
Endrin Aldehyde	0.00024	U	mg/L	1	0.0010	0.00024	5/20/2015 20:52	M
Heptachlor	0.000065	U	mg/L	1	0.0010	0.000065	5/20/2015 20:52	M
Heptachlor Epoxide	0.000040	U	mg/L	1	0.0010	0.000040	5/20/2015 20:52	M
Methoxychlor	0.00012	U	mg/L	1	0.0010	0.00012	5/20/2015 20:52	M
Toxaphene	0.0032	U	mg/L	1	0.010	0.0032	5/20/2015 20:52	M
alpha-BHC	0.00020	U	mg/L	1	0.0010	0.00020	5/20/2015 20:52	M
beta-BHC	0.00036	U	mg/L	1	0.0010	0.00036	5/20/2015 20:52	M
delta-BHC	0.00028	U	mg/L	1	0.0010	0.00028	5/20/2015 20:52	M
gamma-BHC (Lindane)	0.00023	U	mg/L	1	0.0010	0.00023	5/20/2015 20:52	M
Tetrachloro-m-xylene (S)	80		%	1	42-129		5/20/2015 20:52	
Decachlorobiphenyl (S)	95		%	1	63-130		5/20/2015 20:52	

Analysis Desc: 8151A Herbicides
Analysis, TCLP

Preparation Method: 8151

Analytical Method: EPA 8151

2,4,5-T	130	U	ug/L	50	250	130	5/21/2015 16:46	J
2,4-D	450	U	ug/L	50	750	450	5/21/2015 16:46	J
Pentachlorophenol	74	U	ug/L	50	120	74	5/21/2015 16:46	J
Silvex (2,4,5-TP)	87	U	ug/L	50	250	87	5/21/2015 16:46	J
2,4-Dichlorophenylacetic acid (S)	0	1	%	50	46-122		5/21/2015 16:46	J

Analysis Desc: 8270C Analysis, TCLP

Preparation Method: SW-846 3510C

Analytical Method: SW-846 8270C

1,4-Dichlorobenzene	0.061	U	mg/L	1	0.25	0.061	5/26/2015 20:54	J
2,4,5-Trichlorophenol	0.048	U	mg/L	1	0.25	0.048	5/26/2015 20:54	J
2,4,6-Trichlorophenol	0.046	U	mg/L	1	0.25	0.046	5/26/2015 20:54	J
2,4-Dinitrotoluene (2,4-DNT)	0.030	U	mg/L	1	0.25	0.030	5/26/2015 20:54	J
2-Methylphenol (o-Cresol)	0.044	U	mg/L	1	0.25	0.044	5/26/2015 20:54	J
3+4-Methylphenol(mp-Cresol)	0.035	U	mg/L	1	0.50	0.035	5/26/2015 20:54	J
Hexachlorobenzene	0.049	U	mg/L	1	0.25	0.049	5/26/2015 20:54	J
Hexachlorobutadiene	0.044	U	mg/L	1	0.25	0.044	5/26/2015 20:54	J
Hexachloroethane	0.062	U	mg/L	1	0.25	0.062	5/26/2015 20:54	J
Nitrobenzene	0.057	U	mg/L	1	0.25	0.057	5/26/2015 20:54	J
Pentachlorophenol	0.048	U	mg/L	1	0.25	0.048	5/26/2015 20:54	J
Pyridine	0.063	U	mg/L	1	0.25	0.063	5/26/2015 20:54	J
2-Fluorophenol (S)	45		%	1	10-90		5/26/2015 20:54	

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ANALYTICAL RESULTS

Workorder: M1501743 Hazardous Waste

Lab ID: **M1501743002** Date Received: 05/06/15 09:10 Matrix: Soil
Sample ID: **Parts Washer 3** Date Collected: 05/05/15 00:00

Results for sample M1501743002 are reported on a wet weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Phenol-d6 (S)	32		%	1	10-67		5/26/2015 20:54	
Nitrobenzene-d5 (S)	75		%	1	32-147		5/26/2015 20:54	
2-Fluorobiphenyl (S)	100		%	1	34-140		5/26/2015 20:54	
2,4,6-Tribromophenol (S)	121		%	1	19-190		5/26/2015 20:54	
p-Terphenyl-d14 (S)	114		%	1	54-138		5/26/2015 20:54	

VOLATILES, TCLP

Analysis Desc: 8260B Analysis, TCLP Preparation Method: SW-846 5030B

Analytical Method: SW-846 8260B

1,1-Dichloroethylene	0.024	U	mg/L	50	0.050	0.024	5/21/2015 19:57	M
1,2-Dichloroethane	0.024	U	mg/L	50	0.050	0.024	5/21/2015 19:57	M
1,4-Dichlorobenzene	0.024	U	mg/L	50	0.050	0.024	5/21/2015 19:57	M
2-Butanone (MEK)	0.20	U	mg/L	50	0.25	0.20	5/21/2015 19:57	M
Benzene	0.018	U	mg/L	50	0.050	0.018	5/21/2015 19:57	M
Carbon Tetrachloride	0.022	U	mg/L	50	0.050	0.022	5/21/2015 19:57	M
Chlorobenzene	0.034	U	mg/L	50	0.050	0.034	5/21/2015 19:57	M
Chloroform	0.026	U	mg/L	50	0.050	0.026	5/21/2015 19:57	M
Tetrachloroethylene (PCE)	0.024	U	mg/L	50	0.050	0.024	5/21/2015 19:57	M
Trichloroethene	0.037	U	mg/L	50	0.050	0.037	5/21/2015 19:57	M
Vinyl Chloride	0.022	U	mg/L	50	0.050	0.022	5/21/2015 19:57	M
1,2-Dichloroethane-d4 (S)	84		%	50	80-120		5/21/2015 19:57	
Toluene-d8 (S)	93		%	50	81-117		5/21/2015 19:57	
Bromofluorobenzene (S)	102		%	50	74-121		5/21/2015 19:57	

