

RCRA Metals

Client: ARCADIS U.S., Inc.	Laboratory ID: KK07010-011
Description: HA01MW16 (10-11)	Matrix: Solid
Date Sampled:11/04/2009 1142	% Solids: 86.7 11/07/2009 1710
Date Received: 11/07/2009	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3050B	6010C	1	11/12/2009 1817	KJC	11/11/2009 2021	21329

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	0.65		0.56	0.21	mg/kg	1
Barium	7440-39-3	6010C	25		1.4	0.10	mg/kg	1
Cadmium	7440-43-9	6010C	ND		0.11	0.012	mg/kg	1
Chromium	7440-47-3	6010C	6.3		0.28	0.056	mg/kg	1
Lead	7439-92-1	6010C	4.2		0.56	0.10	mg/kg	1
Selenium	7782-49-2	6010C	ND		0.56	0.19	mg/kg	1
Silver	7440-22-4	6010C	0.42		0.28	0.047	mg/kg	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.	Laboratory ID: KK07010-012
Description: HA01MW17 (1-2)	Matrix: Solid
Date Sampled: 11/04/2009 0820	% Solids: 86.6 11/07/2009 1710
Date Received: 11/07/2009	

Run 2	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 11/18/2009 1521	Analyst DLB	Prep Date	Batch 22080	Sample Wt.(g) 4.70

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		25	8.2	ug/kg	2
Benzene	71-43-2	8260B	ND		6.1	1.4	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		6.1	2.1	ug/kg	2
Bromoform	75-25-2	8260B	ND		6.1	0.86	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.1	2.2	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		12	2.9	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		6.1	1.6	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		6.1	2.2	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		6.1	2.1	ug/kg	2
Chloroethane	75-00-3	8260B	ND		6.1	1.6	ug/kg	2
Chloroform	67-66-3	8260B	ND		6.1	1.0	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.1	1.2	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		6.1	0.83	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.1	1.8	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		6.1	2.1	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.1	1.0	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	3.6	J	6.1	2.1	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.1	2.1	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.1	2.1	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		6.1	2.0	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		6.1	0.90	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		6.1	1.2	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		6.1	2.1	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.1	0.93	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.1	1.8	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		6.1	1.1	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.1	0.84	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.1	1.0	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		6.1	2.1	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		12	1.6	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		6.1	0.98	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		6.1	0.82	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.1	0.49	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.8	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		6.1	0.75	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		6.1	3.2	ug/kg	2
Styrene	100-42-5	8260B	ND		6.1	1.4	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.1	0.58	ug/kg	2
Tetrachloroethene	127-18-4	8260B	ND		6.1	2.8	ug/kg	2
Toluene	108-88-3	8260B	13		6.1	2.1	ug/kg	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.1	2.6	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	2.4	J	6.1	2.1	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.1	1.0	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.1	0.97	ug/kg	2

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 38 of 119

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.		Laboratory ID: KK07010-012	
Description: HA01MW17 (1-2)		Matrix: Solid	
Date Sampled: 11/04/2009 0820		% Solids: 86.6 11/07/2009 1710	
Date Received: 11/07/2009			

Run 2	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 11/18/2009 1521	Analyst DLB	Prep Date	Batch 22080	Sample Wt.(g) 4.70

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		6.1	2.3	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		6.1	1.8	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		6.1	1.1	ug/kg	2
Xylenes (total)	1330-20-7	8260B	12		6.1	3.6	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		79	53-142
Bromofluorobenzene		59	47-138
Toluene-d8		70	68-124

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.		Laboratory ID: KK07010-012	
Description: HA01MW17 (1-2)		Matrix: Solid	
Date Sampled: 11/04/2009 0820		% Solids: 86.6 11/07/2009 1710	
Date Received: 11/07/2009			

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8081B	1	11/18/2009 1904	ASB	11/16/2009 1109	21759

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		1.9	0.38	ug/kg	1
alpha-BHC	319-84-6	8081B	ND		1.9	0.43	ug/kg	1
beta-BHC	319-85-7	8081B	ND		1.9	0.33	ug/kg	1
delta-BHC	319-86-8	8081B	ND		1.9	0.35	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		1.9	0.40	ug/kg	1
alpha-Chlordane	5103-71-9	8081B	ND		1.9	0.32	ug/kg	1
gamma-Chlordane	5103-74-2	8081B	ND		1.9	0.26	ug/kg	1
4,4'-DDD	72-54-8	8081B	ND		1.9	0.28	ug/kg	1
4,4'-DDE	72-55-9	8081B	ND		1.9	0.35	ug/kg	1
4,4'-DDT	50-29-3	8081B	ND		1.9	0.31	ug/kg	1
Dieldrin	60-57-1	8081B	ND		1.9	0.36	ug/kg	1
Endosulfan I	959-98-8	8081B	ND		1.9	0.38	ug/kg	1
Endosulfan II	33213-65-9	8081B	ND		1.9	0.28	ug/kg	1
Endosulfan sulfate	1031-07-8	8081B	ND		1.9	0.25	ug/kg	1
Endrin	72-20-8	8081B	ND		1.9	0.36	ug/kg	1
Endrin aldehyde	7421-93-4	8081B	ND		1.9	0.33	ug/kg	1
Endrin ketone	53494-70-5	8081B	ND		1.9	0.24	ug/kg	1
Heptachlor	76-44-8	8081B	ND		1.9	0.43	ug/kg	1
Heptachlor epoxide	1024-57-3	8081B	ND		1.9	0.34	ug/kg	1
Methoxychlor	72-43-5	8081B	ND		7.4	1.5	ug/kg	1
Toxaphene	8001-35-2	8081B	ND		92	10	ug/kg	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
Decachlorobiphenyl		92	58-123					
Tetrachloro-m-xylene		62	51-103					

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

CVAA

Client: ARCADIS U.S., Inc.

Laboratory ID: KK07010-012

Description: HA01MW17 (1-2)

Matrix: Solid

Date Sampled: 11/04/2009 0820

% Solids: 86.6 11/07/2009 1710

Date Received: 11/07/2009

Run 1	Prep Method	Analytical Method 7471B	Dilution 1	Analysis Date 11/10/2009 2217	Analyst BNW	Prep Date 11/10/2009 2040	Batch 21345

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7471B	0.032	J	0.095	0.0068	mg/kg	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 41 of 119

Level 1 Report v2.1

RCRA Metals

Client: ARCADIS U.S., Inc.

Laboratory ID: KK07010-012

Description: HA01MW17 (1-2)

Matrix: Solid

Date Sampled: 11/04/2009 0820

% Solids: 86.6 11/07/2009 1710

Date Received: 11/07/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3050B	6010C	1	11/12/2009 1823	KJC	11/11/2009 2021	21329

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	0.73		0.57	0.21	mg/kg	1
Barium	7440-39-3	6010C	3.6		1.5	0.10	mg/kg	1
Cadmium	7440-43-9	6010C	0.017	J	0.11	0.012	mg/kg	1
Chromium	7440-47-3	6010C	1.8		0.29	0.058	mg/kg	1
Lead	7439-92-1	6010C	2.3		0.57	0.11	mg/kg	1
Selenium	7782-49-2	6010C	ND		0.57	0.20	mg/kg	1
Silver	7440-22-4	6010C	0.054	J	0.29	0.048	mg/kg	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.					Laboratory ID: KK07010-013			
Description: HA01MW17 (6-7)					Matrix: Solid			
Date Sampled: 11/04/2009 0845					% Solids: 85.9 11/07/2009 1710			
Date Received: 11/07/2009								

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	1	11/18/2009 1458	DLB		22080	5.05

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	36		23	7.7	ug/kg	2
Benzene	71-43-2	8260B	ND		5.8	1.3	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		5.8	2.0	ug/kg	2
Bromoform	75-25-2	8260B	ND		5.8	0.81	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.8	2.1	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		12	2.8	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		5.8	1.5	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	4.7	J	5.8	2.1	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		5.8	2.0	ug/kg	2
Chloroethane	75-00-3	8260B	ND		5.8	1.5	ug/kg	2
Chloroform	67-66-3	8260B	ND		5.8	0.96	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	4.1	J	5.8	1.2	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		5.8	0.78	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.8	1.7	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		5.8	2.0	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.8	0.98	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.8	2.0	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.8	2.0	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.8	2.0	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		5.8	1.8	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		5.8	0.84	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		5.8	1.2	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		5.8	2.0	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.8	0.88	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.8	1.7	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		5.8	1.0	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.8	0.78	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.8	0.94	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		5.8	2.0	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		12	1.5	ug/kg	2
Isopropylbenzene	98-82-8	8260B	3.9	J	5.8	0.92	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		5.8	0.77	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.8	0.46	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.7	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		5.8	0.70	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		5.8	3.0	ug/kg	2
Styrene	100-42-5	8260B	ND		5.8	1.3	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.8	0.54	ug/kg	2
Tetrachloroethene	127-18-4	8260B	ND		5.8	2.7	ug/kg	2
Toluene	108-88-3	8260B	2.2	J	5.8	2.0	ug/kg	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.8	2.4	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.8	2.0	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.8	0.98	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.8	0.91	ug/kg	2

PQL = Practical quantitation limit	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL	J = Estimated result < PQL and ≥ MDL	P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"		N = Recovery is out of criteria H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.			Laboratory ID: KK07010-013		
Description: HA01MW17 (6-7)			Matrix: Solid		
Date Sampled: 11/04/2009 0845			% Solids: 85.9 11/07/2009 1710		
Date Received: 11/07/2009					

Run 2	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 11/18/2009 1458	Analyst DLB	Prep Date	Batch 22080	Sample Wt.(g) 5.05

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		5.8	2.2	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		5.8	1.7	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		5.8	0.99	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		5.8	3.3	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		88	53-142
Bromofluorobenzene		93	47-138
Toluene-d8		96	68-124

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 44 of 119

Level 1 Report v2.1

CVAA

Client: ARCADIS U.S., Inc.	Laboratory ID: KK07010-013
Description: HA01MW17 (6-7)	Matrix: Solid
Date Sampled: 11/04/2009 0845	% Solids: 85.9 11/07/2009 1710
Date Received: 11/07/2009	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1		7471B	1	11/10/2009 2219	BNW	11/10/2009 2040	21345		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7471B	0.023	J	0.094	0.0067	mg/kg	1

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank

J = Estimated result < PQL and $\geq$ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 45 of 119

Level 1 Report v2.1

RCRA Metals

Client: ARCADIS U.S., Inc.	Laboratory ID: KK07010-013
Description: HA01MW17 (6-7)	Matrix: Solid
Date Sampled: 11/04/2009 0845	% Solids: 85.9 11/07/2009 1710
Date Received: 11/07/2009	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3050B	6010C	5	11/12/2009 2152	KJC	11/11/2009 2021	21329
2	3050B	6010C	5	11/13/2009 1451	KJC	11/11/2009 2021	21329

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	ND		2.9	1.1	mg/kg	1
Barium	7440-39-3	6010C	17		7.5	0.52	mg/kg	1
Cadmium	7440-43-9	6010C	0.083	J	0.58	0.060	mg/kg	1
Chromium	7440-47-3	6010C	9.3		1.4	0.29	mg/kg	1
Lead	7439-92-1	6010C	5.2		2.9	0.53	mg/kg	2
Selenium	7782-49-2	6010C	ND		2.9	1.0	mg/kg	1
Silver	7440-22-4	6010C	ND		1.4	0.24	mg/kg	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Inorganic non-metals

Client: ARCADIS U.S., Inc.				Laboratory ID: KK07010-014			
Description: H-10-HAA01				Matrix: Solid			
Date Sampled: 11/04/2009 1711				% Solids: 84.0 11/07/2009 1710			
Date Received: 11/07/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Ignitability) 1010A	1	11/10/2009 1629	PMM		
1		(pH) 9045D	1	11/09/2009 1545	BAN		21335

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Ignitability (Pensky-Martens Closed-Cup)		1010A	>140				° F	1
pH		9045D	5.03	H	0.000	0.000	su	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 47 of 119

Level 1 Report v2.1

TCLP Volatiles

Client: ARCADIS U.S., Inc.				Laboratory ID: KK07010-014			
Description: H-10-HAA01				Matrix: Solid			
Date Sampled: 11/04/2009 1711				% Solids: 84.0 11/07/2009 1710			
Date Received: 11/07/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/5030B	8260B	10	11/17/2009 1055	DLB		21922	11/10/2009 1555

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		0.050	0.0020	mg/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		0.10	0.018	mg/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.050	0.0040	mg/L	1
Chlorobenzene	108-90-7	8260B	ND		0.050	0.0020	mg/L	1
Chloroform	67-66-3	8260B	ND		0.050	0.0030	mg/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.050	0.0030	mg/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.050	0.0050	mg/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.050	0.0040	mg/L	1
Trichloroethene	79-01-6	8260B	ND		0.050	0.0030	mg/L	1
Vinyl chloride	75-01-4	8260B	ND		0.010	0.0010	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		89	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 48 of 119

Level 1 Report v2.1

TCLP Pesticides

Client: ARCADIS U.S., Inc.			Laboratory ID: KK07010-014		
Description: H-10-HAA01			Matrix: Solid		
Date Sampled: 11/04/2009 1711			% Solids: 84.0 11/07/2009 1710		
Date Received: 11/07/2009					

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/3520C	8081B	1	11/17/2009 2300	ASB	11/13/2009 0006	21616	11/10/2009 1555

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.00050	0.00	mg/L	1
Chlordane	57-74-9	8081B	ND		0.0025	0.00	mg/L	1
Endrin	72-20-8	8081B	ND		0.00050	0.00	mg/L	1
Heptachlor	76-44-8	8081B	ND		0.00050	0.00	mg/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.00050	0.00	mg/L	1
Methoxychlor	72-43-5	8081B	ND		0.0020	0.00	mg/L	1
Toxaphene	8001-35-2	8081B	ND		0.0050	0.00	mg/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
Decachlorobiphenyl		85	49-124					
Tetrachloro-m-xylene		91	58-122					

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 49 of 119

Level 1 Report v2.1

TCLP Metals

Client: ARCADIS U.S., Inc.	Laboratory ID: KK07010-014
Description: H-10-HAA01	Matrix: Solid
Date Sampled: 11/04/2009 1711	% Solids: 84.0 11/07/2009 1710
Date Received: 11/07/2009	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/7470A	7470A	1	11/11/2009 2309	BNW	11/11/2009 1900	21483	11/10/2009 1555
1	1311/3010A	6010C	10	11/12/2009 1854	KJC	11/11/2009 1900	21486	11/10/2009 1555

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.10	0.023	mg/L	1
Barium	7440-39-3	6010C	0.15	J	0.25	0.023	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.020	0.0030	mg/L	1
Chromium	7440-47-3	6010C	ND		0.050	0.014	mg/L	1
Lead	7439-92-1	6010C	ND		0.10	0.017	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00020	0.000032	mg/L	1
Selenium	7782-49-2	6010C	ND		0.10	0.032	mg/L	1
Silver	7440-22-4	6010C	ND		0.050	0.0090	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Inorganic non-metals

Client: ARCADIS U.S., Inc.				Laboratory ID: KK07010-015			
Description: H-11-HAA01				Matrix: Solid			
Date Sampled: 11/05/2009 0855				% Solids: 86.8 11/07/2009 1710			
Date Received: 11/07/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Ignitability) 1010A	1	11/10/2009 1629	PMM		
1		(pH) 9045D	1	11/09/2009 1545	BAN		21335

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Ignitability (Pensky-Martens Closed-Cup)		1010A	>140				° F	1
pH		9045D	5.47	H	0.000	0.000	su	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 51 of 119

Level 1 Report v2.1

TCLP Volatiles

Client: ARCADIS U.S., Inc.				Laboratory ID: KK07010-015			
Description: H-11-HAA01				Matrix: Solid			
Date Sampled: 11/05/2009 0855				% Solids: 86.8 11/07/2009 1710			
Date Received: 11/07/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/5030B	8260B	10	11/17/2009 1116	DLB		21922	11/10/2009 1555

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		0.050	0.0020	mg/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		0.10	0.018	mg/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.050	0.0040	mg/L	1
Chlorobenzene	108-90-7	8260B	ND		0.050	0.0020	mg/L	1
Chloroform	67-66-3	8260B	ND		0.050	0.0030	mg/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.050	0.0030	mg/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.050	0.0050	mg/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.050	0.0040	mg/L	1
Trichloroethene	79-01-6	8260B	ND		0.050	0.0030	mg/L	1
Vinyl chloride	75-01-4	8260B	ND		0.010	0.0010	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		87	70-130
Bromofluorobenzene		88	70-130
Toluene-d8		93	70-130

PQL = Practical quantitation limit	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL	J = Estimated result < PQL and ≥ MDL	P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"		N = Recovery is out of criteria H = Out of holding time

TCLP Pesticides

Client: ARCADIS U.S., Inc.		Laboratory ID: KK07010-015	
Description: H-11-HAA01		Matrix: Solid	
Date Sampled: 11/05/2009 0855		% Solids: 86.8 11/07/2009 1710	
Date Received: 11/07/2009			

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/3520C	8081B	1	11/17/2009 2316	ASB	11/13/2009 0006	21616	11/10/2009 1555

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.00050	0.00	mg/L	1
Chlordane	57-74-9	8081B	ND		0.0025	0.00	mg/L	1
Endrin	72-20-8	8081B	ND		0.00050	0.00	mg/L	1
Heptachlor	76-44-8	8081B	ND		0.00050	0.00	mg/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.00050	0.00	mg/L	1
Methoxychlor	72-43-5	8081B	ND		0.0020	0.00	mg/L	1
Toxaphene	8001-35-2	8081B	ND		0.0050	0.00	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		96	49-124
Tetrachloro-m-xylene		86	58-122