WET CHEMISTRY

Analysis Desc: Flashpoint,SW1010,Soil Analytical Method: SW 1010

Ignitability (Flashpoint)	>200		°F	1	70	70	5/13/2015 14:00	J
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Analysis Desc: Corrosivity,SM9040C,Soil Analytical Method: SW 9040C

pH	7.96		SU	1			5/8/2015 12:50	M^
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ANALYTICAL RESULTS QUALIFIERS

Workorder: M1501743 Hazardous Waste

PARAMETER QUALIFIERS

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- [1] Surrogate Diluted Out

LAB QUALIFIERS

- J DOH Certification #E82574(AEL-JAX)(FL NELAC Certification)
- M DOH Certification #E82535(AEL-M)(FL NELAC Certification)
- M^ Not Certified

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QUALITY CONTROL DATA

Workorder: M1501743 Hazardous Waste

QC Batch: WCAm/1855 Analysis Method: SW 9040C
QC Batch Method: SW 9040C Prepared:
Associated Lab Samples: M1501743001, M1501743002

QC Batch: DGMm/1151 Analysis Method: SW-846 6010
QC Batch Method: SW-846 3010A Prepared: 05/13/2015 04:10
Associated Lab Samples: M1501743001, M1501743002

METHOD BLANK: 1749155

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Silver	mg/L	0.0025	0.0025 U
Arsenic	mg/L	0.0021	0.0021 U
Barium	mg/L	0.0010	0.0010 U
Cadmium	mg/L	0.00050	0.00050 U
Chromium	mg/L	0.0025	0.0025 U
Lead	mg/L	0.0011	0.0011 U
Selenium	mg/L	0.0025	0.0025 U

QC Batch: WCAj/1786 Analysis Method: SW 1010
QC Batch Method: SW 1010 Prepared:
Associated Lab Samples: M1501743001, M1501743002

QC Batch: MSVm/1370 Analysis Method: SW-846 8260B
QC Batch Method: SW-846 5030B Prepared: 05/14/2015 00:00
Associated Lab Samples: M1501743001, M1501743002

METHOD BLANK: 1750317

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Vinyl Chloride	mg/L	0.00045	0.00045 U
1,1-Dichloroethylene	mg/L	0.00047	0.00047 U
2-Butanone (MEK)	mg/L	0.0040	0.0040 U
Chloroform	mg/L	0.00051	0.00051 U
1,2-Dichloroethane	mg/L	0.00049	0.00049 U
Carbon Tetrachloride	mg/L	0.00043	0.00043 U
Benzene	mg/L	0.00036	0.00036 U
Trichloroethene	mg/L	0.00074	0.00074 U
Tetrachloroethylene (PCE)	mg/L	0.00048	0.00048 U
Chlorobenzene	mg/L	0.00069	0.00069 U
1,4-Dichlorobenzene	mg/L	0.00048	0.00048 U
1,2-Dichloroethane-d4 (S)	%	103	70-130
Toluene-d8 (S)	%	103	70-130

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QUALITY CONTROL DATA

Workorder: M1501743 Hazardous Waste

METHOD BLANK: 1750317

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Bromofluorobenzene (S)	%	95	70-130

QC Batch: EXTj/1549

Analysis Method: EPA 8151

QC Batch Method: 8151

Prepared: 05/15/2015 12:00

Associated Lab Samples: M1501743001, M1501743002

METHOD BLANK: 1751170

Parameter	Units	Blank Result	Reporting Limit Qualifiers
SEMIVOLATILES, TCLP			
2,4-D	ug/L	0.63	0.63 U
Pentachlorophenol	ug/L	0.14	0.14 U
Silvex (2,4,5-TP)	ug/L	0.15	0.15 U
2,4,5-T	ug/L	0.17	0.17 U
2,4-Dichlorophenylacetic acid (S)	%	104	41-122

QC Batch: DGMj/1535

Analysis Method: SW-846 7470A

QC Batch Method: SW-846 7470A

Prepared: 05/18/2015 09:07

Associated Lab Samples: M1501743001, M1501743002

METHOD BLANK: 1751521

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Mercury	mg/L	0.000010	0.000010 U

QC Batch: EXTm/1335

Analysis Method: EPA 8081

QC Batch Method: SW-846 3510C

Prepared: 05/15/2015 12:00

Associated Lab Samples: M1501743001, M1501743002

METHOD BLANK: 1752107

Parameter	Units	Blank Result	Reporting Limit Qualifiers
alpha-BHC	mg/L	0.00020	0.00020 U
gamma-BHC (Lindane)	mg/L	0.00023	0.00023 U
beta-BHC	mg/L	0.00036	0.00036 U