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 53 of 119

Level 1 Report v2.1

TCLP Metals

Client: ARCADIS U.S., Inc.		Laboratory ID: KK07010-015	
Description: H-11-HAA01		Matrix: Solid	
Date Sampled: 11/05/2009 0855		% Solids: 86.8 11/07/2009 1710	
Date Received: 11/07/2009			

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/7470A	7470A	1	11/11/2009 2311	BNW	11/11/2009 1900	21483	11/10/2009 1555
1	1311/3010A	6010C	10	11/12/2009 1904	KJC	11/11/2009 1900	21486	11/10/2009 1555

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.10	0.023	mg/L	1
Barium	7440-39-3	6010C	0.12	J	0.25	0.023	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.020	0.0030	mg/L	1
Chromium	7440-47-3	6010C	ND		0.050	0.014	mg/L	1
Lead	7439-92-1	6010C	0.018	J	0.10	0.017	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00020	0.000032	mg/L	1
Selenium	7782-49-2	6010C	ND		0.10	0.032	mg/L	1
Silver	7440-22-4	6010C	ND		0.050	0.0090	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 54 of 119

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KK07010-016			
Description: TRIP BLANK				Matrix: Aqueous			
Date Sampled: 11/07/2009							
Date Received: 11/07/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	11/17/2009 1726	DLB		21834		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	3.0	BJ	10	0.061	ug/L	1	
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1	
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1	
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1	
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1	
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1	
Carbon disulfide	75-15-0	8260B	0.50	B	0.50	0.097	ug/L	1	
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1	
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1	
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1	
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1	
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1	
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1	
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1	
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1	
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1	
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1	
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1	
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1	
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1	
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1	
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1	
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1	
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1	
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1	
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1	
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1	
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1	
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1	
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1	
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1	
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1	
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1	
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1	
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1	
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1	
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1	
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1	
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1	
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KK07010-016			
Description: TRIP BLANK				Matrix: Aqueous			
Date Sampled: 11/07/2009							
Date Received: 11/07/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 11/17/2009 1726	Analyst DLB	Prep Date	Batch 21834

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		87	70-130
Bromofluorobenzene		84	70-130
Toluene-d8		92	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ21537-001

Matrix: Solid

Batch: 21537

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	11/12/2009 0146
Benzene	ND		1	5.0	1.1	ug/kg	11/12/2009 0146
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	11/12/2009 0146
Bromoform	ND		1	5.0	0.70	ug/kg	11/12/2009 0146
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	11/12/2009 0146
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	11/12/2009 0146
Carbon disulfide	ND		1	5.0	1.3	ug/kg	11/12/2009 0146
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	11/12/2009 0146
Chlorobenzene	ND		1	5.0	1.7	ug/kg	11/12/2009 0146
Chloroethane	ND		1	5.0	1.3	ug/kg	11/12/2009 0146
Chloroform	ND		1	5.0	0.83	ug/kg	11/12/2009 0146
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	11/12/2009 0146
Cyclohexane	ND		1	5.0	0.67	ug/kg	11/12/2009 0146
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	11/12/2009 0146
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	11/12/2009 0146
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	11/12/2009 0146
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	11/12/2009 0146
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	11/12/2009 0146
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	11/12/2009 0146
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	11/12/2009 0146
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	11/12/2009 0146
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	11/12/2009 0146
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	11/12/2009 0146
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	11/12/2009 0146
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	11/12/2009 0146
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	11/12/2009 0146
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	11/12/2009 0146
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	11/12/2009 0146
Ethylbenzene	ND		1	5.0	1.7	ug/kg	11/12/2009 0146
2-Hexanone	ND		1	10	1.3	ug/kg	11/12/2009 0146
Isopropylbenzene	ND		1	5.0	0.80	ug/kg	11/12/2009 0146
Methyl acetate	ND		1	5.0	0.67	ug/kg	11/12/2009 0146
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	11/12/2009 0146
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	11/12/2009 0146
Methylcyclohexane	ND		1	5.0	0.61	ug/kg	11/12/2009 0146
Methylene chloride	ND		1	5.0	2.6	ug/kg	11/12/2009 0146
Styrene	ND		1	5.0	1.1	ug/kg	11/12/2009 0146
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	11/12/2009 0146
Tetrachloroethene	ND		1	5.0	2.3	ug/kg	11/12/2009 0146
Toluene	ND		1	5.0	1.7	ug/kg	11/12/2009 0146
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	2.1	ug/kg	11/12/2009 0146
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	11/12/2009 0146
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	11/12/2009 0146
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	11/12/2009 0146

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ21537-001

Matrix: Solid

Batch: 21537

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	11/12/2009 0146
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	11/12/2009 0146
Vinyl chloride	ND		1	5.0	0.86	ug/kg	11/12/2009 0146
Xylenes (total)	ND		1	5.0	2.9	ug/kg	11/12/2009 0146
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		99	47-138				
1,2-Dichloroethane-d4		93	53-142				
Toluene-d8		102	68-124				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ21537-002

Matrix: Solid

Batch: 21537

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	94		1	94	42-149	11/12/2009 0035
Benzene	50	51		1	102	69-123	11/12/2009 0035
Bromodichloromethane	50	50		1	99	69-121	11/12/2009 0035
Bromoform	50	45		1	90	61-119	11/12/2009 0035
Bromomethane (Methyl bromide)	50	51		1	102	35-144	11/12/2009 0035
2-Butanone (MEK)	100	110		1	106	57-148	11/12/2009 0035
Carbon disulfide	50	58		1	116	58-122	11/12/2009 0035
Carbon tetrachloride	50	53		1	107	58-136	11/12/2009 0035
Chlorobenzene	50	50		1	100	59-129	11/12/2009 0035
Chloroethane	50	43		1	85	50-132	11/12/2009 0035
Chloroform	50	50		1	101	71-125	11/12/2009 0035
Chloromethane (Methyl chloride)	50	71	N	1	142	34-134	11/12/2009 0035
Cyclohexane	50	54		1	107	53-139	11/12/2009 0035
1,2-Dibromo-3-chloropropane (DBCP)	50	47		1	93	55-125	11/12/2009 0035
Dibromochloromethane	50	49		1	98	66-119	11/12/2009 0035
1,2-Dibromoethane (EDB)	50	48		1	96	74-124	11/12/2009 0035
1,3-Dichlorobenzene	50	52		1	103	51-134	11/12/2009 0035
1,2-Dichlorobenzene	50	50		1	101	57-131	11/12/2009 0035
1,4-Dichlorobenzene	50	51		1	102	52-133	11/12/2009 0035
Dichlorodifluoromethane	50	87	N	1	175	10-157	11/12/2009 0035
1,1-Dichloroethane	50	51		1	102	71-127	11/12/2009 0035
1,2-Dichloroethane	50	52		1	103	67-129	11/12/2009 0035
1,1-Dichloroethene	50	54		1	108	69-138	11/12/2009 0035
cis-1,2-Dichloroethene	50	51		1	103	70-122	11/12/2009 0035
trans-1,2-Dichloroethene	50	53		1	106	68-131	11/12/2009 0035
1,2-Dichloropropane	50	51		1	101	72-124	11/12/2009 0035
cis-1,3-Dichloropropene	50	51		1	101	70-126	11/12/2009 0035
trans-1,3-Dichloropropene	50	50		1	100	70-124	11/12/2009 0035
Ethylbenzene	50	52		1	104	59-128	11/12/2009 0035
2-Hexanone	100	99		1	99	54-137	11/12/2009 0035
Isopropylbenzene	50	52		1	105	50-136	11/12/2009 0035
Methyl acetate	50	60		1	119	59-137	11/12/2009 0035
Methyl tertiary butyl ether (MTBE)	50	51		1	103	72-122	11/12/2009 0035
4-Methyl-2-pentanone	100	100		1	101	60-134	11/12/2009 0035
Methylcyclohexane	50	55		1	110	41-144	11/12/2009 0035
Methylene chloride	50	49		1	97	77-129	11/12/2009 0035
Styrene	50	51		1	102	54-136	11/12/2009 0035
1,1,2,2-Tetrachloroethane	50	51		1	101	69-132	11/12/2009 0035
Tetrachloroethene	50	53		1	105	70-130	11/12/2009 0035
Toluene	50	52		1	103	61-129	11/12/2009 0035
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	52		1	104	49-136	11/12/2009 0035
1,2,4-Trichlorobenzene	50	52		1	104	34-145	11/12/2009 0035
1,1,2-Trichloroethane	50	49		1	98	55-128	11/12/2009 0035
1,1,1-Trichloroethane	50	52		1	104	63-128	11/12/2009 0035

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ21537-002

Matrix: Solid

Batch: 21537

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	52		1	105	62-126	11/12/2009 0035
Trichlorofluoromethane	50	57		1	114	45-138	11/12/2009 0035
Vinyl chloride	50	69	N	1	138	42-132	11/12/2009 0035
Xylenes (total)	100	100		1	103	58-128	11/12/2009 0035
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		100	47-138				
1,2-Dichloroethane-d4		88	53-142				
Toluene-d8		102	68-124				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ21537-003

Matrix: Solid

Batch: 21537

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	100		1	102	8.3	42-149	20	11/12/2009 0059
Benzene	50	52		1	104	2.0	69-123	20	11/12/2009 0059
Bromodichloromethane	50	51		1	103	3.7	69-121	20	11/12/2009 0059
Bromoform	50	47		1	95	5.4	61-119	20	11/12/2009 0059
Bromomethane (Methyl bromide)	50	52		1	104	1.7	35-144	20	11/12/2009 0059
2-Butanone (MEK)	100	120		1	115	8.9	57-148	20	11/12/2009 0059
Carbon disulfide	50	59		1	117	1.2	58-122	20	11/12/2009 0059
Carbon tetrachloride	50	54		1	109	1.8	58-136	20	11/12/2009 0059
Chlorobenzene	50	52		1	103	2.9	59-129	20	11/12/2009 0059
Chloroethane	50	48		1	95	11	50-132	20	11/12/2009 0059
Chloroform	50	52		1	104	2.8	71-125	20	11/12/2009 0059
Chloromethane (Methyl chloride)	50	69	N	1	137	3.7	34-134	20	11/12/2009 0059
Cyclohexane	50	54		1	109	1.5	53-139	20	11/12/2009 0059
1,2-Dibromo-3-chloropropane (DBCP)	50	50		1	101	7.5	55-125	20	11/12/2009 0059
Dibromochloromethane	50	51		1	102	4.4	66-119	20	11/12/2009 0059
1,2-Dibromoethane (EDB)	50	50		1	100	4.8	74-124	20	11/12/2009 0059
1,3-Dichlorobenzene	50	52		1	103	0.0078	51-134	20	11/12/2009 0059
1,2-Dichlorobenzene	50	50		1	101	0.49	57-131	20	11/12/2009 0059
1,4-Dichlorobenzene	50	51		1	102	0.069	52-133	20	11/12/2009 0059
Dichlorodifluoromethane	50	88	N	1	176	0.67	10-157	20	11/12/2009 0059
1,1-Dichloroethane	50	53		1	106	3.5	71-127	20	11/12/2009 0059
1,2-Dichloroethane	50	53		1	106	3.1	67-129	20	11/12/2009 0059
1,1-Dichloroethene	50	55		1	110	2.1	69-138	20	11/12/2009 0059
cis-1,2-Dichloroethene	50	53		1	106	2.9	70-122	20	11/12/2009 0059
trans-1,2-Dichloroethene	50	54		1	108	1.1	68-131	20	11/12/2009 0059
1,2-Dichloropropane	50	52		1	103	2.0	72-124	20	11/12/2009 0059
cis-1,3-Dichloropropene	50	53		1	105	3.8	70-126	20	11/12/2009 0059
trans-1,3-Dichloropropene	50	52		1	105	4.7	70-124	20	11/12/2009 0059
Ethylbenzene	50	52		1	105	0.70	59-128	20	11/12/2009 0059
2-Hexanone	100	110		1	107	7.7	54-137	20	11/12/2009 0059
Isopropylbenzene	50	53		1	106	0.74	50-136	20	11/12/2009 0059
Methyl acetate	50	64		1	128	7.4	59-137	20	11/12/2009 0059
Methyl tertiary butyl ether (MTBE)	50	54		1	107	4.3	72-122	20	11/12/2009 0059
4-Methyl-2-pentanone	100	110		1	108	6.6	60-134	20	11/12/2009 0059
Methylcyclohexane	50	55		1	110	0.0072	41-144	20	11/12/2009 0059
Methylene chloride	50	51		1	101	4.1	77-129	20	11/12/2009 0059
Styrene	50	53		1	106	3.6	54-136	20	11/12/2009 0059
1,1,2,2-Tetrachloroethane	50	52		1	104	3.0	69-132	20	11/12/2009 0059
Tetrachloroethene	50	53		1	107	1.7	70-130	20	11/12/2009 0059
Toluene	50	52		1	104	1.3	61-129	20	11/12/2009 0059
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	52		1	105	0.23	49-136	20	11/12/2009 0059
1,2,4-Trichlorobenzene	50	53		1	106	1.9	34-145	20	11/12/2009 0059
1,1,2-Trichloroethane	50	52		1	103	5.7	55-128	20	11/12/2009 0059
1,1,1-Trichloroethane	50	53		1	105	0.99	63-128	20	11/12/2009 0059

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ21537-003

Matrix: Solid

Batch: 21537

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	53		1	105	0.48	62-126	20	11/12/2009 0059
Trichlorofluoromethane	50	56		1	113	0.56	45-138	20	11/12/2009 0059
Vinyl chloride	50	66		1	132	4.5	42-132	20	11/12/2009 0059
Xylenes (total)	100	110		1	106	2.8	58-128	20	11/12/2009 0059
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		102	47-138						
1,2-Dichloroethane-d4		89	53-142						
Toluene-d8		101	68-124						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ21538-001

Matrix: Solid

Batch: 21538

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	11/12/2009 0146
Benzene	ND		1	5.0	1.1	ug/kg	11/12/2009 0146
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	11/12/2009 0146
Bromoform	ND		1	5.0	0.70	ug/kg	11/12/2009 0146
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	11/12/2009 0146
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	11/12/2009 0146
Carbon disulfide	ND		1	5.0	1.3	ug/kg	11/12/2009 0146
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	11/12/2009 0146
Chlorobenzene	ND		1	5.0	1.7	ug/kg	11/12/2009 0146
Chloroethane	ND		1	5.0	1.3	ug/kg	11/12/2009 0146
Chloroform	ND		1	5.0	0.83	ug/kg	11/12/2009 0146
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	11/12/2009 0146
Cyclohexane	ND		1	5.0	0.67	ug/kg	11/12/2009 0146
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	11/12/2009 0146
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	11/12/2009 0146
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	11/12/2009 0146
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	11/12/2009 0146
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	11/12/2009 0146
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	11/12/2009 0146
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	11/12/2009 0146
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	11/12/2009 0146
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	11/12/2009 0146
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	11/12/2009 0146
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	11/12/2009 0146
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	11/12/2009 0146
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	11/12/2009 0146
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	11/12/2009 0146
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	11/12/2009 0146
Ethylbenzene	ND		1	5.0	1.7	ug/kg	11/12/2009 0146
2-Hexanone	ND		1	10	1.3	ug/kg	11/12/2009 0146
Isopropylbenzene	ND		1	5.0	0.80	ug/kg	11/12/2009 0146
Methyl acetate	ND		1	5.0	0.67	ug/kg	11/12/2009 0146
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	11/12/2009 0146
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	11/12/2009 0146
Methylcyclohexane	ND		1	5.0	0.61	ug/kg	11/12/2009 0146
Methylene chloride	ND		1	5.0	2.6	ug/kg	11/12/2009 0146
Styrene	ND		1	5.0	1.1	ug/kg	11/12/2009 0146
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	11/12/2009 0146
Tetrachloroethene	ND		1	5.0	2.3	ug/kg	11/12/2009 0146
Toluene	ND		1	5.0	1.7	ug/kg	11/12/2009 0146
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	2.1	ug/kg	11/12/2009 0146
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	11/12/2009 0146
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	11/12/2009 0146
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	11/12/2009 0146

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ21538-001

Matrix: Solid

Batch: 21538

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	11/12/2009 0146
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	11/12/2009 0146
Vinyl chloride	ND		1	5.0	0.86	ug/kg	11/12/2009 0146
Xylenes (total)	ND		1	5.0	2.9	ug/kg	11/12/2009 0146
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		99	47-138				
1,2-Dichloroethane-d4		93	53-142				
Toluene-d8		102	68-124				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ21538-002