Report ID: 367452 - 5464617

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CERTIFICATE OF ANALYSIS

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QUALITY CONTROL DATA

Workorder: M1501743 Hazardous Waste

METHOD BLANK: 1752107

Parameter	Units	Blank Result	Reporting Limit Qualifiers
delta-BHC	mg/L	0.00028	0.00028 U
Heptachlor	mg/L	0.000065	0.000065 U
Aldrin	mg/L	0.00010	0.00010 U
Heptachlor Epoxide	mg/L	0.000040	0.000040 U
Endosulfan I	mg/L	0.000080	0.000080 U
4,4'-DDE	mg/L	0.000080	0.000080 U
Dieldrin	mg/L	0.000080	0.000080 U
Endrin	mg/L	0.00012	0.00012 U
4,4'-DDD	mg/L	0.00012	0.00012 U
Endosulfan II	mg/L	0.000065	0.000065 U
Endrin Aldehyde	mg/L	0.00024	0.00024 U
4,4'-DDT	mg/L	0.00015	0.00015 U
Endosulfan Sulfate	mg/L	0.000085	0.000085 U
Methoxychlor	mg/L	0.00012	0.00012 U
Chlordane (technical)	mg/L	0.0030	0.0030 U
Toxaphene	mg/L	0.0032	0.0032 U
Tetrachloro-m-xylene (S)	%	95	44-124
Decachlorobiphenyl (S)	%	96	48-137

QC Batch: EXTj/1577

Analysis Method: SW-846 8270C

QC Batch Method: SW-846 3510C

Prepared: 05/20/2015 17:30

Associated Lab Samples: M1501743001, M1501743002

METHOD BLANK: 1754845

Parameter	Units	Blank Result	Reporting Limit Qualifiers
2-Methylphenol (o-Cresol)	mg/L	0.00088	0.00088 U
3+4-Methylphenol(mp-Cresol)	mg/L	0.00070	0.00070 U
2,4,6-Trichlorophenol	mg/L	0.00093	0.00093 U
2,4,5-Trichlorophenol	mg/L	0.00096	0.00096 U
Pentachlorophenol	mg/L	0.00095	0.00095 U
Pyridine	mg/L	0.0013	0.0013 U
1,4-Dichlorobenzene	mg/L	0.0012	0.0012 U
Hexachloroethane	mg/L	0.0012	0.0012 U
Nitrobenzene	mg/L	0.0011	0.0011 U
Hexachlorobutadiene	mg/L	0.00087	0.00087 U
2,4-Dinitrotoluene (2,4-DNT)	mg/L	0.00060	0.00060 U
Hexachlorobenzene	mg/L	0.00099	0.00099 U
2-Fluorophenol (S)	%	53	10-90
Phenol-d6 (S)	%	35	10-67
Nitrobenzene-d5 (S)	%	72	32-147
2-Fluorobiphenyl (S)	%	86	34-140

Report ID: 367452 - 5464617

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QUALITY CONTROL DATA

Workorder: M1501743 Hazardous Waste

METHOD BLANK: 1754845

Parameter	Units	Blank Result	Reporting Limit Qualifiers
2,4,6-Tribromophenol (S)	%	142	19-190
p-Terphenyl-d14 (S)	%	88	54-138

QUALITY CONTROL DATA QUALIFIERS

Workorder: M1501743 Hazardous Waste

QUALITY CONTROL PARAMETER QUALIFIERS

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- J3 Lab QC Failure
- J4 Estimated Result

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: M1501743 Hazardous Waste

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
M1501743001	Parts Washer 2			SW 9040C	WCAm/1855
M1501743002	Parts Washer 3			SW 9040C	WCAm/1855
M1501743001	Parts Washer 2	SW-846 3010A	DGMm/1151	SW-846 6010	ICPm/1154
M1501743002	Parts Washer 3	SW-846 3010A	DGMm/1151	SW-846 6010	ICPm/1154
M1501743001	Parts Washer 2			SW 1010	WCAj/1786
M1501743002	Parts Washer 3			SW 1010	WCAj/1786
M1501743001	Parts Washer 2	SW-846 5030B	MSVm/1370	SW-846 8260B	MSVm/1379
M1501743002	Parts Washer 3	SW-846 5030B	MSVm/1370	SW-846 8260B	MSVm/1379
M1501743001	Parts Washer 2	8151	EXTj/1549	EPA 8151	GCSj/1394
M1501743002	Parts Washer 3	8151	EXTj/1549	EPA 8151	GCSj/1394
M1501743001	Parts Washer 2	SW-846 7470A	DGMj/1535	SW-846 7470A	CVAj/1097
M1501743002	Parts Washer 3	SW-846 7470A	DGMj/1535	SW-846 7470A	CVAj/1097
M1501743001	Parts Washer 2	SW-846 3510C	EXTm/1335	EPA 8081	GCSm/1217
M1501743002	Parts Washer 3	SW-846 3510C	EXTm/1335	EPA 8081	GCSm/1217
M1501743001	Parts Washer 2	SW-846 3510C	EXTj/1577	SW-846 8270C	MSSj/1277
M1501743002	Parts Washer 3	SW-846 3510C	EXTj/1577	SW-846 8270C	MSSj/1277

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- ☐ **Altamonte Springs:** 528 S. Northlake Blvd., Ste. 1016
- ☐ **Gainesville:** 4965 SW 41st Blvd. • Gainesville, FL 32608 •
- ☐ **Jacksonville:** 6661 Southpoint Pkwy. • Jacksonville, FL 32216 •
- ☐ **Milamrar:** 10200 USA Today Way • Milamrar, FL 33025 • 954
- ☐ **Tallahassee:** 2639 North Monroe Street, Suite D • Tallahassee, FL 32309 • 904
- ☐ **Tampa:** 9610 Princess Palm Ave. • Tampa, FL 33619 • 813 •

M1501743

1507

[illegible]



Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: <http://www.settek.com>

May 22, 2015

D. Herring
Advanced Environmental Laboratories, Inc
10200 USA Today Way
Miramar, FL 33025
TEL: 954-889-2288
FAX: 954-889-2281

RE: M1501743/M1501744

Dear D. Herring:

Order No.: 15051288

Summit Environmental Technologies, Inc. received 6 sample(s) on 5/13/2015 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

If you have any questions regarding these tests results, please feel free to call the laboratory.

Sincerely,

Dr. Mo Osman
Project Manager

3310 Win St.
Cuyahoga Falls, Ohio 44223

A2LA 0724.01, Alabama 41600, Arizona AZ0788, Arkansas 88-0735, California 07256CA, Colorado, Connecticut PH-0105, Delaware, Florida NELAC E87688, Georgia E87688 and 943, Idaho OH00923, Illinois 200061 and Reg.5, Indiana C-OH-13, Kansas E-10347, Kentucky (Underground Storage Tank) 3, Kentucky 90146, Louisiana 04061 and LA12004, Maine 2012015, Maryland 339, Massachusetts M-OPH923, Minnesota 409711, Montana CERT0099, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, Ohio Drinking Water 4170, Ohio VAP CL0052, Oklahoma 9940, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Tennessee TN04018, Texas T104704466-11-5, Region 8 8TMS-L, USDA/APHIS P330-11-00244, Utah OH009232011-1, Vermont VT-87688, Virginia 00440 and 1581, Washington C891, West Virginia 248 and 9957C and E87688, Wisconsin 399013010



Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: <http://www.settek.com>

Case Narrative

WO#: 15051288
Date: 5/22/2015

CLIENT: Advanced Environmental Laboratories, Inc
Project: M1501743/M1501744

This report in its entirety consists of the documents listed below. All documents contain the Summit Environmental Technologies, Inc., Work Order Number assigned to this report.

Paginated Report including Cover Letter, Case Narrative, Analytical Results, Applicable Quality Control Summary Reports, and copies of the Chain of Custody Documents are supplied with this sample set.

Concentrations reported with a J-Flag in the Qualifier Field are values below the Limit of Quantitation (LOQ) but greater than the established Method Detection Limit (MDL).

Method numbers, unless specified as SM (Standard Methods) or ASTM, are EPA methods.

Estimated uncertainty values are available upon request.

Analysis performed by DBM, VRM, or SFG were performed at Summit Labs 2704 Eatonton Highway Haddock, GA 31033

All results for Solid Samples are reported on an "as received" or "wet weight" basis unless indicated as "dry weight" using the "-dry" designation on the reporting units.

Summit Environmental Technologies, Inc., holds the accreditations/certifications listed at the bottom of the cover letter that may or may not pertain to this report.

The information contained in this analytical report is the sole property of Summit Environmental Technologies, Inc. and that of the customer. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. or the customer for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Summit Environmental Technologies, Inc. is not responsible for use or interpretation of the data included herein.

This report is believed to meet all of the requirements of NELAC or the accrediting / certifying agency. Any comments or problems with the analytical events associated with this report are noted below.

These commonly used Qualifiers and Acronyms may or may not be present in this report.

Qualifiers

U	The compound was analyzed for but was not detected.
J	The reported value is greater than the Method Detection Limit but less than the Reporting Limit.
H	The hold time for sample preparation and/or analysis was exceeded.
D	The result is reported from a dilution.
E	The result exceeded the linear range of the calibration or is estimated due to interference.
MC	The result is below the Minimum Compound Limit.
*	The result exceeds the Regulatory Limit or Maximum Contamination Limit.
m	Manual integration was used to determine the area response.
N	The result is presumptive based on a Mass Spectral library search assuming a 1:1 response.
P	The second column confirmation exceeded 25% difference.
C	The result has been confirmed by GC/MS.
X	The result was not confirmed when GC/MS Analysis was performed.
B/MB+	The analyte was detected in the associated blank.
G	The ICB or CCB contained reportable amounts of analyte.
QC-/+	The CCV recovery failed low (-) or high (+).
R/QDR	The RPD was outside of accepted recovery limits.
QL-/+	The LCS or LCSD recovery failed low (-) or high (+).
QLR	The LCS/LCSD RPD was outside of accepted recovery limits.
QM-/+	The MS or MSD recovery failed low (-) or high (+).
QMR	The MS/MSD RPD was outside of accepted recovery limits.
QV-/+	The ICV recovery failed low (-) or high (+).
S	The spike result was outside of accepted recovery limits.