Matrix: Solid

Batch: 21538

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	94		1	94	42-149	11/12/2009 0035
Benzene	50	51		1	102	69-123	11/12/2009 0035
Bromodichloromethane	50	50		1	99	69-121	11/12/2009 0035
Bromoform	50	45		1	90	61-119	11/12/2009 0035
Bromomethane (Methyl bromide)	50	51		1	102	35-144	11/12/2009 0035
2-Butanone (MEK)	100	110		1	106	57-148	11/12/2009 0035
Carbon disulfide	50	58		1	116	58-122	11/12/2009 0035
Carbon tetrachloride	50	53		1	107	58-136	11/12/2009 0035
Chlorobenzene	50	50		1	100	59-129	11/12/2009 0035
Chloroethane	50	43		1	85	50-132	11/12/2009 0035
Chloroform	50	50		1	101	71-125	11/12/2009 0035
Chloromethane (Methyl chloride)	50	71	N	1	142	34-134	11/12/2009 0035
Cyclohexane	50	54		1	107	53-139	11/12/2009 0035
1,2-Dibromo-3-chloropropane (DBCP)	50	47		1	93	55-125	11/12/2009 0035
Dibromochloromethane	50	49		1	98	66-119	11/12/2009 0035
1,2-Dibromoethane (EDB)	50	48		1	96	74-124	11/12/2009 0035
1,2-Dichlorobenzene	50	50		1	101	57-131	11/12/2009 0035
1,4-Dichlorobenzene	50	51		1	102	52-133	11/12/2009 0035
1,3-Dichlorobenzene	50	52		1	103	51-134	11/12/2009 0035
Dichlorodifluoromethane	50	87	N	1	175	10-157	11/12/2009 0035
1,1-Dichloroethane	50	51		1	102	71-127	11/12/2009 0035
1,2-Dichloroethane	50	52		1	103	67-129	11/12/2009 0035
1,1-Dichloroethene	50	54		1	108	69-138	11/12/2009 0035
cis-1,2-Dichloroethene	50	51		1	103	70-122	11/12/2009 0035
trans-1,2-Dichloroethene	50	53		1	106	68-131	11/12/2009 0035
1,2-Dichloropropane	50	51		1	101	72-124	11/12/2009 0035
trans-1,3-Dichloropropene	50	50		1	100	70-124	11/12/2009 0035
cis-1,3-Dichloropropene	50	51		1	101	70-126	11/12/2009 0035
Ethylbenzene	50	52		1	104	59-128	11/12/2009 0035
2-Hexanone	100	99		1	99	54-137	11/12/2009 0035
Isopropylbenzene	50	52		1	105	50-136	11/12/2009 0035
Methyl acetate	50	60		1	119	59-137	11/12/2009 0035
Methyl tertiary butyl ether (MTBE)	50	51		1	103	72-122	11/12/2009 0035
4-Methyl-2-pentanone	100	100		1	101	60-134	11/12/2009 0035
Methylcyclohexane	50	55		1	110	41-144	11/12/2009 0035
Methylene chloride	50	49		1	97	77-129	11/12/2009 0035
Styrene	50	51		1	102	54-136	11/12/2009 0035
1,1,2,2-Tetrachloroethane	50	51		1	101	69-132	11/12/2009 0035
Tetrachloroethene	50	53		1	105	70-130	11/12/2009 0035
Toluene	50	52		1	103	61-129	11/12/2009 0035
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	52		1	104	49-136	11/12/2009 0035
1,2,4-Trichlorobenzene	50	52		1	104	34-145	11/12/2009 0035
1,1,2-Trichloroethane	50	49		1	98	55-128	11/12/2009 0035
1,1,1-Trichloroethane	50	52		1	104	63-128	11/12/2009 0035

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ21538-002

Matrix: Solid

Batch: 21538

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	52		1	105	62-126	11/12/2009 0035
Trichlorofluoromethane	50	57		1	114	45-138	11/12/2009 0035
Vinyl chloride	50	69	N	1	138	42-132	11/12/2009 0035
Xylenes (total)	100	100		1	103	58-128	11/12/2009 0035
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		100	47-138				
1,2-Dichloroethane-d4		88	53-142				
Toluene-d8		102	68-124				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ21538-003

Matrix: Solid

Batch: 21538

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	100		1	102	8.3	42-149	20	11/12/2009 0059
Benzene	50	52		1	104	2.0	69-123	20	11/12/2009 0059
Bromodichloromethane	50	51		1	103	3.7	69-121	20	11/12/2009 0059
Bromoform	50	47		1	95	5.4	61-119	20	11/12/2009 0059
Bromomethane (Methyl bromide)	50	52		1	104	1.7	35-144	20	11/12/2009 0059
2-Butanone (MEK)	100	120		1	115	8.9	57-148	20	11/12/2009 0059
Carbon disulfide	50	59		1	117	1.2	58-122	20	11/12/2009 0059
Carbon tetrachloride	50	54		1	109	1.8	58-136	20	11/12/2009 0059
Chlorobenzene	50	52		1	103	2.9	59-129	20	11/12/2009 0059
Chloroethane	50	48		1	95	11	50-132	20	11/12/2009 0059
Chloroform	50	52		1	104	2.8	71-125	20	11/12/2009 0059
Chloromethane (Methyl chloride)	50	69	N	1	137	3.7	34-134	20	11/12/2009 0059
Cyclohexane	50	54		1	109	1.5	53-139	20	11/12/2009 0059
1,2-Dibromo-3-chloropropane (DBCP)	50	50		1	101	7.5	55-125	20	11/12/2009 0059
Dibromochloromethane	50	51		1	102	4.4	66-119	20	11/12/2009 0059
1,2-Dibromoethane (EDB)	50	50		1	100	4.8	74-124	20	11/12/2009 0059
1,2-Dichlorobenzene	50	50		1	101	0.49	57-131	20	11/12/2009 0059
1,4-Dichlorobenzene	50	51		1	102	0.069	52-133	20	11/12/2009 0059
1,3-Dichlorobenzene	50	52		1	103	0.0078	51-134	20	11/12/2009 0059
Dichlorodifluoromethane	50	88	N	1	176	0.67	10-157	20	11/12/2009 0059
1,1-Dichloroethane	50	53		1	106	3.5	71-127	20	11/12/2009 0059
1,2-Dichloroethane	50	53		1	106	3.1	67-129	20	11/12/2009 0059
1,1-Dichloroethene	50	55		1	110	2.1	69-138	20	11/12/2009 0059
cis-1,2-Dichloroethene	50	53		1	106	2.9	70-122	20	11/12/2009 0059
trans-1,2-Dichloroethene	50	54		1	108	1.1	68-131	20	11/12/2009 0059
1,2-Dichloropropane	50	52		1	103	2.0	72-124	20	11/12/2009 0059
trans-1,3-Dichloropropene	50	52		1	105	4.7	70-124	20	11/12/2009 0059
cis-1,3-Dichloropropene	50	53		1	105	3.8	70-126	20	11/12/2009 0059
Ethylbenzene	50	52		1	105	0.70	59-128	20	11/12/2009 0059
2-Hexanone	100	110		1	107	7.7	54-137	20	11/12/2009 0059
Isopropylbenzene	50	53		1	106	0.74	50-136	20	11/12/2009 0059
Methyl acetate	50	64		1	128	7.4	59-137	20	11/12/2009 0059
Methyl tertiary butyl ether (MTBE)	50	54		1	107	4.3	72-122	20	11/12/2009 0059
4-Methyl-2-pentanone	100	110		1	108	6.6	60-134	20	11/12/2009 0059
Methylcyclohexane	50	55		1	110	0.0072	41-144	20	11/12/2009 0059
Methylene chloride	50	51		1	101	4.1	77-129	20	11/12/2009 0059
Styrene	50	53		1	106	3.6	54-136	20	11/12/2009 0059
1,1,2,2-Tetrachloroethane	50	52		1	104	3.0	69-132	20	11/12/2009 0059
Tetrachloroethene	50	53		1	107	1.7	70-130	20	11/12/2009 0059
Toluene	50	52		1	104	1.3	61-129	20	11/12/2009 0059
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	52		1	105	0.23	49-136	20	11/12/2009 0059
1,2,4-Trichlorobenzene	50	53		1	106	1.9	34-145	20	11/12/2009 0059
1,1,2-Trichloroethane	50	52		1	103	5.7	55-128	20	11/12/2009 0059
1,1,1-Trichloroethane	50	53		1	105	0.99	63-128	20	11/12/2009 0059

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ21538-003

Matrix: Solid

Batch: 21538

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	53		1	105	0.48	62-126	20	11/12/2009 0059
Trichlorofluoromethane	50	56		1	113	0.56	45-138	20	11/12/2009 0059
Vinyl chloride	50	66		1	132	4.5	42-132	20	11/12/2009 0059
Xylenes (total)	100	110		1	106	2.8	58-128	20	11/12/2009 0059
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		102	47-138						
1,2-Dichloroethane-d4		89	53-142						
Toluene-d8		101	68-124						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ21834-001

Matrix: Aqueous

Batch: 21834

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	1.4	J	1	10	0.061	ug/L	11/17/2009 1222
Benzene	ND		1	0.50	0.027	ug/L	11/17/2009 1222
Bromodichloromethane	ND		1	0.50	0.17	ug/L	11/17/2009 1222
Bromoform	ND		1	0.50	0.010	ug/L	11/17/2009 1222
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	11/17/2009 1222
2-Butanone (MEK)	ND		1	10	2.0	ug/L	11/17/2009 1222
Carbon disulfide	0.18	J	1	0.50	0.097	ug/L	11/17/2009 1222
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	11/17/2009 1222
Chlorobenzene	ND		1	0.50	0.17	ug/L	11/17/2009 1222
Chloroethane	ND		1	0.50	0.17	ug/L	11/17/2009 1222
Chloroform	ND		1	0.50	0.17	ug/L	11/17/2009 1222
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	11/17/2009 1222
Cyclohexane	ND		1	0.50	0.30	ug/L	11/17/2009 1222
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	11/17/2009 1222
Dibromochloromethane	ND		1	0.50	0.17	ug/L	11/17/2009 1222
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	11/17/2009 1222
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	11/17/2009 1222
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	11/17/2009 1222
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	11/17/2009 1222
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	11/17/2009 1222
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	11/17/2009 1222
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	11/17/2009 1222
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	11/17/2009 1222
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	11/17/2009 1222
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	11/17/2009 1222
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	11/17/2009 1222
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	11/17/2009 1222
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	11/17/2009 1222
Ethylbenzene	ND		1	0.50	0.17	ug/L	11/17/2009 1222
2-Hexanone	ND		1	10	0.27	ug/L	11/17/2009 1222
Isopropylbenzene	ND		1	0.50	0.029	ug/L	11/17/2009 1222
Methyl acetate	ND		1	1.0	0.30	ug/L	11/17/2009 1222
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	11/17/2009 1222
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	11/17/2009 1222
Methylcyclohexane	ND		1	5.0	0.95	ug/L	11/17/2009 1222
Methylene chloride	ND		1	0.50	0.17	ug/L	11/17/2009 1222
Styrene	ND		1	0.50	0.015	ug/L	11/17/2009 1222
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	11/17/2009 1222
Tetrachloroethene	ND		1	0.50	0.014	ug/L	11/17/2009 1222
Toluene	ND		1	0.50	0.17	ug/L	11/17/2009 1222
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	11/17/2009 1222
1,2,4-Trichlorobenzene	ND		1	0.50	0.17	ug/L	11/17/2009 1222
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	11/17/2009 1222
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	11/17/2009 1222

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ21834-001

Matrix: Aqueous

Batch: 21834

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.024	ug/L	11/17/2009 1222
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	11/17/2009 1222
Vinyl chloride	ND		1	0.50	0.065	ug/L	11/17/2009 1222
Xylenes (total)	ND		1	0.50	0.17	ug/L	11/17/2009 1222
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		89	70-130				
1,2-Dichloroethane-d4		87	70-130				
Toluene-d8		92	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ21834-002

Matrix: Aqueous

Batch: 21834

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	120		1	119	46-153	11/17/2009 1055
Benzene	50	44		1	88	70-130	11/17/2009 1055
Bromodichloromethane	50	44		1	88	70-130	11/17/2009 1055
Bromoform	50	42		1	83	70-130	11/17/2009 1055
Bromomethane (Methyl bromide)	50	55		1	109	60-140	11/17/2009 1055
2-Butanone (MEK)	100	96		1	96	60-140	11/17/2009 1055
Carbon disulfide	50	52		1	104	60-140	11/17/2009 1055
Carbon tetrachloride	50	49		1	98	70-130	11/17/2009 1055
Chlorobenzene	50	43		1	86	70-130	11/17/2009 1055
Chloroethane	50	42		1	83	42-163	11/17/2009 1055
Chloroform	50	47		1	94	70-130	11/17/2009 1055
Chloromethane (Methyl chloride)	50	43		1	86	20-158	11/17/2009 1055
Cyclohexane	50	46		1	93	70-130	11/17/2009 1055
1,2-Dibromo-3-chloropropane (DBCP)	50	51		1	101	70-130	11/17/2009 1055
Dibromochloromethane	50	46		1	91	70-130	11/17/2009 1055
1,2-Dibromoethane (EDB)	50	41		1	82	70-130	11/17/2009 1055
1,2-Dichlorobenzene	50	47		1	95	70-130	11/17/2009 1055
1,3-Dichlorobenzene	50	45		1	90	70-130	11/17/2009 1055
1,4-Dichlorobenzene	50	44		1	89	70-130	11/17/2009 1055
Dichlorodifluoromethane	50	36		1	73	60-140	11/17/2009 1055
1,2-Dichloroethane	50	45		1	90	70-130	11/17/2009 1055
1,1-Dichloroethane	50	45		1	90	70-130	11/17/2009 1055
cis-1,2-Dichloroethene	50	46		1	93	70-130	11/17/2009 1055
trans-1,2-Dichloroethene	50	47		1	93	70-130	11/17/2009 1055
1,1-Dichloroethene	50	47		1	94	70-130	11/17/2009 1055
1,2-Dichloropropane	50	44		1	88	70-130	11/17/2009 1055
trans-1,3-Dichloropropene	50	48		1	95	70-130	11/17/2009 1055
cis-1,3-Dichloropropene	50	43		1	86	70-130	11/17/2009 1055
Ethylbenzene	50	46		1	92	70-130	11/17/2009 1055
2-Hexanone	100	86		1	86	60-140	11/17/2009 1055
Isopropylbenzene	50	49		1	98	70-130	11/17/2009 1055
Methyl acetate	50	51		1	103	15-128	11/17/2009 1055
Methyl tertiary butyl ether (MTBE)	50	50		1	100	70-130	11/17/2009 1055
4-Methyl-2-pentanone	100	91		1	91	60-140	11/17/2009 1055
Methylcyclohexane	50	48		1	97	70-130	11/17/2009 1055
Methylene chloride	50	47		1	95	70-130	11/17/2009 1055
Styrene	50	46		1	92	70-130	11/17/2009 1055
1,1,2,2-Tetrachloroethane	50	46		1	92	70-130	11/17/2009 1055
Tetrachloroethene	50	45		1	91	70-130	11/17/2009 1055
Toluene	50	44		1	87	70-130	11/17/2009 1055
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	45		1	91	70-130	11/17/2009 1055
1,2,4-Trichlorobenzene	50	62		1	125	70-130	11/17/2009 1055
1,1,2-Trichloroethane	50	39		1	78	70-130	11/17/2009 1055
1,1,1-Trichloroethane	50	49		1	99	70-130	11/17/2009 1055

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ21834-002

Matrix: Aqueous

Batch: 21834

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	45		1	89	70-130	11/17/2009 1055
Trichlorofluoromethane	50	46		1	93	60-140	11/17/2009 1055
Vinyl chloride	50	42		1	84	60-140	11/17/2009 1055
Xylenes (total)	100	95		1	95	70-130	11/17/2009 1055
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		91	70-130				
1,2-Dichloroethane-d4		86	70-130				
Toluene-d8		92	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ21834-003

Matrix: Aqueous

Batch: 21834

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	110		1	110	7.1	46-153	20	11/17/2009 1117
Benzene	50	44		1	88	0.73	70-130	20	11/17/2009 1117
Bromodichloromethane	50	45		1	89	1.1	70-130	20	11/17/2009 1117
Bromoform	50	41		1	82	1.2	70-130	20	11/17/2009 1117
Bromomethane (Methyl bromide)	50	49		1	98	11	60-140	20	11/17/2009 1117
2-Butanone (MEK)	100	94		1	94	1.9	60-140	20	11/17/2009 1117
Carbon disulfide	50	49		1	99	5.6	60-140	20	11/17/2009 1117
Carbon tetrachloride	50	47		1	94	3.6	70-130	20	11/17/2009 1117
Chlorobenzene	50	43		1	86	0.63	70-130	20	11/17/2009 1117
Chloroethane	50	39		1	78	6.4	42-163	20	11/17/2009 1117
Chloroform	50	46		1	92	3.0	70-130	20	11/17/2009 1117
Chloromethane (Methyl chloride)	50	39		1	79	8.5	20-158	20	11/17/2009 1117
Cyclohexane	50	45		1	89	3.8	70-130	20	11/17/2009 1117
1,2-Dibromo-3-chloropropane (DBCP)	50	46		1	93	9.1	70-130	20	11/17/2009 1117
Dibromochloromethane	50	46		1	91	0.25	70-130	20	11/17/2009 1117
1,2-Dibromoethane (EDB)	50	42		1	84	2.4	70-130	20	11/17/2009 1117
1,2-Dichlorobenzene	50	46		1	92	2.6	70-130	20	11/17/2009 1117
1,3-Dichlorobenzene	50	45		1	90	0.30	70-130	20	11/17/2009 1117
1,4-Dichlorobenzene	50	45		1	89	0.83	70-130	20	11/17/2009 1117
Dichlorodifluoromethane	50	34		1	68	7.3	60-140	20	11/17/2009 1117
1,2-Dichloroethane	50	45		1	90	0.26	70-130	20	11/17/2009 1117
1,1-Dichloroethane	50	44		1	87	3.2	70-130	20	11/17/2009 1117
cis-1,2-Dichloroethene	50	44		1	89	4.1	70-130	20	11/17/2009 1117
trans-1,2-Dichloroethene	50	45		1	90	3.8	70-130	20	11/17/2009 1117
1,1-Dichloroethene	50	44		1	89	5.6	70-130	20	11/17/2009 1117
1,2-Dichloropropane	50	45		1	90	2.4	70-130	20	11/17/2009 1117
trans-1,3-Dichloropropene	50	48		1	97	1.6	70-130	20	11/17/2009 1117
cis-1,3-Dichloropropene	50	44		1	87	1.5	70-130	20	11/17/2009 1117
Ethylbenzene	50	46		1	92	0.87	70-130	20	11/17/2009 1117
2-Hexanone	100	87		1	87	0.98	60-140	20	11/17/2009 1117
Isopropylbenzene	50	48		1	95	2.6	70-130	20	11/17/2009 1117
Methyl acetate	50	49		1	98	4.5	15-128	20	11/17/2009 1117
Methyl tertiary butyl ether (MTBE)	50	48		1	96	4.1	70-130	20	11/17/2009 1117
4-Methyl-2-pentanone	100	90		1	90	1.6	60-140	20	11/17/2009 1117
Methylcyclohexane	50	47		1	95	1.9	70-130	20	11/17/2009 1117
Methylene chloride	50	44		1	88	7.7	70-130	20	11/17/2009 1117
Styrene	50	47		1	93	1.2	70-130	20	11/17/2009 1117
1,1,2,2-Tetrachloroethane	50	44		1	87	5.6	70-130	20	11/17/2009 1117
Tetrachloroethene	50	45		1	90	0.72	70-130	20	11/17/2009 1117
Toluene	50	45		1	90	2.8	70-130	20	11/17/2009 1117
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	42		1	83	8.6	70-130	20	11/17/2009 1117
1,2,4-Trichlorobenzene	50	59		1	118	5.9	70-130	20	11/17/2009 1117
1,1,2-Trichloroethane	50	40		1	80	2.4	70-130	20	11/17/2009 1117
1,1,1-Trichloroethane	50	47		1	94	4.7	70-130	20	11/17/2009 1117