Acronyms

ND	Not Detected	RL	Reporting Limit
QC	Quality Control	MDL	Method Detection Limit
MB	Method Blank	LOD	Level of Detection
LCS	Laboratory Control Sample	LOQ	Level of Quantitation
LCSD	Laboratory Control Sample Duplicate	PQL	Practical Quantitation Limit
QCS	Quality Control Sample	CRQL	Contract Required Quantitation Limit
DUP	Duplicate	PL	Permit Limit
MS	Matrix Spike	RegLvl	Regulatory Limit
MSD	Matrix Spike Duplicate	MCL	Maximum Contamination Limit
RPD	Relative Percent Different	MinCL	Minimum Compound Limit
ICV	Initial Calibration Verification	RA	Reanalysis
ICB	Initial Calibration Blank	RE	Reextraction
CCV	Continuing Calibration Verification	TIC	Tentatively Identified Compound
CCB	Continuing Calibration Blank	RT	Retention Time
RLC	Reporting Limit Check	CF	Calibration Factor
DF	Dilution Factor	RF	Response Factor

This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.



Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: <http://www.settek.com>

Workorder
Sample Summary
WO#: **15051288**
22-May-15

CLIENT: Advanced Environmental Laboratories, Inc
Project: M1501743/M1501744

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
15051288-001	M1501743001		5/5/2015	5/13/2015 10:00:00 AM	Solid
15051288-002	M1501743002		5/5/2015	5/13/2015 10:00:00 AM	Solid
15051288-003	M1501744001		5/5/2015	5/13/2015 10:00:00 AM	Non-Potable Water
15051288-004	M1501744002		5/5/2015	5/13/2015 10:00:00 AM	Non-Potable Water
15051288-005	M1501744003		5/5/2015	5/13/2015 10:00:00 AM	Non-Potable Water
15051288-006	M1501744004		5/5/2015	5/13/2015 10:00:00 AM	Non-Potable Water



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3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: <http://www.settek.com>

WO#: 15051288
Date Reported: 5/22/2015
Company: Advanced Environmental Laboratories, Inc.
Address: 10200 USA Today Way
Miramar FL 33025
Received: 5/13/2015
Project#: M1501743/M15

Client ID#	Lab ID#	Collected Analyte	Result	Units	Matrix	Method	DF	RL	Run	Analyst
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M1501743001	001	5/5/2015 Cyanide, Reactive	ND	ppm	Solid	EPA 9014	1	0.500	5/14/2015	TIR
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M1501743001	001	5/5/2015 Sulfide, Reactive	ND	ppm	Solid	EPA 9034	1	25.0	5/14/2015	TIR
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Client ID#	Lab ID#	Collected Analyte	Result	Units	Matrix	Method	DF	RL	Run	Analyst
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M1501743002	002	5/5/2015 Cyanide, Reactive	ND	ppm	Solid	EPA 9014	1	0.500	5/14/2015	TIR
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M1501743002	002	5/5/2015 Sulfide, Reactive	ND	ppm	Solid	EPA 9034	1	25.0	5/14/2015	TIR
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Client ID#	Lab ID#	Collected Analyte	Result	Units	Matrix	Method	DF	RL	Run	Analyst
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M1501744001	003	5/5/2015 Cyanide, Reactive	ND	ppm	Non-Potable Water	EPA 9014	1	0.500	5/19/2015	TIR
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M1501744001	003	5/5/2015 Sulfide, Reactive	ND	ppm	Non-Potable Water	EPA 9034	1	25.0	5/20/2015	TIR
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Client ID#	Lab ID#	Collected Analyte	Result	Units	Matrix	Method	DF	RL	Run	Analyst
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M1501744002	004	5/5/2015 Cyanide, Reactive	ND	ppm	Non-Potable Water	EPA 9014	1	0.500	5/19/2015	TIR
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M1501744002	004	5/5/2015 Sulfide, Reactive	ND	ppm	Non-Potable Water	EPA 9034	1	25.0	5/20/2015	TIR
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Client ID#	Lab ID#	Collected Analyte	Result	Units	Matrix	Method	DF	RL	Run	Analyst
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M1501744003	005	5/5/2015 Cyanide, Reactive	ND	ppm	Non-Potable Water	EPA 9014	1	0.500	5/19/2015	TIR
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M1501744003	005	5/5/2015 Sulfide, Reactive	ND	ppm	Non-Potable Water	EPA 9034	1	25.0	5/20/2015	TIR
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Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: <http://www.settek.com>

WO#: 15051288
Date Reported: 5/22/2015
Company: Advanced Environmental Laboratories, Inc.
Address: 10200 USA Today Way
Miramar FL 33025
Received: 5/13/2015
Project#: M1501743/M15

Client ID#	Lab ID#	Collected Analyte	Result	Units	Matrix	Method	DF	RL	Run	Analyst
M1501744004	006	5/5/2015 Cyanide, Reactive	ND	ppm	Non-Potable Water	EPA 9014	1	0.500	5/19/2015	TIR
M1501744004	006	5/5/2015 Sulfide, Reactive	ND	ppm	Non-Potable Water	EPA 9034	1	25.0	5/20/2015	TIR