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ21834-003

Matrix: Aqueous

Batch: 21834

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	46		1	91	2.6	70-130	20	11/17/2009 1117
Trichlorofluoromethane	50	46		1	92	1.0	60-140	20	11/17/2009 1117
Vinyl chloride	50	39		1	79	6.5	60-140	20	11/17/2009 1117
Xylenes (total)	100	93		1	93	1.6	70-130	20	11/17/2009 1117
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		89	70-130						
1,2-Dichloroethane-d4		85	70-130						
Toluene-d8		92	70-130						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ21886-001

Matrix: Solid

Batch: 21886

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	11/17/2009 0031
Benzene	ND		1	5.0	1.1	ug/kg	11/17/2009 0031
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	11/17/2009 0031
Bromoform	ND		1	5.0	0.70	ug/kg	11/17/2009 0031
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	11/17/2009 0031
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	11/17/2009 0031
Carbon disulfide	ND		1	5.0	1.3	ug/kg	11/17/2009 0031
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	11/17/2009 0031
Chlorobenzene	ND		1	5.0	1.7	ug/kg	11/17/2009 0031
Chloroethane	ND		1	5.0	1.3	ug/kg	11/17/2009 0031
Chloroform	ND		1	5.0	0.83	ug/kg	11/17/2009 0031
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	11/17/2009 0031
Cyclohexane	ND		1	5.0	0.67	ug/kg	11/17/2009 0031
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	11/17/2009 0031
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	11/17/2009 0031
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	11/17/2009 0031
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	11/17/2009 0031
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	11/17/2009 0031
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	11/17/2009 0031
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	11/17/2009 0031
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	11/17/2009 0031
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	11/17/2009 0031
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	11/17/2009 0031
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	11/17/2009 0031
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	11/17/2009 0031
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	11/17/2009 0031
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	11/17/2009 0031
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	11/17/2009 0031
Ethylbenzene	ND		1	5.0	1.7	ug/kg	11/17/2009 0031
2-Hexanone	ND		1	10	1.3	ug/kg	11/17/2009 0031
Isopropylbenzene	ND		1	5.0	0.80	ug/kg	11/17/2009 0031
Methyl acetate	ND		1	5.0	0.67	ug/kg	11/17/2009 0031
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	11/17/2009 0031
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	11/17/2009 0031
Methylcyclohexane	ND		1	5.0	0.61	ug/kg	11/17/2009 0031
Methylene chloride	ND		1	5.0	2.6	ug/kg	11/17/2009 0031
Styrene	ND		1	5.0	1.1	ug/kg	11/17/2009 0031
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	11/17/2009 0031
Tetrachloroethene	ND		1	5.0	2.3	ug/kg	11/17/2009 0031
Toluene	ND		1	5.0	1.7	ug/kg	11/17/2009 0031
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	2.1	ug/kg	11/17/2009 0031
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	11/17/2009 0031
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	11/17/2009 0031
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	11/17/2009 0031

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ21886-001

Matrix: Solid

Batch: 21886

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	11/17/2009 0031
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	11/17/2009 0031
Vinyl chloride	ND		1	5.0	0.86	ug/kg	11/17/2009 0031
Xylenes (total)	ND		1	5.0	2.9	ug/kg	11/17/2009 0031
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		105	47-138				
1,2-Dichloroethane-d4		102	53-142				
Toluene-d8		112	68-124				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ21886-002

Matrix: Solid

Batch: 21886

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	110		1	110	42-149	11/16/2009 2321
Benzene	50	44		1	89	69-123	11/16/2009 2321
Bromodichloromethane	50	42		1	85	69-121	11/16/2009 2321
Bromoform	50	40		1	80	61-119	11/16/2009 2321
Bromomethane (Methyl bromide)	50	41		1	82	35-144	11/16/2009 2321
2-Butanone (MEK)	100	100		1	101	57-148	11/16/2009 2321
Carbon disulfide	50	49		1	97	58-122	11/16/2009 2321
Carbon tetrachloride	50	43		1	86	58-136	11/16/2009 2321
Chlorobenzene	50	44		1	88	59-129	11/16/2009 2321
Chloroethane	50	41		1	82	50-132	11/16/2009 2321
Chloroform	50	41		1	82	71-125	11/16/2009 2321
Chloromethane (Methyl chloride)	50	39		1	78	34-134	11/16/2009 2321
Cyclohexane	50	45		1	91	53-139	11/16/2009 2321
1,2-Dibromo-3-chloropropane (DBCP)	50	41		1	82	55-125	11/16/2009 2321
Dibromochloromethane	50	43		1	86	66-119	11/16/2009 2321
1,2-Dibromoethane (EDB)	50	42		1	83	74-124	11/16/2009 2321
1,2-Dichlorobenzene	50	41		1	82	57-131	11/16/2009 2321
1,4-Dichlorobenzene	50	42		1	85	52-133	11/16/2009 2321
1,3-Dichlorobenzene	50	43		1	86	51-134	11/16/2009 2321
Dichlorodifluoromethane	50	36		1	72	10-157	11/16/2009 2321
1,1-Dichloroethane	50	43		1	85	71-127	11/16/2009 2321
1,2-Dichloroethane	50	40		1	80	67-129	11/16/2009 2321
1,1-Dichloroethene	50	45		1	90	69-138	11/16/2009 2321
cis-1,2-Dichloroethene	50	43		1	85	70-122	11/16/2009 2321
trans-1,2-Dichloroethene	50	43		1	87	68-131	11/16/2009 2321
1,2-Dichloropropane	50	42		1	85	72-124	11/16/2009 2321
cis-1,3-Dichloropropene	50	43		1	86	70-126	11/16/2009 2321
trans-1,3-Dichloropropene	50	44		1	88	70-124	11/16/2009 2321
Ethylbenzene	50	46		1	92	59-128	11/16/2009 2321
2-Hexanone	100	93		1	93	54-137	11/16/2009 2321
Isopropylbenzene	50	47		1	94	50-136	11/16/2009 2321
Methyl acetate	50	47		1	94	59-137	11/16/2009 2321
Methyl tertiary butyl ether (MTBE)	50	40		1	81	72-122	11/16/2009 2321
4-Methyl-2-pentanone	100	85		1	85	60-134	11/16/2009 2321
Methylcyclohexane	50	46		1	92	41-144	11/16/2009 2321
Methylene chloride	50	40		1	80	77-129	11/16/2009 2321
Styrene	50	45		1	90	54-136	11/16/2009 2321
1,1,2,2-Tetrachloroethane	50	42		1	84	69-132	11/16/2009 2321
Tetrachloroethene	50	47		1	93	70-130	11/16/2009 2321
Toluene	50	44		1	88	61-129	11/16/2009 2321
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	43		1	85	49-136	11/16/2009 2321
1,2,4-Trichlorobenzene	50	41		1	82	34-145	11/16/2009 2321
1,1,2-Trichloroethane	50	42		1	84	55-128	11/16/2009 2321
1,1,1-Trichloroethane	50	43		1	86	63-128	11/16/2009 2321

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ21886-002

Matrix: Solid

Batch: 21886

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	46		1	91	62-126	11/16/2009 2321
Trichlorofluoromethane	50	42		1	84	45-138	11/16/2009 2321
Vinyl chloride	50	41		1	81	42-132	11/16/2009 2321
Xylenes (total)	100	90		1	90	58-128	11/16/2009 2321
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		106	47-138				
1,2-Dichloroethane-d4		86	53-142				
Toluene-d8		104	68-124				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ21886-003

Matrix: Solid

Batch: 21886

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	110		1	115	3.8	42-149	20	11/16/2009 2344
Benzene	50	49		1	99	11	69-123	20	11/16/2009 2344
Bromodichloromethane	50	48		1	96	13	69-121	20	11/16/2009 2344
Bromoform	50	44		1	88	9.0	61-119	20	11/16/2009 2344
Bromomethane (Methyl bromide)	50	46		1	92	12	35-144	20	11/16/2009 2344
2-Butanone (MEK)	100	100		1	104	2.8	57-148	20	11/16/2009 2344
Carbon disulfide	50	56		1	112	14	58-122	20	11/16/2009 2344
Carbon tetrachloride	50	51		1	103	17	58-136	20	11/16/2009 2344
Chlorobenzene	50	47		1	95	7.8	59-129	20	11/16/2009 2344
Chloroethane	50	48		1	96	15	50-132	20	11/16/2009 2344
Chloroform	50	48		1	95	15	71-125	20	11/16/2009 2344
Chloromethane (Methyl chloride)	50	44		1	88	12	34-134	20	11/16/2009 2344
Cyclohexane	50	51		1	101	11	53-139	20	11/16/2009 2344
1,2-Dibromo-3-chloropropane (DBCP)	50	45		1	89	8.9	55-125	20	11/16/2009 2344
Dibromochloromethane	50	48		1	95	10	66-119	20	11/16/2009 2344
1,2-Dibromoethane (EDB)	50	45		1	90	8.0	74-124	20	11/16/2009 2344
1,2-Dichlorobenzene	50	46		1	93	12	57-131	20	11/16/2009 2344
1,4-Dichlorobenzene	50	46		1	93	9.1	52-133	20	11/16/2009 2344
1,3-Dichlorobenzene	50	47		1	95	9.5	51-134	20	11/16/2009 2344
Dichlorodifluoromethane	50	42		1	83	15	10-157	20	11/16/2009 2344
1,1-Dichloroethane	50	49		1	98	14	71-127	20	11/16/2009 2344
1,2-Dichloroethane	50	48		1	96	18	67-129	20	11/16/2009 2344
1,1-Dichloroethene	50	51		1	102	13	69-138	20	11/16/2009 2344
cis-1,2-Dichloroethene	50	49		1	98	14	70-122	20	11/16/2009 2344
trans-1,2-Dichloroethene	50	50		1	100	14	68-131	20	11/16/2009 2344
1,2-Dichloropropane	50	48		1	96	13	72-124	20	11/16/2009 2344
cis-1,3-Dichloropropene	50	48		1	97	12	70-126	20	11/16/2009 2344
trans-1,3-Dichloropropene	50	48		1	95	8.0	70-124	20	11/16/2009 2344
Ethylbenzene	50	50		1	100	8.3	59-128	20	11/16/2009 2344
2-Hexanone	100	97		1	97	4.0	54-137	20	11/16/2009 2344
Isopropylbenzene	50	51		1	102	8.4	50-136	20	11/16/2009 2344
Methyl acetate	50	51		1	101	7.9	59-137	20	11/16/2009 2344
Methyl tertiary butyl ether (MTBE)	50	48		1	96	17	72-122	20	11/16/2009 2344
4-Methyl-2-pentanone	100	96		1	96	12	60-134	20	11/16/2009 2344
Methylcyclohexane	50	52		1	104	11	41-144	20	11/16/2009 2344
Methylene chloride	50	47		1	94	16	77-129	20	11/16/2009 2344
Styrene	50	49		1	99	9.6	54-136	20	11/16/2009 2344
1,1,2,2-Tetrachloroethane	50	47		1	94	11	69-132	20	11/16/2009 2344
Tetrachloroethene	50	50		1	99	6.3	70-130	20	11/16/2009 2344
Toluene	50	49		1	99	11	61-129	20	11/16/2009 2344
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	49		1	99	15	49-136	20	11/16/2009 2344
1,2,4-Trichlorobenzene	50	46		1	92	11	34-145	20	11/16/2009 2344
1,1,2-Trichloroethane	50	46		1	92	8.3	55-128	20	11/16/2009 2344
1,1,1-Trichloroethane	50	51		1	102	17	63-128	20	11/16/2009 2344

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ21886-003

Matrix: Solid

Batch: 21886

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	50		1	100	8.9	62-126	20	11/16/2009 2344
Trichlorofluoromethane	50	50		1	99	16	45-138	20	11/16/2009 2344
Vinyl chloride	50	47		1	94	14	42-132	20	11/16/2009 2344
Xylenes (total)	100	98		1	98	7.6	58-128	20	11/16/2009 2344
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		103	47-138						
1,2-Dichloroethane-d4		92	53-142						
Toluene-d8		107	68-124						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Volatiles - MB

Sample ID: KQ21922-001

Matrix: Solid

Batch: 21922

Prep Method: 1311/5030B

Analytical Method: 8260B

Leachate Date: 11/10/2009 1555

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Benzene	ND		10	0.050	0.0020	mg/L	11/17/2009 1013
2-Butanone (MEK)	ND		10	0.10	0.018	mg/L	11/17/2009 1013
Carbon tetrachloride	ND		10	0.050	0.0040	mg/L	11/17/2009 1013
Chlorobenzene	ND		10	0.050	0.0020	mg/L	11/17/2009 1013
Chloroform	ND		10	0.050	0.0030	mg/L	11/17/2009 1013
1,2-Dichloroethane	ND		10	0.050	0.0030	mg/L	11/17/2009 1013
1,1-Dichloroethene	ND		10	0.050	0.0050	mg/L	11/17/2009 1013
Tetrachloroethene	ND		10	0.050	0.0040	mg/L	11/17/2009 1013
Trichloroethene	ND		10	0.050	0.0030	mg/L	11/17/2009 1013
Vinyl chloride	ND		10	0.010	0.0010	mg/L	11/17/2009 1013
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		98	70-130				
1,2-Dichloroethane-d4		96	70-130				
Toluene-d8		104	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Volatiles - LCS

Sample ID: KQ21922-002

Matrix: Solid

Batch: 21922

Prep Method: 1311/5030B

Analytical Method: 8260B

Leachate Date: 11/10/2009 1555

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Benzene	0.50	0.45		10	89	72-127	11/17/2009 0952
2-Butanone (MEK)	1.0	0.78		10	78	60-140	11/17/2009 0952
Carbon tetrachloride	0.50	0.41		10	83	37-166	11/17/2009 0952
Chlorobenzene	0.50	0.46		10	93	78-129	11/17/2009 0952
Chloroform	0.50	0.39		10	78	63-123	11/17/2009 0952
1,2-Dichloroethane	0.50	0.36		10	71	59-143	11/17/2009 0952
1,1-Dichloroethene	0.50	0.43		10	85	50-132	11/17/2009 0952
Tetrachloroethene	0.50	0.50		10	100	70-130	11/17/2009 0952
Trichloroethene	0.50	0.45		10	89	73-124	11/17/2009 0952
Vinyl chloride	0.50	0.34		10	68	29-159	11/17/2009 0952
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		87	70-130				
1,2-Dichloroethane-d4		81	70-130				
Toluene-d8		90	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Volatiles - MS

Sample ID: KK07010-015MS

Matrix: Solid

Batch: 21922

Prep Method: 1311/5030B

Analytical Method: 8260B

Leachate Date: 11/10/2009 1555

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Benzene	ND	0.50	0.48		10	97	70-127	11/17/2009 1138
2-Butanone (MEK)	ND	1.0	0.88		10	88	60-140	11/17/2009 1138
Carbon tetrachloride	ND	0.50	0.44		10	88	37-166	11/17/2009 1138
Chlorobenzene	ND	0.50	0.47		10	94	78-129	11/17/2009 1138
Chloroform	ND	0.50	0.45		10	90	63-123	11/17/2009 1138
1,2-Dichloroethane	ND	0.50	0.42		10	85	59-143	11/17/2009 1138
1,1-Dichloroethene	ND	0.50	0.46		10	92	50-132	11/17/2009 1138
Tetrachloroethene	ND	0.50	0.47		10	94	70-130	11/17/2009 1138
Trichloroethene	ND	0.50	0.46		10	92	73-124	11/17/2009 1138
Vinyl chloride	ND	0.50	0.37		10	73	29-159	11/17/2009 1138
Surrogate	Q	% Rec	Acceptance Limit					
Bromofluorobenzene		91	70-130					
1,2-Dichloroethane-d4		88	70-130					
Toluene-d8		97	70-130					

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ22080-001

Matrix: Solid

Batch: 22080

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	11/18/2009 1315
Benzene	ND		1	5.0	1.1	ug/kg	11/18/2009 1315
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	11/18/2009 1315
Bromoform	ND		1	5.0	0.70	ug/kg	11/18/2009 1315
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	11/18/2009 1315
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	11/18/2009 1315
Carbon disulfide	ND		1	5.0	1.3	ug/kg	11/18/2009 1315
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	11/18/2009 1315
Chlorobenzene	ND		1	5.0	1.7	ug/kg	11/18/2009 1315
Chloroethane	ND		1	5.0	1.3	ug/kg	11/18/2009 1315
Chloroform	ND		1	5.0	0.83	ug/kg	11/18/2009 1315
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	11/18/2009 1315
Cyclohexane	ND		1	5.0	0.67	ug/kg	11/18/2009 1315
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	11/18/2009 1315
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	11/18/2009 1315
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	11/18/2009 1315
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	11/18/2009 1315
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	11/18/2009 1315
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	11/18/2009 1315
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	11/18/2009 1315
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	11/18/2009 1315
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	11/18/2009 1315
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	11/18/2009 1315
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	11/18/2009 1315
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	11/18/2009 1315
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	11/18/2009 1315
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	11/18/2009 1315
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	11/18/2009 1315
Ethylbenzene	ND		1	5.0	1.7	ug/kg	11/18/2009 1315
2-Hexanone	ND		1	10	1.3	ug/kg	11/18/2009 1315
Isopropylbenzene	ND		1	5.0	0.80	ug/kg	11/18/2009 1315
Methyl acetate	ND		1	5.0	0.67	ug/kg	11/18/2009 1315
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	11/18/2009 1315
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	11/18/2009 1315
Methylcyclohexane	ND		1	5.0	0.61	ug/kg	11/18/2009 1315
Methylene chloride	ND		1	5.0	2.6	ug/kg	11/18/2009 1315
Styrene	ND		1	5.0	1.1	ug/kg	11/18/2009 1315
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	11/18/2009 1315
Tetrachloroethene	ND		1	5.0	2.3	ug/kg	11/18/2009 1315
Toluene	ND		1	5.0	1.7	ug/kg	11/18/2009 1315
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	2.1	ug/kg	11/18/2009 1315
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	11/18/2009 1315
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	11/18/2009 1315
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	11/18/2009 1315

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ22080-001

Matrix: Solid

Batch: 22080

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	11/18/2009 1315
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	11/18/2009 1315
Vinyl chloride	ND		1	5.0	0.86	ug/kg	11/18/2009 1315
Xylenes (total)	ND		1	5.0	2.9	ug/kg	11/18/2009 1315
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		95	47-138				
1,2-Dichloroethane-d4		86	53-142				
Toluene-d8		100	68-124				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ22080-002

Matrix: Solid

Batch: 22080

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	65		1	65	42-149	11/18/2009 1025
Benzene	50	43		1	86	69-123	11/18/2009 1025
Bromodichloromethane	50	42		1	85	69-121	11/18/2009 1025
Bromoform	50	34		1	68	61-119	11/18/2009 1025
Bromomethane (Methyl bromide)	50	46		1	91	35-144	11/18/2009 1025
2-Butanone (MEK)	100	70		1	70	57-148	11/18/2009 1025
Carbon disulfide	50	49		1	98	58-122	11/18/2009 1025
Carbon tetrachloride	50	45		1	90	58-136	11/18/2009 1025
Chlorobenzene	50	39		1	79	59-129	11/18/2009 1025
Chloroethane	50	47		1	94	50-132	11/18/2009 1025
Chloroform	50	42		1	84	71-125	11/18/2009 1025
Chloromethane (Methyl chloride)	50	52		1	104	34-134	11/18/2009 1025
Cyclohexane	50	45		1	89	53-139	11/18/2009 1025
1,2-Dibromo-3-chloropropane (DBCP)	50	31		1	63	55-125	11/18/2009 1025
Dibromochloromethane	50	36		1	73	66-119	11/18/2009 1025
1,2-Dibromoethane (EDB)	50	35	N	1	70	74-124	11/18/2009 1025
1,4-Dichlorobenzene	50	37		1	74	52-133	11/18/2009 1025
1,3-Dichlorobenzene	50	37		1	75	51-134	11/18/2009 1025
1,2-Dichlorobenzene	50	36		1	73	57-131	11/18/2009 1025
Dichlorodifluoromethane	50	60		1	120	10-157	11/18/2009 1025
1,2-Dichloroethane	50	43		1	86	67-129	11/18/2009 1025
1,1-Dichloroethane	50	44		1	88	71-127	11/18/2009 1025
trans-1,2-Dichloroethene	50	44		1	88	68-131	11/18/2009 1025
cis-1,2-Dichloroethene	50	43		1	87	70-122	11/18/2009 1025
1,1-Dichloroethene	50	44		1	87	69-138	11/18/2009 1025
1,2-Dichloropropane	50	42		1	85	72-124	11/18/2009 1025
trans-1,3-Dichloropropene	50	41		1	82	70-124	11/18/2009 1025
cis-1,3-Dichloropropene	50	43		1	86	70-126	11/18/2009 1025
Ethylbenzene	50	42		1	83	59-128	11/18/2009 1025
2-Hexanone	100	66		1	66	54-137	11/18/2009 1025
Isopropylbenzene	50	40		1	80	50-136	11/18/2009 1025
Methyl acetate	50	38		1	77	59-137	11/18/2009 1025
Methyl tertiary butyl ether (MTBE)	50	42		1	84	72-122	11/18/2009 1025
4-Methyl-2-pentanone	100	71		1	71	60-134	11/18/2009 1025
Methylcyclohexane	50	43		1	87	41-144	11/18/2009 1025
Methylene chloride	50	42		1	84	77-129	11/18/2009 1025
Styrene	50	42		1	85	54-136	11/18/2009 1025
1,1,2,2-Tetrachloroethane	50	32	N	1	64	69-132	11/18/2009 1025
Tetrachloroethene	50	40		1	80	70-130	11/18/2009 1025
Toluene	50	44		1	88	61-129	11/18/2009 1025
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	42		1	85	49-136	11/18/2009 1025
1,2,4-Trichlorobenzene	50	36		1	72	34-145	11/18/2009 1025
1,1,2-Trichloroethane	50	37		1	74	55-128	11/18/2009 1025
1,1,1-Trichloroethane	50	44		1	89	63-128	11/18/2009 1025

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ22080-002

Matrix: Solid

Batch: 22080

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	42		1	84	62-126	11/18/2009 1025
Trichlorofluoromethane	50	48		1	95	45-138	11/18/2009 1025
Vinyl chloride	50	51		1	103	42-132	11/18/2009 1025
Xylenes (total)	100	83		1	83	58-128	11/18/2009 1025
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		80	47-138				
1,2-Dichloroethane-d4		71	53-142				
Toluene-d8		82	68-124				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ22080-003

Matrix: Solid

Batch: 22080

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	80	+	1	80	21	42-149	20	11/18/2009 1208
Benzene	50	45		1	90	5.0	69-123	20	11/18/2009 1208
Bromodichloromethane	50	46		1	91	7.4	69-121	20	11/18/2009 1208
Bromoform	50	38		1	77	12	61-119	20	11/18/2009 1208
Bromomethane (Methyl bromide)	50	49		1	98	6.7	35-144	20	11/18/2009 1208
2-Butanone (MEK)	100	82		1	82	16	57-148	20	11/18/2009 1208
Carbon disulfide	50	51		1	102	4.4	58-122	20	11/18/2009 1208
Carbon tetrachloride	50	46		1	93	2.9	58-136	20	11/18/2009 1208
Chlorobenzene	50	41		1	82	4.5	59-129	20	11/18/2009 1208
Chloroethane	50	49		1	99	5.5	50-132	20	11/18/2009 1208
Chloroform	50	45		1	90	6.7	71-125	20	11/18/2009 1208
Chloromethane (Methyl chloride)	50	58		1	116	11	34-134	20	11/18/2009 1208
Cyclohexane	50	46		1	91	2.3	53-139	20	11/18/2009 1208
1,2-Dibromo-3-chloropropane (DBCP)	50	37		1	75	17	55-125	20	11/18/2009 1208
Dibromochloromethane	50	40		1	80	9.8	66-119	20	11/18/2009 1208
1,2-Dibromoethane (EDB)	50	39		1	79	12	74-124	20	11/18/2009 1208
1,4-Dichlorobenzene	50	37		1	74	0.90	52-133	20	11/18/2009 1208
1,3-Dichlorobenzene	50	38		1	76	1.9	51-134	20	11/18/2009 1208
1,2-Dichlorobenzene	50	38		1	75	3.6	57-131	20	11/18/2009 1208
Dichlorodifluoromethane	50	62		1	124	3.3	10-157	20	11/18/2009 1208
1,2-Dichloroethane	50	47		1	93	8.0	67-129	20	11/18/2009 1208
1,1-Dichloroethane	50	47		1	93	6.0	71-127	20	11/18/2009 1208
trans-1,2-Dichloroethene	50	46		1	92	5.0	68-131	20	11/18/2009 1208
cis-1,2-Dichloroethene	50	46		1	92	5.9	70-122	20	11/18/2009 1208
1,1-Dichloroethene	50	46		1	92	5.5	69-138	20	11/18/2009 1208
1,2-Dichloropropane	50	45		1	91	6.8	72-124	20	11/18/2009 1208
trans-1,3-Dichloropropene	50	44		1	88	7.3	70-124	20	11/18/2009 1208
cis-1,3-Dichloropropene	50	46		1	92	6.3	70-126	20	11/18/2009 1208
Ethylbenzene	50	42		1	85	2.3	59-128	20	11/18/2009 1208
2-Hexanone	100	80		1	80	20	54-137	20	11/18/2009 1208
Isopropylbenzene	50	41		1	82	2.0	50-136	20	11/18/2009 1208
Methyl acetate	50	49	+	1	98	25	59-137	20	11/18/2009 1208
Methyl tertiary butyl ether (MTBE)	50	47		1	94	10	72-122	20	11/18/2009 1208
4-Methyl-2-pentanone	100	85		1	85	18	60-134	20	11/18/2009 1208
Methylcyclohexane	50	44		1	88	1.2	41-144	20	11/18/2009 1208
Methylene chloride	50	45		1	89	5.7	77-129	20	11/18/2009 1208
Styrene	50	44		1	89	4.7	54-136	20	11/18/2009 1208
1,1,2,2-Tetrachloroethane	50	38		1	75	15	69-132	20	11/18/2009 1208
Tetrachloroethene	50	41		1	82	3.5	70-130	20	11/18/2009 1208
Toluene	50	45		1	91	2.7	61-129	20	11/18/2009 1208
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	43		1	86	2.0	49-136	20	11/18/2009 1208
1,2,4-Trichlorobenzene	50	35		1	71	1.2	34-145	20	11/18/2009 1208
1,1,2-Trichloroethane	50	41		1	81	10	55-128	20	11/18/2009 1208
1,1,1-Trichloroethane	50	46		1	93	4.3	63-128	20	11/18/2009 1208

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ22080-003

Matrix: Solid

Batch: 22080

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	44		1	88	4.7	62-126	20	11/18/2009 1208
Trichlorofluoromethane	50	50		1	99	4.4	45-138	20	11/18/2009 1208
Vinyl chloride	50	53		1	106	3.3	42-132	20	11/18/2009 1208
Xylenes (total)	100	86		1	86	3.7	58-128	20	11/18/2009 1208
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		78	47-138						
1,2-Dichloroethane-d4		71	53-142						
Toluene-d8		79	68-124						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: KQ21368-001

Batch: 21368

Analytical Method: 8270D

Matrix: Solid

Prep Method: 3550C

Prep Date: 11/11/2009 1404

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
1,1'-Biphenyl	ND		1	67	10	ug/kg	11/12/2009 1952
2,4,5-Trichlorophenol	ND		1	67	9.3	ug/kg	11/12/2009 1952
2,4,6-Trichlorophenol	ND		1	67	9.8	ug/kg	11/12/2009 1952
2,4-Dichlorophenol	ND		1	67	10	ug/kg	11/12/2009 1952
2,4-Dimethylphenol	ND		1	67	12	ug/kg	11/12/2009 1952
2,4-Dinitrophenol	ND		1	330	110	ug/kg	11/12/2009 1952
2,4-Dinitrotoluene	ND		1	130	18	ug/kg	11/12/2009 1952
2,6-Dinitrotoluene	ND		1	130	17	ug/kg	11/12/2009 1952
2-Chloronaphthalene	ND		1	67	11	ug/kg	11/12/2009 1952
2-Chlorophenol	ND		1	67	9.2	ug/kg	11/12/2009 1952
2-Methylnaphthalene	ND		1	67	9.9	ug/kg	11/12/2009 1952
2-Methylphenol	ND		1	67	6.0	ug/kg	11/12/2009 1952
2-Nitroaniline	ND		1	130	23	ug/kg	11/12/2009 1952
2-Nitrophenol	ND		1	130	18	ug/kg	11/12/2009 1952
3 & 4-Methylphenol	ND		1	130	12	ug/kg	11/12/2009 1952
3,3'-Dichlorobenzidine	ND		1	330	36	ug/kg	11/12/2009 1952
3-Nitroaniline	ND		1	130	39	ug/kg	11/12/2009 1952
4,6-Dinitro-2-methylphenol	ND		1	330	130	ug/kg	11/12/2009 1952
4-Bromophenyl phenyl ether	ND		1	67	9.8	ug/kg	11/12/2009 1952
4-Chloro-3-methyl phenol	ND		1	67	8.4	ug/kg	11/12/2009 1952
4-Chloroaniline	ND		1	67	6.8	ug/kg	11/12/2009 1952
4-Chlorophenyl phenyl ether	ND		1	67	11	ug/kg	11/12/2009 1952
4-Nitroaniline	ND		1	130	19	ug/kg	11/12/2009 1952
4-Nitrophenol	ND		1	330	96	ug/kg	11/12/2009 1952
Acenaphthene	ND		1	67	11	ug/kg	11/12/2009 1952
Acenaphthylene	ND		1	67	10	ug/kg	11/12/2009 1952
Acetophenone	ND		1	67	18	ug/kg	11/12/2009 1952
Anthracene	ND		1	67	7.4	ug/kg	11/12/2009 1952
Atrazine	ND		1	67	17	ug/kg	11/12/2009 1952
Benzaldehyde	ND		1	67	17	ug/kg	11/12/2009 1952
Benzo(a)anthracene	ND		1	67	8.8	ug/kg	11/12/2009 1952
Benzo(a)pyrene	ND		1	67	9.3	ug/kg	11/12/2009 1952
Benzo(b)fluoranthene	ND		1	67	9.6	ug/kg	11/12/2009 1952
Benzo(g,h,i)perylene	ND		1	67	12	ug/kg	11/12/2009 1952
Benzo(k)fluoranthene	ND		1	67	9.5	ug/kg	11/12/2009 1952
bis(2-Chloroethoxy)methane	ND		1	67	10	ug/kg	11/12/2009 1952
bis(2-Chloroethyl)ether	ND		1	67	9.2	ug/kg	11/12/2009 1952
bis(2-Chloroisopropyl)ether	ND		1	67	11	ug/kg	11/12/2009 1952
bis(2-Ethylhexyl)phthalate	ND		1	67	22	ug/kg	11/12/2009 1952
Butyl benzyl phthalate	ND		1	130	44	ug/kg	11/12/2009 1952
Caprolactam	ND		1	67	17	ug/kg	11/12/2009 1952
Carbazole	ND		1	67	14	ug/kg	11/12/2009 1952
Chrysene	ND		1	67	11	ug/kg	11/12/2009 1952
Di-n-butyl phthalate	ND		1	67	22	ug/kg	11/12/2009 1952

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: KQ21368-001

Matrix: Solid

Batch: 21368

Prep Method: 3550C

Analytical Method: 8270D

Prep Date: 11/11/2009 1404

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Di-n-octylphthalate	ND		1	67	32	ug/kg	11/12/2009 1952
Dibenzo(a,h)anthracene	ND		1	67	9.1	ug/kg	11/12/2009 1952
Dibenzofuran	ND		1	67	10	ug/kg	11/12/2009 1952
Diethylphthalate	ND		1	67	22	ug/kg	11/12/2009 1952
Dimethyl phthalate	ND		1	67	22	ug/kg	11/12/2009 1952
Fluoranthene	ND		1	67	11	ug/kg	11/12/2009 1952
Fluorene	ND		1	67	9.0	ug/kg	11/12/2009 1952
Hexachlorobenzene	ND		1	67	15	ug/kg	11/12/2009 1952
Hexachlorobutadiene	ND		1	67	11	ug/kg	11/12/2009 1952
Hexachlorocyclopentadiene	ND		1	330	25	ug/kg	11/12/2009 1952
Hexachloroethane	ND		1	67	8.9	ug/kg	11/12/2009 1952
Indeno(1,2,3-c,d)pyrene	ND		1	67	9.7	ug/kg	11/12/2009 1952
Isophorone	ND		1	67	7.4	ug/kg	11/12/2009 1952
N-Nitrosodi-n-propylamine	ND		1	67	13	ug/kg	11/12/2009 1952
N-Nitrosodiphenylamine (Diphenylamine)	ND		1	67	8.3	ug/kg	11/12/2009 1952
Naphthalene	ND		1	67	10	ug/kg	11/12/2009 1952
Nitrobenzene	ND		1	67	5.4	ug/kg	11/12/2009 1952
Pentachlorophenol	ND		1	330	140	ug/kg	11/12/2009 1952
Phenanthrene	ND		1	67	9.0	ug/kg	11/12/2009 1952
Phenol	ND		1	67	9.1	ug/kg	11/12/2009 1952
Pyrene	ND		1	67	13	ug/kg	11/12/2009 1952