Summit Environmental Technologies, Inc.
 3310 Win St.
 Cuyahoga Falls, Ohio 44223
 TEL: (330) 253-8211 FAX: (330) 253-4489
 Website: <http://www.settek.com>

Accreditation Program Analytes Report

WO#: 15051288
 22-May-15

Client: Advanced Environmental Laboratories, I
Project: M1501743/M1501744

Program Name	Sample ID	ClientSampleID	Matrix	Test Name	Analyte	Status
Florida DOH	15051288-001A	M1501743001	Solid	Reactive Cyanide (9014/7.3.3.2)	Cyanide, Reactive	A
				Reactive Sulfide (9034)	Sulfide, Reactive	A
	15051288-002A	M1501743002		Reactive Cyanide (9014/7.3.3.2)	Cyanide, Reactive	A
				Reactive Sulfide (9034)	Sulfide, Reactive	A
	15051288-003A	M1501744001	Ion-Potable Water		Sulfide, Reactive	A
				Reactive Cyanide (9014/7.3.3.2)	Cyanide, Reactive	A
	15051288-004A	M1501744002			Cyanide, Reactive	A
				Reactive Sulfide (9034)	Sulfide, Reactive	A
	15051288-005A	M1501744003		Reactive Cyanide (9014/7.3.3.2)	Cyanide, Reactive	A
				Reactive Sulfide (9034)	Sulfide, Reactive	A
	15051288-006A	M1501744004			Sulfide, Reactive	A
				Reactive Cyanide (9014/7.3.3.2)	Cyanide, Reactive	A
Wisconsin Department of Natural Resources	15051288-001A	M1501743001	Solid		Cyanide, Reactive	NA
				Reactive Sulfide (9034)	Sulfide, Reactive	NA
	15051288-002A	M1501743002			Sulfide, Reactive	NA
				Reactive Cyanide (9014/7.3.3.2)	Cyanide, Reactive	NA

FL-NELAI A Accredited

WI NA Not Accredited

ACCREDITED

Original #15051288# v1



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3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: <http://www.settek.com>

QC SUMMARY REPORT

WO#: 15051288

22-May-15

Client: Advanced Environmental Laboratories, Inc

Project: M1501743/M1501744

BatchID: R37423

Sample ID	MB-R37423	SampType:	MBLK	TestCode:	Cyanide,Rea	Units:	ppm	Prep Date:		RunNo:	37423			
Client ID:	PBW	Batch ID:	R37423	TestNo:	SW9014			Analysis Date:	5/14/2015	SeqNo:	541505			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Reactive		ND		0.500										

Sample ID	LCS-R37423	SampType:	LCS	TestCode:	Cyanide,Rea	Units:	ppm	Prep Date:		RunNo:	37423			
Client ID:	LCSW	Batch ID:	R37423	TestNo:	SW9014			Analysis Date:	5/14/2015	SeqNo:	541506			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Reactive		0.914		0.500	1.000	0		91.4	70	130				

Sample ID	15051097-001AMS	SampType:	MS	TestCode:	Cyanide,Rea	Units:	ppm	Prep Date:		RunNo:	37423	
Client ID:	BatchQC	Batch ID:	R37423	TestNo:	SW9014			Analysis Date:	5/14/2015	SeqNo:	541508	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Reactive		0.975	0.500	1.000	0	97.5	70	130				H

Sample ID	15051097-001AMSD	SampType:	MSD	TestCode:	Cyanide,Rea	Units:	ppm	Prep Date:		RunNo:	37423	
Client ID:	BatchQC	Batch ID:	R37423	TestNo:	SW9014			Analysis Date:	5/14/2015	SeqNo:	541509	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Reactive		0.934	0.500	1.000	0	93.4	70	130	0.9750	4.30	30	H

Qualifiers:

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank	E Value above quantitation range
H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	M Manual Integration used to determine
MC Value is below Minimum Compound Limit.	ND Not Detected at the Reporting Limit	O RSD is greater than RSDlimit
P Second column confirmation exceeds	PL Permit Limit	R RPD outside accepted recovery limits

Original
Page 8 of 15



Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: <http://www.settek.com>

QC SUMMARY REPORT

WO#: 15051288

22-May-15

Client: Advanced Environmental Laboratories, Inc

Project: M1501743/M1501744

BatchID: R37423

Sample ID	15051097-001AMSD	SampType:	MSD	TestCode:	Cyanide,Rea	Units:	ppm	Prep Date:		RunNo:	37423
Client ID:	BatchQC	Batch ID:	R37423	TestNo:	SW9014	Analysis Date:	5/14/2015	SeqNo:	541509		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	M Manual Integration used to determine
	MC Value is below Minimum Compound Limit.	ND Not Detected at the Reporting Limit	O RSD is greater than RSDlimit
	P Second column confirmation exceeds	PL Permit Limit	R RPD outside accepted recovery limits

Original
Page 9 of 15



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3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: <http://www.settek.com>

QC SUMMARY REPORT

WO#: 15051288

22-May-15

Client: Advanced Environmental Laboratories, Inc

Project: M1501743/M1501744

BatchID: R37503

Sample ID	MB-R37503	SampType:	MBLK	TestCode:	Sulfide,React	Units:	ppm	Prep Date:		RunNo:	37503			
Client ID:	PBS	Batch ID:	R37503	TestNo:	SW9034			Analysis Date:	5/20/2015	SeqNo:	542848			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide, Reactive		ND		25.0										

Sample ID	LCS-R37503	SampType:	LCS	TestCode:	Sulfide,React	Units:	ppm	Prep Date:		RunNo:	37503			
Client ID:	LCSS	Batch ID:	R37503	TestNo:	SW9034			Analysis Date:	5/20/2015	SeqNo:	542849			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide, Reactive		76.0		25.0	84.00	0		90.5	85	130115				

Sample ID	15042938-001AMS	SampType:	MS	TestCode:	Sulfide,React	Units:	ppm	Prep Date:		RunNo:	37503			
Client ID:	BatchQC	Batch ID:	R37503	TestNo:	SW9034			Analysis Date:	5/20/2015	SeqNo:	542850			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide, Reactive		78.6		25.0	84.00	0		93.6	80	120				

Sample ID	15042938-001AMSD	SampType:	MSD	TestCode:	Sulfide,React	Units:	ppm	Prep Date:		RunNo:	37503			
Client ID:	BatchQC	Batch ID:	R37503	TestNo:	SW9034			Analysis Date:	5/20/2015	SeqNo:	542851			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide, Reactive		82.6		25.0	84.00	0		98.3	80	120	78.60	4.96	30	

Qualifiers:

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank	E Value above quantitation range
H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	M Manual Integration used to determine
MC Value is below Minimum Compound Limit.	ND Not Detected at the Reporting Limit	O RSD is greater than RSDlimit
P Second column confirmation exceeds	PL Permit Limit	R RPD outside accepted recovery limits

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Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: <http://www.settek.com>

QC SUMMARY REPORT

WO#: 15051288

22-May-15

Client: Advanced Environmental Laboratories, Inc

Project: M1501743/M1501744

BatchID: R37503

Sample ID	15042938-001AMSD	SampType:	MSD	TestCode:	Sulfide,React	Units:	ppm	Prep Date:		RunNo:	37503		
Client ID:	BatchQC	Batch ID:	R37503	TestNo:	SW9034			Analysis Date:	5/20/2015	SeqNo:	542851		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
	MC	Value is below Minimum Compound Limit.	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
	P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: 15051288

22-May-15

Client: Advanced Environmental Laboratories, Inc

Project: M1501743/M1501744

BatchID: R37505

Sample ID	MB-R37505	SampType:	MBLK	TestCode:	Sulfide,React	Units:	ppm	Prep Date:		RunNo:	37505			
Client ID:	PBW	Batch ID:	R37505	TestNo:	SW9034			Analysis Date:	5/14/2015	SeqNo:	542877			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide, Reactive		ND		25.0										

Sample ID	LCS-R37505	SampType:	LCS	TestCode:	Sulfide,React	Units:	ppm	Prep Date:		RunNo:	37505			
Client ID:	LCSW	Batch ID:	R37505	TestNo:	SW9034			Analysis Date:	5/14/2015	SeqNo:	542878			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide, Reactive		76.2		25.0	86.00	0		88.6	85	115				

Sample ID	15051097-001AMS	SampType:	MS	TestCode:	Sulfide,React	Units:	ppm	Prep Date:		RunNo:	37505			
Client ID:	BatchQC	Batch ID:	R37505	TestNo:	SW9034			Analysis Date:	5/14/2015	SeqNo:	542879			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide, Reactive		82.6		25.0	86.00	0		96.0	80	120				H

Sample ID	15051097-001AMSD	SampType:	MSD	TestCode:	Sulfide,React	Units:	ppm	Prep Date:		RunNo:	37505			
Client ID:	BatchQC	Batch ID:	R37505	TestNo:	SW9034			Analysis Date:	5/14/2015	SeqNo:	542880			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide, Reactive		79.2		25.0	86.00	0		92.1	80	120	82.60	4.20	30	H

Qualifiers:

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MC Value is below Minimum Compound Limit.	ND Not Detected at the Reporting Limit	O RSD is greater than RSDlimit
P Second column confirmation exceeds	PL Permit Limit	R RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: 15051288

22-May-15

Client: Advanced Environmental Laboratories, Inc

Project: M1501743/M1501744

BatchID: R37505

Sample ID	15051097-001AMSD	SampType:	MSD	TestCode:	Sulfide,React	Units:	ppm	Prep Date:		RunNo:	37505		
Client ID:	BatchQC	Batch ID:	R37505	TestNo:	SW9034			Analysis Date:	5/14/2015	SeqNo:	542880		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
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QC SUMMARY REPORT

WO#: 15051288

22-May-15

Client: Advanced Environmental Laboratories, Inc

Project: M1501743/M1501744

BatchID: R37575

Sample ID	MB-R37575	SampType:	MBLK	TestCode:	Cyanide,Rea	Units:	ppm	Prep Date:		RunNo:	37575			
Client ID:	PBW	Batch ID:	R37575	TestNo:	SW9014			Analysis Date:	5/19/2015	SeqNo:	544136			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Reactive		ND		0.500										