Surrogate	Q	% Rec	Acceptance Limit
2,4,6-Tribromophenol		53	30-117
2-Fluorobiphenyl		53	33-102
2-Fluorophenol		53	28-104
Nitrobenzene-d5		52	22-109
Phenol-d5		56	27-103
Terphenyl-d14		72	41-120

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: KQ21368-002

Batch: 21368

Analytical Method: 8270D

Matrix: Solid

Prep Method: 3550C

Prep Date: 11/11/2009 1404

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
2,4,5-Trichlorophenol	1300	990		1	74	30-130	11/12/2009 2011
2,4,6-Trichlorophenol	1300	900		1	67	30-130	11/12/2009 2011
2,4-Dichlorophenol	1300	880		1	66	30-130	11/12/2009 2011
2,4-Dimethylphenol	1300	880		1	66	30-130	11/12/2009 2011
2,4-Dinitrophenol	6700	4900		1	74	30-130	11/12/2009 2011
2,4-Dinitrotoluene	2700	2200		1	83	30-130	11/12/2009 2011
2,6-Dinitrotoluene	2700	2100		1	79	30-130	11/12/2009 2011
2-Chloronaphthalene	1300	870		1	66	30-130	11/12/2009 2011
2-Chlorophenol	1300	770		1	58	30-130	11/12/2009 2011
2-Methylnaphthalene	1300	820		1	61	30-130	11/12/2009 2011
2-Methylphenol	1300	1200		1	87	30-130	11/12/2009 2011
2-Nitroaniline	2700	2000		1	76	30-130	11/12/2009 2011
2-Nitrophenol	2700	1600		1	61	30-130	11/12/2009 2011
3 & 4-Methylphenol	2700	1700		1	64	30-130	11/12/2009 2011
3-Nitroaniline	2700	1900		1	70	30-130	11/12/2009 2011
4,6-Dinitro-2-methylphenol	6700	5700		1	85	30-130	11/12/2009 2011
4-Bromophenyl phenyl ether	1300	1100		1	79	30-130	11/12/2009 2011
4-Chloro-3-methyl phenol	1300	990		1	74	30-130	11/12/2009 2011
4-Chloroaniline	1300	450		1	34	10-130	11/12/2009 2011
4-Chlorophenyl phenyl ether	1300	1000		1	76	30-130	11/12/2009 2011
4-Nitroaniline	2700	2200		1	84	30-130	11/12/2009 2011
4-Nitrophenol	6700	4700		1	71	30-130	11/12/2009 2011
Acenaphthene	1300	960		1	72	30-130	11/12/2009 2011
Acenaphthylene	1300	870		1	65	30-130	11/12/2009 2011
Anthracene	1300	1100		1	81	30-130	11/12/2009 2011
Benzo(a)anthracene	1300	1100		1	81	30-130	11/12/2009 2011
Benzo(a)pyrene	1300	1400		1	105	30-130	11/12/2009 2011
Benzo(b)fluoranthene	1300	1200		1	90	30-130	11/12/2009 2011
Benzo(g,h,i)perylene	1300	1100		1	80	30-130	11/12/2009 2011
Benzo(k)fluoranthene	1300	1300		1	96	30-130	11/12/2009 2011
bis(2-Chloroethoxy)methane	1300	820		1	61	30-130	11/12/2009 2011
bis(2-Chloroethyl)ether	1300	710		1	53	30-130	11/12/2009 2011
bis(2-Chloroisopropyl)ether	1300	720		1	54	30-130	11/12/2009 2011
bis(2-Ethylhexyl)phthalate	1300	1200		1	93	30-130	11/12/2009 2011
Butyl benzyl phthalate	1300	1200		1	93	30-130	11/12/2009 2011
Carbazole	1300	1200		1	88	30-130	11/12/2009 2011
Chrysene	1300	1200		1	89	30-130	11/12/2009 2011
Di-n-butyl phthalate	1300	1200		1	88	30-130	11/12/2009 2011
Di-n-octylphthalate	1300	1500		1	109	30-130	11/12/2009 2011
Dibenzo(a,h)anthracene	1300	1100		1	82	30-130	11/12/2009 2011
Dibenzofuran	1300	960		1	72	30-130	11/12/2009 2011
Diethylphthalate	1300	1100		1	84	30-130	11/12/2009 2011
Dimethyl phthalate	1300	1000		1	77	30-130	11/12/2009 2011
Fluoranthene	1300	1100		1	84	30-130	11/12/2009 2011

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: KQ21368-002

Matrix: Solid

Batch: 21368

Prep Method: 3550C

Analytical Method: 8270D

Prep Date: 11/11/2009 1404

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Fluorene	1300	1000		1	77	30-130	11/12/2009 2011
Hexachlorobenzene	1300	1100		1	80	30-130	11/12/2009 2011
Hexachlorobutadiene	1300	750		1	56	30-130	11/12/2009 2011
Hexachlorocyclopentadiene	6700	3800		1	57	30-130	11/12/2009 2011
Hexachloroethane	1300	710		1	53	30-130	11/12/2009 2011
Indeno(1,2,3-c,d)pyrene	1300	1100		1	83	30-130	11/12/2009 2011
N-Nitrosodiphenylamine (Diphenylamine)	1300	1100		1	83	30-130	11/12/2009 2011
Naphthalene	1300	760		1	57	30-130	11/12/2009 2011
Nitrobenzene	1300	830		1	62	30-130	11/12/2009 2011
Pentachlorophenol	6700	5200		1	78	30-130	11/12/2009 2011
Phenanthrene	1300	1100		1	81	30-130	11/12/2009 2011
Phenol	1300	810		1	61	30-130	11/12/2009 2011
Pyrene	1300	1200		1	87	30-130	11/12/2009 2011
Surrogate	Q	% Rec	Acceptance Limit				
2,4,6-Tribromophenol		87	30-117				
2-Fluorobiphenyl		67	33-102				
2-Fluorophenol		60	28-104				
Nitrobenzene-d5		63	22-109				
Phenol-d5		65	27-103				
Terphenyl-d14		81	41-120				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MS

Sample ID: KK07010-003MS

Matrix: Solid

Batch: 21368

Prep Method: 3550C

Analytical Method: 8270D

Prep Date: 11/11/2009 1404

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acenaphthene	ND	1600	930		1	57	30-130	11/25/2009 1511
Acenaphthylene	ND	1600	890		1	55	30-130	11/25/2009 1511
Anthracene	ND	1600	1100		1	69	30-130	11/25/2009 1511
Benzo(a)anthracene	ND	1600	1200		1	71	30-130	11/25/2009 1511
Benzo(a)pyrene	ND	1600	1500		1	91	30-130	11/25/2009 1511
Benzo(b)fluoranthene	ND	1600	1100		1	70	30-130	11/25/2009 1511
Benzo(g,h,i)perylene	ND	1600	1300		1	77	30-130	11/25/2009 1511
Benzo(k)fluoranthene	ND	1600	1300		1	77	30-130	11/25/2009 1511
4-Bromophenyl phenyl ether	ND	1600	1100		1	68	30-130	11/25/2009 1511
Butyl benzyl phthalate	ND	1600	1300		1	80	30-130	11/25/2009 1511
Carbazole	ND	1600	1200		1	76	30-130	11/25/2009 1511
4-Chloro-3-methyl phenol	ND	1600	1000		1	62	30-130	11/25/2009 1511
4-Chloroaniline	ND	1600	410		1	25	10-130	11/25/2009 1511
bis(2-Chloroethoxy)methane	ND	1600	800		1	49	30-130	11/25/2009 1511
bis(2-Chloroethyl)ether	ND	1600	690		1	42	30-130	11/25/2009 1511
bis(2-Chloroisopropyl)ether	ND	1600	690		1	42	30-130	11/25/2009 1511
2-Chloronaphthalene	ND	1600	830		1	51	30-130	11/25/2009 1511
2-Chlorophenol	ND	1600	770		1	47	30-130	11/25/2009 1511
4-Chlorophenyl phenyl ether	ND	1600	1000		1	63	30-130	11/25/2009 1511
Chrysene	ND	1600	1200		1	75	30-130	11/25/2009 1511
Dibenzo(a,h)anthracene	ND	1600	1200		1	75	30-130	11/25/2009 1511
Dibenzofuran	ND	1600	950		1	58	30-130	11/25/2009 1511
2,4-Dichlorophenol	ND	1600	870		1	53	30-130	11/25/2009 1511
Diethylphthalate	ND	1600	1200		1	71	30-130	11/25/2009 1511
Dimethyl phthalate	ND	1600	1100		1	67	30-130	11/25/2009 1511
2,4-Dimethylphenol	ND	1600	830		1	51	30-130	11/25/2009 1511
Di-n-butyl phthalate	ND	1600	1300		1	82	30-130	11/25/2009 1511
4,6-Dinitro-2-methylphenol	ND	8200	5900		1	72	30-130	11/25/2009 1511
2,4-Dinitrophenol	ND	8200	4100		1	51	30-130	11/25/2009 1511
2,4-Dinitrotoluene	ND	3300	2400		1	72	30-130	11/25/2009 1511
2,6-Dinitrotoluene	ND	3300	2200		1	68	30-130	11/25/2009 1511
Di-n-octylphthalate	ND	1600	1200		1	75	30-130	11/25/2009 1511
bis(2-Ethylhexyl)phthalate	ND	1600	1300		1	82	30-130	11/25/2009 1511
Fluoranthene	ND	1600	1200		1	74	30-130	11/25/2009 1511
Fluorene	ND	1600	1000		1	63	30-130	11/25/2009 1511
Hexachlorobenzene	ND	1600	1100		1	67	30-130	11/25/2009 1511
Hexachlorobutadiene	ND	1600	700		1	43	30-130	11/25/2009 1511
Hexachlorocyclopentadiene	ND	8200	3300		1	40	30-130	11/25/2009 1511
Hexachloroethane	ND	1600	660		1	40	30-130	11/25/2009 1511
Indeno(1,2,3-c,d)pyrene	ND	1600	1300		1	77	30-130	11/25/2009 1511
2-Methylnaphthalene	ND	1600	770		1	47	30-130	11/25/2009 1511
2-Methylphenol	ND	1600	1100		1	67	30-130	11/25/2009 1511
3 & 4-Methylphenol	ND	3300	1600		1	48	30-130	11/25/2009 1511
Naphthalene	ND	1600	730		1	44	30-130	11/25/2009 1511

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MS

Sample ID: KK07010-003MS

Matrix: Solid

Batch: 21368

Prep Method: 3550C

Analytical Method: 8270D

Prep Date: 11/11/2009 1404

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
2-Nitroaniline	ND	3300	2200		1	66	30-130	11/25/2009 1511
3-Nitroaniline	ND	3300	2100		1	63	30-130	11/25/2009 1511
4-Nitroaniline	ND	3300	2300		1	71	30-130	11/25/2009 1511
Nitrobenzene	ND	1600	760		1	47	30-130	11/25/2009 1511
2-Nitrophenol	ND	3300	1500		1	46	30-130	11/25/2009 1511
4-Nitrophenol	ND	8200	5400		1	66	30-130	11/25/2009 1511
N-Nitrosodiphenylamine (Diphenylamine)	ND	1600	1200		1	73	30-130	11/25/2009 1511
Pentachlorophenol	ND	8200	5500		1	67	30-130	11/25/2009 1511
Phenanthrene	ND	1600	1100		1	68	30-130	11/25/2009 1511
Phenol	ND	1600	810		1	49	30-130	11/25/2009 1511
Pyrene	ND	1600	1200		1	72	30-130	11/25/2009 1511
2,4,5-Trichlorophenol	ND	1600	1100		1	65	30-130	11/25/2009 1511
2,4,6-Trichlorophenol	ND	1600	950		1	58	30-130	11/25/2009 1511
Surrogate	Q	% Rec	Acceptance Limit					
2-Fluorobiphenyl		52	33-102					
2-Fluorophenol		49	28-104					
Nitrobenzene-d5		49	22-109					
Phenol-d5		54	27-103					
Terphenyl-d14		66	41-120					
2,4,6-Tribromophenol		77	30-117					

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MSD

Sample ID: KK07010-003MD

Batch: 21368

Analytical Method: 8270D

Matrix: Solid

Prep Method: 3550C

Prep Date: 11/11/2009 1404

	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acenaphthene	ND	1600	1100		1	67	17	30-130	20	11/25/2009 1531
Acenaphthylene	ND	1600	1000		1	63	14	30-130	20	11/25/2009 1531
Anthracene	ND	1600	1300		1	82	19	30-130	20	11/25/2009 1531
Benzo(a)anthracene	ND	1600	1400		1	85	17	30-130	20	11/25/2009 1531
Benzo(a)pyrene	ND	1600	1800		1	107	16	30-130	20	11/25/2009 1531
Benzo(b)fluoranthene	ND	1600	1300		1	81	14	30-130	20	11/25/2009 1531
Benzo(g,h,i)perylene	ND	1600	1400		1	87	11	30-130	20	11/25/2009 1531
Benzo(k)fluoranthene	ND	1600	1500		1	94	19	30-130	20	11/25/2009 1531
4-Bromophenyl phenyl ether	ND	1600	1300		1	81	18	30-130	20	11/25/2009 1531
Butyl benzyl phthalate	ND	1600	1600		1	95	17	30-130	20	11/25/2009 1531
Carbazole	ND	1600	1400		1	88	14	30-130	20	11/25/2009 1531
4-Chloro-3-methyl phenol	ND	1600	1200		1	72	15	30-130	20	11/25/2009 1531
4-Chloroaniline	ND	1600	510		1	31	22	10-130	40	11/25/2009 1531
bis(2-Chloroethoxy)methane	ND	1600	910		1	55	13	30-130	20	11/25/2009 1531
bis(2-Chloroethyl)ether	ND	1600	790		1	48	13	30-130	20	11/25/2009 1531
bis(2-Chloroisopropyl)ether	ND	1600	770		1	47	11	30-130	20	11/25/2009 1531
2-Chloronaphthalene	ND	1600	970		1	59	15	30-130	20	11/25/2009 1531
2-Chlorophenol	ND	1600	870		1	53	12	30-130	20	11/25/2009 1531
4-Chlorophenyl phenyl ether	ND	1600	1200		1	74	16	30-130	20	11/25/2009 1531
Chrysene	ND	1600	1400		1	86	14	30-130	20	11/25/2009 1531
Dibenzo(a,h)anthracene	ND	1600	1400		1	87	15	30-130	20	11/25/2009 1531
Dibenzofuran	ND	1600	1100		1	69	17	30-130	20	11/25/2009 1531
2,4-Dichlorophenol	ND	1600	1000		1	62	15	30-130	20	11/25/2009 1531
Diethylphthalate	ND	1600	1300		1	80	12	30-130	20	11/25/2009 1531
Dimethyl phthalate	ND	1600	1300		1	77	13	30-130	20	11/25/2009 1531
2,4-Dimethylphenol	ND	1600	950		1	58	14	30-130	20	11/25/2009 1531
Di-n-butyl phthalate	ND	1600	1500		1	94	13	30-130	20	11/25/2009 1531
4,6-Dinitro-2-methylphenol	ND	8200	6400		1	78	8.7	30-130	20	11/25/2009 1531
2,4-Dinitrophenol	ND	8200	4000		1	49	3.3	30-130	20	11/25/2009 1531
2,4-Dinitrotoluene	ND	3300	2600		1	79	9.0	30-130	20	11/25/2009 1531
2,6-Dinitrotoluene	ND	3300	2600		1	78	14	30-130	20	11/25/2009 1531
Di-n-octylphthalate	ND	1600	1400		1	87	14	30-130	20	11/25/2009 1531
bis(2-Ethylhexyl)phthalate	ND	1600	1600		1	96	16	30-130	20	11/25/2009 1531
Fluoranthene	ND	1600	1400		1	86	15	30-130	20	11/25/2009 1531
Fluorene	ND	1600	1200		1	74	16	30-130	20	11/25/2009 1531
Hexachlorobenzene	ND	1600	1300		1	80	18	30-130	20	11/25/2009 1531
Hexachlorobutadiene	ND	1600	800		1	49	13	30-130	20	11/25/2009 1531
Hexachlorocyclopentadiene	ND	8200	4000		1	48	18	30-130	20	11/25/2009 1531
Hexachloroethane	ND	1600	750		1	46	13	30-130	20	11/25/2009 1531
Indeno(1,2,3-c,d)pyrene	ND	1600	1500		1	89	14	30-130	20	11/25/2009 1531
2-Methylnaphthalene	ND	1600	860		1	53	11	30-130	20	11/25/2009 1531
2-Methylphenol	ND	1600	1100		1	69	3.3	30-130	20	11/25/2009 1531
3 & 4-Methylphenol	ND	3300	1800		1	55	14	30-130	20	11/25/2009 1531
Naphthalene	ND	1600	810		1	49	11	30-130	20	11/25/2009 1531

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MSD

Sample ID: KK07010-003MD

Matrix: Solid

Batch: 21368

Prep Method: 3550C

Analytical Method: 8270D

Prep Date: 11/11/2009 1404

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
2-Nitroaniline	ND	3300	2500		1	77	16	30-130	20	11/25/2009 1531
3-Nitroaniline	ND	3300	2300		1	72	13	30-130	20	11/25/2009 1531
4-Nitroaniline	ND	3300	2600		1	78	9.8	30-130	20	11/25/2009 1531
Nitrobenzene	ND	1600	850		1	52	11	30-130	20	11/25/2009 1531
2-Nitrophenol	ND	3300	1700		1	52	13	30-130	20	11/25/2009 1531
4-Nitrophenol	ND	8200	6100		1	74	12	30-130	20	11/25/2009 1531
N-Nitrosodiphenylamine (Diphenylamine)	ND	1600	1400		1	85	16	30-130	20	11/25/2009 1531
Pentachlorophenol	ND	8200	6500		1	79	16	30-130	20	11/25/2009 1531
Phenanthrene	ND	1600	1300		1	81	17	30-130	20	11/25/2009 1531
Phenol	ND	1600	960		1	59	17	30-130	20	11/25/2009 1531
Pyrene	ND	1600	1400		1	86	18	30-130	20	11/25/2009 1531
2,4,5-Trichlorophenol	ND	1600	1300		1	80	20	30-130	20	11/25/2009 1531
2,4,6-Trichlorophenol	ND	1600	1100		1	70	19	30-130	20	11/25/2009 1531
Surrogate	Q	% Rec	Acceptance Limit							
2-Fluorobiphenyl		56	33-102							
2-Fluorophenol		58	28-104							
Nitrobenzene-d5		50	22-109							
Phenol-d5		59	27-103							
Terphenyl-d14		72	41-120							
2,4,6-Tribromophenol		85	30-117							

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Pesticides - MB

Sample ID: KQ21616-001

Matrix: Solid

Batch: 21616

Prep Method: 1311/3520C

Analytical Method: 8081B

Prep Date: 11/13/2009 6

Leachate Date: 11/10/2009 1555

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Chlordane	0.00	J	1	0.0025	0.00	mg/L	11/17/2009 2229
Endrin	0.00	J	1	0.00050	0.00	mg/L	11/17/2009 2229
gamma-BHC (Lindane)	0.00	J	1	0.00050	0.00	mg/L	11/17/2009 2229
Heptachlor	0.00	J	1	0.00050	0.00	mg/L	11/17/2009 2229
Heptachlor epoxide	0.00	J	1	0.00050	0.00	mg/L	11/17/2009 2229
Methoxychlor	0.00	J	1	0.0020	0.00	mg/L	11/17/2009 2229
Toxaphene	0.00	J	1	0.0050	0.00	mg/L	11/17/2009 2229
Surrogate	Q	% Rec	Acceptance Limit				
Decachlorobiphenyl		90	49-124				
Tetrachloro-m-xylene		90	58-122				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Pesticides - LCS

Sample ID: KQ21616-002		Matrix: Solid	
Batch: 21616		Prep Method: 1311/3520C	
Analytical Method: 8081B		Prep Date: 11/13/2009 6	Leachate Date: 11/10/2009 1555

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Endrin	0.0080	0.010		1	129	70-130	11/17/2009 2244
gamma-BHC (Lindane)	0.0080	0.0097		1	121	70-130	11/17/2009 2244
Heptachlor	0.0080	0.0091		1	114	70-130	11/17/2009 2244
Heptachlor epoxide	0.0080	0.0087		1	109	70-130	11/17/2009 2244
Methoxychlor	0.0080	0.0088		1	110	70-130	11/17/2009 2244
Surrogate	Q	% Rec	Acceptance Limit				
Decachlorobiphenyl		82	49-124				
Tetrachloro-m-xylene		86	58-122				

PQL = Practical quantitation limit
 ND = Not detected at or above the MDL
 P = The RPD between two GC columns exceeds 40%
 J = Estimated result < PQL and $\geq$ MDL
 N - Recovery is out of criteria
 + - RPD is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - MB

Sample ID: KQ21759-001

Matrix: Solid

Batch: 21759

Prep Method: 3550C

Analytical Method: 8081B

Prep Date: 11/16/2009 1109

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
4,4'-DDD	ND		1	1.7	0.25	ug/kg	11/17/2009 1507
4,4'-DDE	ND		1	1.7	0.32	ug/kg	11/17/2009 1507
4,4'-DDT	ND		1	1.7	0.28	ug/kg	11/17/2009 1507
Aldrin	ND		1	1.7	0.34	ug/kg	11/17/2009 1507
alpha-BHC	ND		1	1.7	0.39	ug/kg	11/17/2009 1507
alpha-Chlordane	ND		1	1.7	0.29	ug/kg	11/17/2009 1507
beta-BHC	ND		1	1.7	0.30	ug/kg	11/17/2009 1507
delta-BHC	ND		1	1.7	0.32	ug/kg	11/17/2009 1507
Dieldrin	ND		1	1.7	0.33	ug/kg	11/17/2009 1507
Endosulfan I	ND		1	1.7	0.34	ug/kg	11/17/2009 1507
Endosulfan II	ND		1	1.7	0.25	ug/kg	11/17/2009 1507
Endosulfan sulfate	ND		1	1.7	0.23	ug/kg	11/17/2009 1507
Endrin	ND		1	1.7	0.33	ug/kg	11/17/2009 1507
Endrin aldehyde	ND		1	1.7	0.30	ug/kg	11/17/2009 1507
Endrin ketone	ND		1	1.7	0.22	ug/kg	11/17/2009 1507
gamma-BHC (Lindane)	ND		1	1.7	0.36	ug/kg	11/17/2009 1507
gamma-Chlordane	ND		1	1.7	0.24	ug/kg	11/17/2009 1507
Heptachlor	ND		1	1.7	0.39	ug/kg	11/17/2009 1507
Heptachlor epoxide	ND		1	1.7	0.31	ug/kg	11/17/2009 1507
Methoxychlor	ND		1	6.7	1.3	ug/kg	11/17/2009 1507
Toxaphene	ND		1	83	9.1	ug/kg	11/17/2009 1507
Surrogate	Q	% Rec	Acceptance Limit				
Decachlorobiphenyl		100	58-123				
Tetrachloro-m-xylene		89	51-103				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - LCS

Sample ID: KQ21759-002

Matrix: Solid

Batch: 21759

Prep Method: 3550C

Analytical Method: 8081B

Prep Date: 11/16/2009 1109

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
4,4'-DDD	17	20		1	116	50-130	11/17/2009 1523
4,4'-DDE	17	17		1	98	50-130	11/17/2009 1523
4,4'-DDT	17	20		1	115	50-130	11/17/2009 1523
Aldrin	17	17		1	99	50-130	11/17/2009 1523
alpha-BHC	17	19		1	115	50-130	11/17/2009 1523
alpha-Chlordane	17	17		1	97	50-130	11/17/2009 1523
beta-BHC	17	18		1	103	50-130	11/17/2009 1523
delta-BHC	17	20		1	117	50-130	11/17/2009 1523
Dieldrin	17	18		1	105	50-130	11/17/2009 1523
Endosulfan I	17	17		1	101	50-130	11/17/2009 1523
Endosulfan II	17	19		1	113	50-130	11/17/2009 1523
Endosulfan sulfate	17	18		1	104	50-130	11/17/2009 1523
Endrin	17	19		1	111	50-130	11/17/2009 1523
Endrin aldehyde	17	17		1	103	50-130	11/17/2009 1523
Endrin ketone	17	20		1	119	50-130	11/17/2009 1523
gamma-BHC (Lindane)	17	21		1	121	50-130	11/17/2009 1523
gamma-Chlordane	17	17		1	100	50-130	11/17/2009 1523
Heptachlor	17	18		1	106	50-130	11/17/2009 1523
Heptachlor epoxide	17	18		1	106	50-130	11/17/2009 1523
Methoxychlor	17	16		1	96	50-130	11/17/2009 1523
Surrogate	Q	% Rec	Acceptance Limit				
Decachlorobiphenyl		106	58-123				
Tetrachloro-m-xylene		94	51-103				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - MS

Sample ID: KK07010-006MS

Matrix: Solid

Batch: 21759

Prep Method: 3550C

Analytical Method: 8081B

Prep Date: 11/16/2009 1109

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aldrin	ND	18	14		1	76	50-130	11/18/2009 1802
alpha-BHC	ND	18	15		1	85	50-130	11/18/2009 1802
beta-BHC	ND	18	14		1	80	50-130	11/18/2009 1802
delta-BHC	ND	18	16		1	88	50-130	11/18/2009 1802
gamma-BHC (Lindane)	ND	18	16		1	90	50-130	11/18/2009 1802
alpha-Chlordane	ND	18	14		1	79	50-130	11/18/2009 1802
gamma-Chlordane	ND	18	15		1	83	50-130	11/18/2009 1802
4,4'-DDD	ND	18	17		1	97	50-130	11/18/2009 1802
4,4'-DDE	ND	18	14		1	81	50-130	11/18/2009 1802
4,4'-DDT	ND	18	18		1	100	50-130	11/18/2009 1802
Dieldrin	ND	18	16		1	89	50-130	11/18/2009 1802
Endosulfan I	ND	18	15		1	82	50-130	11/18/2009 1802
Endosulfan II	ND	18	17		1	94	50-130	11/18/2009 1802
Endosulfan sulfate	ND	18	15		1	85	50-130	11/18/2009 1802
Endrin	ND	18	17		1	94	50-130	11/18/2009 1802
Endrin aldehyde	ND	18	15		1	83	50-130	11/18/2009 1802
Endrin ketone	ND	18	15		1	83	50-130	11/18/2009 1802
Heptachlor	ND	18	15		1	82	50-130	11/18/2009 1802
Heptachlor epoxide	ND	18	15		1	85	50-130	11/18/2009 1802
Methoxychlor	ND	18	16		1	88	50-130	11/18/2009 1802
Surrogate	Q	% Rec	Acceptance Limit					
Decachlorobiphenyl		92	58-123					
Tetrachloro-m-xylene		65	51-103					

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - MSD

Sample ID: KK07010-006MD

Matrix: Solid

Batch: 21759

Prep Method: 3550C

Analytical Method: 8081B

Prep Date: 11/16/2009 1109

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Aldrin	ND	18	16		1	89	17	50-130	30	11/18/2009 1817
alpha-BHC	ND	18	18		1	101	18	50-130	30	11/18/2009 1817
beta-BHC	ND	18	17		1	94	17	50-130	30	11/18/2009 1817
delta-BHC	ND	18	19		1	104	17	50-130	30	11/18/2009 1817
gamma-BHC (Lindane)	ND	18	19		1	108	18	50-130	30	11/18/2009 1817
alpha-Chlordane	ND	18	17		1	92	15	50-130	30	11/18/2009 1817
gamma-Chlordane	ND	18	17		1	95	15	50-130	30	11/18/2009 1817
4,4'-DDD	ND	18	20		1	112	15	50-130	30	11/18/2009 1817
4,4'-DDE	ND	18	17		1	93	15	50-130	30	11/18/2009 1817
4,4'-DDT	ND	18	21		1	116	16	50-130	30	11/18/2009 1817
Dieldrin	ND	18	19		1	105	18	50-130	30	11/18/2009 1817
Endosulfan I	ND	18	17		1	95	15	50-130	30	11/18/2009 1817
Endosulfan II	ND	18	20		1	109	16	50-130	30	11/18/2009 1817
Endosulfan sulfate	ND	18	18		1	99	17	50-130	30	11/18/2009 1817
Endrin	ND	18	20		1	109	15	50-130	30	11/18/2009 1817
Endrin aldehyde	ND	18	18	+	1	100	200	50-130	30	11/18/2009 1817
Endrin ketone	ND	18	17		1	96	15	50-130	30	11/18/2009 1817
Heptachlor	ND	18	18		1	99	19	50-130	30	11/18/2009 1817
Heptachlor epoxide	ND	18	18		1	99	16	50-130	30	11/18/2009 1817
Methoxychlor	ND	18	19		1	104	18	50-130	30	11/18/2009 1817
Surrogate	Q	% Rec	Acceptance Limit							
Decachlorobiphenyl		103	58-123							
Tetrachloro-m-xylene		79	51-103							

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MB

Sample ID: KQ21329-001

Batch: 21329

Analytical Method: 6010C

Matrix: Solid

Prep Method: 3050B

Prep Date: 11/11/2009 2021

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Arsenic	ND		1	0.50	0.19	mg/kg	11/12/2009 1654
Barium	ND		1	1.3	0.091	mg/kg	11/12/2009 1654
Cadmium	ND		1	0.10	0.011	mg/kg	11/12/2009 1654
Lead	ND		1	0.50	0.093	mg/kg	11/12/2009 1654
Selenium	ND		1	0.50	0.17	mg/kg	11/12/2009 1654
Silver	ND		1	0.25	0.042	mg/kg	11/12/2009 1654

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCS

Sample ID: KQ21329-002

Batch: 21329

Analytical Method: 6010C

Matrix: Solid

Prep Method: 3050B

Prep Date: 11/11/2009 2021

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Arsenic	250	260		1	106	80-120	11/12/2009 1700
Barium	500	500		1	100	80-120	11/12/2009 1700
Cadmium	50	51		1	102	80-120	11/12/2009 1700
Lead	250	260		1	106	80-120	11/12/2009 1700
Selenium	50	52		1	105	80-120	11/12/2009 1700
Silver	250	270		1	107	80-120	11/12/2009 1700

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCSD

Sample ID: KQ21329-003

Matrix: Solid

Batch: 21329

Prep Method: 3050B

Analytical Method: 6010C

Prep Date: 11/11/2009 2021

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Arsenic	250	270		1	107	1.6	80-120	20	11/12/2009 1706
Barium	500	510		1	102	2.2	80-120	20	11/12/2009 1706
Cadmium	50	52		1	104	1.7	80-120	20	11/12/2009 1706
Lead	250	270		1	106	0.77	80-120	20	11/12/2009 1706
Selenium	50	52		1	105	0.14	80-120	20	11/12/2009 1706
Silver	250	270		1	109	1.9	80-120	20	11/12/2009 1706

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

ICP-AES - MB

Sample ID: KQ21329-001

Batch: 21329

Analytical Method: 6010C

Matrix: Solid

Prep Method: 3050B

Prep Date: 11/11/2009 2021

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Chromium	ND		1	0.25	0.051	mg/kg	11/12/2009 1654

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

ICP-AES - LCS

Sample ID: KQ21329-002

Batch: 21329

Analytical Method: 6010C

Matrix: Solid

Prep Method: 3050B

Prep Date: 11/11/2009 2021

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Chromium	250	230		1	93	80-120	11/12/2009 1700

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

ICP-AES - LCSD

Sample ID: KQ21329-003

Batch: 21329

Analytical Method: 6010C

Matrix: Solid

Prep Method: 3050B

Prep Date: 11/11/2009 2021

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Chromium	250	240		1	95	1.9	80-120	20	11/12/2009 1706

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 110 of 119

Level 1 Report v2.1

TCLP Metals - MB

Sample ID: KQ21486-001

Batch: 21486

Analytical Method: 6010C

Matrix: Solid

Prep Method: 1311/3010A

Prep Date: 11/11/2009 1900 Leachate Date: 11/10/2009 1555

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Arsenic	ND		10	0.10	0.023	mg/L	11/12/2009 1822
Barium	ND		10	0.25	0.023	mg/L	11/12/2009 1822
Cadmium	ND		10	0.020	0.0030	mg/L	11/12/2009 1822
Chromium	ND		10	0.050	0.014	mg/L	11/12/2009 1822
Lead	ND		10	0.10	0.017	mg/L	11/12/2009 1822
Selenium	ND		10	0.10	0.032	mg/L	11/12/2009 1822
Silver	ND		10	0.050	0.0090	mg/L	11/12/2009 1822

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Metals - LCS

Sample ID: KQ21486-002

Matrix: Solid

Batch: 21486

Prep Method: 1311/3010A

Analytical Method: 6010C

Prep Date: 11/11/2009 1900 Leachate Date: 11/10/2009 1555

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Arsenic	5.0	5.0		10	101	80-120	11/12/2009 1826
Barium	10	11		10	113	80-120	11/12/2009 1826
Cadmium	1.0	1.1		10	109	80-120	11/12/2009 1826
Chromium	5.0	5.3		10	105	80-120	11/12/2009 1826
Lead	5.0	5.4		10	107	80-120	11/12/2009 1826
Selenium	1.0	1.1		10	107	80-120	11/12/2009 1826
Silver	5.0	5.3		10	106	80-120	11/12/2009 1826

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Metals - LCSD

Sample ID: KQ21486-003

Matrix: Solid

Batch: 21486

Prep Method: 1311/3010A

Analytical Method: 6010C

Prep Date: 11/11/2009 1900 Leachate Date: 11/10/2009 1555

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Arsenic	5.0	5.1		10	101	0.79	80-120	20	11/12/2009 1830
Barium	10	11		10	110	2.9	80-120	20	11/12/2009 1830
Cadmium	1.0	1.1		10	109	0.15	80-120	20	11/12/2009 1830
Chromium	5.0	5.2		10	104	1.4	80-120	20	11/12/2009 1830
Lead	5.0	5.3		10	106	1.6	80-120	20	11/12/2009 1830
Selenium	1.0	1.0		10	102	5.3	80-120	20	11/12/2009 1830
Silver	5.0	5.4		10	108	2.0	80-120	20	11/12/2009 1830

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - MB

Sample ID: KQ21345-001

Batch: 21345

Analytical Method: 7471B

Matrix: Solid

Prep Method: 7471B

Prep Date: 11/10/2009 2040

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Mercury	ND		1	0.083	0.0059	mg/kg	11/10/2009 2144

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - LCS

Sample ID: KQ21345-002

Batch: 21345

Analytical Method: 7471B

Matrix: Solid

Prep Method: 7471B

Prep Date: 11/10/2009 2040

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.83	0.86		1	103	85-115	11/10/2009 2146

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - LCSD

Sample ID: KQ21345-003

Matrix: Solid

Batch: 21345

Prep Method: 7471B

Analytical Method: 7471B

Prep Date: 11/10/2009 2040

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	0.83	0.87		1	104	0.97	85-115	20	11/10/2009 2148

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Metals - MB

Sample ID: KQ21483-001

Batch: 21483

Analytical Method: 7470A

Matrix: Solid

Prep Method: 1311/7470A

Prep Date: 11/11/2009 1900 Leachate Date: 11/10/2009 1555

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Mercury	ND		1	0.00020	0.000032	mg/L	11/11/2009 2241

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Metals - LCS

Sample ID: KQ21483-002

Batch: 21483

Analytical Method: 7470A

Matrix: Solid

Prep Method: 1311/7470A

Prep Date: 11/11/2009 1900 Leachate Date: 11/10/2009 1555

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.0020	0.0018		1	91	85-115	11/11/2009 2243

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Metals - LCSD

Sample ID: KQ21483-003

Batch: 21483

Analytical Method: 7470A

Matrix: Solid

Prep Method: 1311/7470A

Prep Date: 11/11/2009 1900 Leachate Date: 11/10/2009 1555

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	0.0020	0.0020		1	100	9.4	85-115	20	11/11/2009 2251

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results



SHEALY ENVIRONMENTAL SERVICES, INC.