Sample ID	LCS-R37575	SampType:	LCS	TestCode:	Cyanide,Rea	Units:	ppm	Prep Date:		RunNo:	37575			
Client ID:	LCSW	Batch ID:	R37575	TestNo:	SW9014			Analysis Date:	5/19/2015	SeqNo:	544137			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Reactive		0.914		0.500	1.000	0		91.4	70	130				

Sample ID	15051288-003AMS	SampType:	MS	TestCode:	Cyanide,Rea	Units:	ppm	Prep Date:		RunNo:	37575	
Client ID:	M1501744001	Batch ID:	R37575	TestNo:	SW9014			Analysis Date:	5/19/2015	SeqNo:	544139	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Reactive		1.08	0.500	1.000	0	108	70	130				H

Sample ID	15051288-003AMSD	SampType:	MSD	TestCode:	Cyanide,Rea	Units:	ppm	Prep Date:		RunNo:	37575			
Client ID:	M1501744001	Batch ID:	R37575	TestNo:	SW9014			Analysis Date:	5/19/2015	SeqNo:	544140			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Reactive		1.02		0.500	1.000	0		102	70	130	1.075	5.74	30	H

Qualifiers:

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QC SUMMARY REPORT

WO#: 15051288

22-May-15

Client: Advanced Environmental Laboratories, Inc

Project: M1501743/M1501744

BatchID: R37575

Sample ID	15051288-003AMSD	SampType:	MSD	TestCode:	Cyanide,Rea	Units:	ppm	Prep Date:		RunNo:	37575
Client ID:	M1501744001	Batch ID:	R37575	TestNo:	SW9014			Analysis Date:	5/19/2015	SeqNo:	544140
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
	MC	Value is below Minimum Compound Limit.	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
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Chain of Custody

Document 19825 - HBN 14683

Report To
Kimberly Kostzer DMIT 5/2/15
 Advanced Environmental Laboratories, Inc.
 10200 USA Today Way
 Miramar, FL 33025
 Payments:
 P.O. Box 551580
 Jacksonville, FL 32255-1580
 Phone (954)889-2288

Subcontract To
SUMMIT-Cuyahoga Falls-OH
 Summit Environmental Technologies, Inc.
 3310 Win Street
 Cuyahoga Falls, OH 44223
 Phone
 Fax

Results Requested By 5/13/2015 ^{QMA} Std TAT
 Requested Analysis

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers	LAB USE ONLY
1	Parts Washer 2	5/5/2015 00:00	M1501743001	Soil	NONE	
2	Parts Washer 3	5/5/2015 00:00	M1501743002	Soil	1	
3	Parts Washer 1	5/5/2015 00:00	M1501744001	Water	1	
4	Parts Washer 2	5/5/2015 00:00	M1501744002	Water	1	
5	Parts Washer 3	5/5/2015 00:00	M1501744003	Water	1	
6	Parts Washer 4	5/5/2015 00:00	M1501744004	Water	1	

Report
☐ Standard (Results only)
☐ Standard with Batch QC
☐ CLP
☐ Other

Electronic Data Deliverables
☐ SEDD Stage 2A
☐ SEDD Stage 2B
☐ SEDD Stage 3
☐ Other

Comments

PO#: M1501743 M1501744
 Please send report and invoice to
 dherring@aellab.com,
 Standard TAT

Preservative
 NONE - NONE

Transfers
 1
 2
 3
 4
 5

Released By

Date/Time

Received By

Date/Time

Date: 07/27/13

Summit Environmental Technologies, Inc.
Cooler Receipt Form

Client: AEL Initials of person inspecting cooler and samples: F.C.
Date Received: 5.13.15 Time Received: 10:00 AM Order Number: 15057288
Number of Coolers/Boxes: 1 Date cooler(s) opened and samples inspected: _____
Shipper: FED EX UPS DHL Airborne US Postal Walk-in Pickup Other: _____
Packaging: _____
Tape on cooler/box: _____
Custody Seals intact _____
C-O-C in plastic _____
Ice ☒ Blue ice _____
Sample Temperature IR Gun #16020459 CF _____ °C _____ °C
Radiological Testing Instrument serial #35127 _____
(see page 2 for scan results) _____
****Use 1 sheet per sample for Radiological Testing. If sample is HOT, the Radiological Safety Officer must be notified immediately.**

C-O-C filled out properly	<u>Y</u>	N	N/A
Samples in separate bags	<u>Y</u>	N	N/A
Sample containers intact*	<u>Y</u>	N	N/A
*If no, list broken sample(s): _____			
Sample label(s) complete (ID, date, etc.)	<u>Y</u>	N	N/A
Label(s) agree with C-O-C	<u>Y</u>	N	N/A
Correct containers used	<u>Y</u>	N	N/A
Sufficient sample received	<u>Y</u>	N	N/A
Bubbles absent from 40 mL vials**	<u>Y</u>	N	<u>N/A</u>

** Samples with bubbles <6mm are acceptable. Indicate bubble size if >6mm. _____

Was client contacted about samples Y N
Will client send new samples Y N
Client contact: _____
Date/Time: _____
Logged in by: _____
Comments: _____