106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 100487

Chain of Custody Record

Client: ARCADIS		Payroll to Contact: Andrew Davis		Telephone No. / Fax No. / E-mail: (803) 987-3900 / (803) 987-1609		Quote No.
Address: 30 Patwood Dr., Suite 155		Sample's Signature: Bobby Wolf		Payroll No.		Page 1 of 2
City: Greenville		Printed Name: Bobby Wolf		Analysis (Attach list if more space is needed)		
Project Name: Ft. Stewart (HAA01)		Project No.:		Lot No.:		
Project No.:		Sample ID / Description		Remarks / Container ID		
(Containers for each sample may be examined on one line.)		Date		Time		
HA01SB001 (8'-10')		11/3/09		1530		
HA01SB002 (6'-6.5')		11/3/09		1508		
HA01SB003 (8'-10')		11/3/09		1440		
HA01SB004 (2'-4')		11/3/09		1417		
HA01SB005 (0'-2')		11/3/09		1337		
HA01MW9 (1'-2')		11/4/09		1505		
HA01MW9 (9'-10')		11/4/09		1640		
HA01MW15 (1'-2')		11/5/09		1055		
HA01MW15 (5'-6')		11/5/09		1135		
Possible Hazard Identification		Sample Disposal		Make: All samples are retained for six weeks from receipt unless other arrangements are made.		
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown		☐ Return to Client ☐ Disposal by Lab				
Type: Aqueous ☐ Liquid ☐ Solid ☐ Gas ☐ Other (Specify)		GC Requirements (Specify)				
1. Requisitioned by: Bobby Wolf		Date: 11/16/09		Time: 1027		
2. Requisitioned by:		Date:		Time:		
3. Requisitioned by:		Date:		Time:		
Comments:		LAB USE ONLY		Received on 10/16/09 (Circle) Yes No		
DISTRIBUTION: WHITE & YELLOW/Return to laboratory with Samples: 7MWK-Field/Client Copy		Document Number: F-40-012		Effective Date: 08-01-02		



Chain of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.

106 Vantage Point Drive

West Columbia, South Carolina 29172

Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 100320

Client: ARCADIS		Report to Contact: Andrew Davis		Telephone No. / Fax No. / E-mail: (803) 987-3900 / (803) 987-1609		Quote No.
Address: 30 Patwood Drive, Suite 155		Sample's Signature: <i>Bobby Wolf</i>		Waybill No.		Page: 2 of 2
City: Greenville		Printed Name: Bobby Wolf		Analysis (Attach list if more space is needed.)		
Project Name: FT. Stewart (HAA01)		Project No.:		Lot No.:		
Sample ID / Description: GP08 HAFS. HO1B		Date: 11/4/09		Time: 1100		
(Containers for each sample must be combined on one trip.)		Date: 11/4/09		Time: 1142		
HAA01 MW 16 (1'-2')		Date: 11/4/09		Time: 820		
HAA01 MW 16 (10'-11')		Date: 11/4/09		Time: 845		
HAA01 MW 17 (1'-2')		Date: 11/4/09		Time: 1711		
HAA01 MW 17 (6'-7')		Date: 11/5/09		Time: 855		
H-10 - HAA01		Date:		Time:		
H-11 - HAA01		Date:		Time:		
Trip Blank		Date:		Time:		

Sample ID / Description	Date	Time	No. of Containers		Matrix		Preservative Type		Analysis	VOCs	Metals	Pest	TCP VOC	TCP Metals	PH / Temp
			3-Gal Composite	1-Gal	Acidic	Non-Acidic	Labors	H2SO4							
HAA01 MW 16 (1'-2')	11/4/09	1100	G		X		2			X					
HAA01 MW 16 (10'-11')	11/4/09	1142	G		X		1			X					
HAA01 MW 17 (1'-2')	11/4/09	820	G		X		2			X					
HAA01 MW 17 (6'-7')	11/4/09	845	G		X		1			X					
H-10 - HAA01	11/4/09	1711	G		X		3			X			X		
H-11 - HAA01	11/5/09	855	G		X		3			X			X		
Trip Blank					X			2							

Sample ID / Description	Date	Time	Sample Disposal		GC Requirements (Specify)	Note: All samples are retained for six weeks from receipt unless other arrangements are made.
			Return to Client	Disposal by Lab		
HAA01 MW 16 (1'-2')	11/7/09	1027				
HAA01 MW 16 (10'-11')	11/7/09	1027				
HAA01 MW 17 (1'-2')	11/7/09	1027				
HAA01 MW 17 (6'-7')	11/7/09	1027				
H-10 - HAA01	11/7/09	1027				
H-11 - HAA01	11/7/09	1027				
Trip Blank	11/7/09	1027				

Sample ID / Description	Date	Time	Received by		Date	Time
			Signature	Initials		
HAA01 MW 16 (1'-2')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 16 (10'-11')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 17 (1'-2')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 17 (6'-7')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
H-10 - HAA01	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
H-11 - HAA01	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
Trip Blank	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027

Sample ID / Description	Date	Time	Received by		Date	Time
			Signature	Initials		
HAA01 MW 16 (1'-2')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 16 (10'-11')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 17 (1'-2')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 17 (6'-7')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
H-10 - HAA01	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
H-11 - HAA01	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
Trip Blank	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027

Sample ID / Description	Date	Time	Received by		Date	Time
			Signature	Initials		
HAA01 MW 16 (1'-2')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 16 (10'-11')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 17 (1'-2')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 17 (6'-7')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
H-10 - HAA01	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
H-11 - HAA01	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
Trip Blank	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027

Sample ID / Description	Date	Time	Received by		Date	Time
			Signature	Initials		
HAA01 MW 16 (1'-2')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 16 (10'-11')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 17 (1'-2')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 17 (6'-7')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
H-10 - HAA01	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
H-11 - HAA01	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
Trip Blank	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027

Sample ID / Description	Date	Time	Received by		Date	Time
			Signature	Initials		
HAA01 MW 16 (1'-2')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 16 (10'-11')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 17 (1'-2')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 17 (6'-7')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
H-10 - HAA01	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
H-11 - HAA01	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
Trip Blank	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027

Sample ID / Description	Date	Time	Received by		Date	Time
			Signature	Initials		
HAA01 MW 16 (1'-2')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 16 (10'-11')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 17 (1'-2')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 17 (6'-7')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
H-10 - HAA01	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
H-11 - HAA01	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
Trip Blank	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027

Sample ID / Description	Date	Time	Received by		Date	Time
			Signature	Initials		
HAA01 MW 16 (1'-2')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 16 (10'-11')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 17 (1'-2')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 17 (6'-7')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
H-10 - HAA01	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
H-11 - HAA01	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
Trip Blank	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027

Sample ID / Description	Date	Time	Received by		Date	Time
			Signature	Initials		
HAA01 MW 16 (1'-2')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 16 (10'-11')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 17 (1'-2')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 17 (6'-7')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
H-10 - HAA01	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
H-11 - HAA01	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
Trip Blank	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027

Sample ID / Description	Date	Time	Received by		Date	Time
			Signature	Initials		
HAA01 MW 16 (1'-2')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 16 (10'-11')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 17 (1'-2')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 17 (6'-7')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
H-10 - HAA01	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
H-11 - HAA01	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
Trip Blank	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027

Sample ID / Description	Date	Time	Received by		Date	Time
			Signature	Initials		
HAA01 MW 16 (1'-2')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 16 (10'-11')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 17 (1'-2')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 17 (6'-7')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
H-10 - HAA01	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
H-11 - HAA01	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
Trip Blank	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027

Sample ID / Description	Date	Time	Received by		Date	Time
			Signature	Initials		
HAA01 MW 16 (1'-2')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 16 (10'-11')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 17 (1'-2')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 17 (6'-7')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
H-10 - HAA01	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
H-11 - HAA01	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
Trip Blank	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027

Sample ID / Description	Date	Time	Received by		Date	Time
			Signature	Initials		
HAA01 MW 16 (1'-2')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 16 (10'-11')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 17 (1'-2')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 17 (6'-7')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
H-10 - HAA01	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
H-11 - HAA01	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
Trip Blank	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027

Sample ID / Description	Date	Time	Received by		Date	Time
			Signature	Initials		
HAA01 MW 16 (1'-2')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 16 (10'-11')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 17 (1'-2')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 17 (6'-7')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
H-10 - HAA01	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
H-11 - HAA01	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
Trip Blank	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027

Sample ID / Description	Date	Time	Received by		Date	Time
			Signature	Initials		
HAA01 MW 16 (1'-2')	11/7/09	1027	<i>Bobby Wolf</i>		11/7/09	1027
HAA01 MW 16 (10'-1						

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 5

Page 1 of 1
Replaces Date: 09/22/06
Effective Date: 05/25/07

Sample Receipt Checklist (SRC)

Client: ARCADIS Cooler Inspected by/date: PM / 11/7/09 Lot #: KK07010

Means of receipt: ☐ SESI ☒ Client ☐ UPS ☐ FedEx ☐ Airborne Exp ☐ Other		
Yes ☐	No ☒	NA ☐
1. Were custody seals present on the cooler?		
Yes ☐	No ☐	NA ☐
2. If custody seals were present, were they intact and unbroken?		
Cooler ID/temperature upon receipt: <u>561</u> °C / °C / °C / °C		
Method: ☐ Temperature Blank ☒ Against Bottles		
Method of coolant: ☒ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None		
If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.		
Yes ☐	No ☐	NA ☒
3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other: _____ (For coolers received via commercial courier, PMs are to be notified immediately.)		
Yes ☐	No ☐	NA ☒
4. Is the commercial courier's packing slip attached to this form?		
Yes ☒	No ☐	NA ☐
5. Were proper custody procedures (relinquished/received) followed?		
Yes ☒	No ☐	NA ☐
6. Were sample IDs listed?		
Yes ☒	No ☐	NA ☐
7. Was collection date & time listed?		
Yes ☒	No ☐	NA ☐
8. Were tests to be performed listed on the COC or was quote # provided?		
Yes ☒	No ☐	NA ☐
9. Did all samples arrive in the proper containers for each test?		
Yes ☒	No ☐	NA ☐
10. Did all container label information (ID, date, time) agree with COC?		
Yes ☒	No ☐	NA ☐
11. Did all containers arrive in good condition (unbroken, lids on, etc.)?		
Yes ☒	No ☐	NA ☐
12. Was adequate sample volume available?		
Yes ☒	No ☐	NA ☐
13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?		
Yes ☐	No ☒	NA ☐
14. Were any samples containers missing?		
Yes ☐	No ☐	NA ☐
15. Were there any excess samples not listed on COC?		
Yes ☐	No ☒	NA ☒
16. Were bubbles present >"pea-size" (¼" or 6mm in diameter) in any VOA vials?		
Yes ☐	No ☐	NA ☒
17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?		
Yes ☐	No ☐	NA ☒
18. Were all cyanide and/or sulfide samples received at a pH >12?		
Yes ☐	No ☐	NA ☒
19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) and toxicity (<0.1mg/L) samples free of residual chlorine?		
Yes ☐	No ☐	NA ☒
20. Were collection temperatures documented on the COC for NC samples?		
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)		
Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H ₂ SO ₄ , HNO ₃ , HCl, NaOH) with the SR # (number) _____		
Sample(s) _____ were received with bubbles >6 mm in diameter.		
Sample(s) _____ were received with TRC >0.2 mg/L for NH3/TKN/cyanide/BNA/pest/PCB/herb.		
Toxicity sample(s) _____ were received with TRC >0.1 mg/L and were analyzed by method 330.5.		

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐

SESI employee: _____

Comments: _____

Did client respond: Yes ☐ No ☐

Date of response: _____

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KK07010
HAA-01

Analytical data were evaluated in accordance with applicable USEPA SW-846 method requirements, "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review" (October 1999), analytical method control criteria, the analytical laboratory Quality Assurance Control Limits, the Fort Stewart Military Reservation and Hunter Army Airfield Quality Assurance Project Plan (ARCADIS-2008), and professional judgment.

The data review summarized in this report includes a review of all sample collection documentation and the electronic data validation of the analytical data housed in the project database. Sample collection documentation included sample collection logs and chains of custody. The electronic data validation was performed utilizing the EQUIS Data Qualification Module (DQM). DQM checks for the following parameters:

- √ Holding times and preservation;
- √ Blank contamination;
 - 1. Method blanks,
 - 2. Trip blanks,
 - 3. Equipment blanks;
- √ Matrix spike and Duplicate sample recovery;
- √ Matrix Spike and Matrix Spike Duplicate relative percent differences;
- √ Laboratory Control Sample and Duplicate recovery;
- √ Laboratory Control Sample and Duplicate relative percent differences;
- √ Surrogate recovery (organic analyses only); and
- √ Field duplicate relative percent difference.

Manual review was performed for the following items:

- √ Sample dilutions and reporting limits;
- √ Case Narratives; and
- √ Laboratory Duplicates

Data was generated by Shealy Environmental Services, Inc. – West Columbia, South Carolina. Data qualifiers were applied electronically to the database with any additional qualifiers added manually. A summary of the data as amended by data qualifiers is included with the original hard copy reports.

The attached table summarizes the data that were qualified due to QC deficiencies. The table indicates compounds/analytes qualified based on electronic and manual validation. Refer to the associated method section of the validation checklist for a detailed explanation of qualification. All other data in these SDGs are considered usable as reported.

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KK07010
HAA-01

The following list of data qualifiers and definitions were applied in accordance with qualification criteria defined in the above guidance documents:

- UB Compound/analyte detected in blank or associated blank, qualified as a non-detect at listed value.
- J The analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ The analyte was not detected above the reporting limit; however, the reported quantitation limit is approximate and may, or may not represent the actual limit of quantitation necessary to accurately and precisely measure analyte in the sample.
- R The sample result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria; and the presence or absence of the analyte cannot be verified.
- U Not detected at the quantitative reporting limit

DQM RUN BY:	Rachelle Borne	12/28/09
REVIEW PERFORMED BY:	Rachelle Borne	12/28/09
SIGNATURE:		12/31/09
PEER REVIEW:	Dennis Capria	01/04/10

**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KK07010
HAA-01**

The following samples were included in this SDG:

SDG	Sample ID	Sample Date	Parent Sample
KK07010	H-10-HAA01	11/4/2009	
KK07010	H-11-HAA01	11/5/2009	
KK07010	HA01MW15 (1-2)	11/5/2009	
KK07010	HA01MW15 (5-6)	11/5/2009	
KK07010	HA01MW16 (10-11)	11/4/2009	
KK07010	HA01MW16 (1-2)	11/4/2009	
KK07010	HA01MW17 (1-2)	11/4/2009	
KK07010	HA01MW17 (6-7)	11/4/2009	
KK07010	HA01MW9 (1-2)	11/4/2009	
KK07010	HA01MW9 (9-10)	11/4/2009	
KK07010	HA01SB001 (8-10)	11/3/2009	
KK07010	HA01SB002 (6-6.5)	11/3/2009	
KK07010	HA01SB003 (8-10)	11/3/2009	
KK07010	HA01SB004 (2-4)	11/3/2009	
KK07010	HA01SB005 (0-2)	11/3/2009	
KK07010	TRIP BLANK2(110709)	11/7/2009	

**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KK07010
HAA-01**

ANALYTICAL DATA PACKAGE DOCUMENTATION

GENERAL INFORMATION

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Methods of analysis		X		X	
4. Reporting limits of analysis		X		X	
5. Master tracking list		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preparation/extraction date		X		X	
9. Sample analysis date		X		X	
10. Copy of chain-of-custody form signed by lab sample custodian		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Laboratory Signature		X		X	
13. South Carolina Certification Number		X		X	

QA - quality assurance

The analytical report was complete with the following exceptions or notations.

Note: The laboratory reported values between the quantitative reporting limit and the method detection limit as estimated concentrations. The "J" qualifier was retained in this validation. Non-detect values are reported at the quantitative reporting limit.

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KK07010
HAA-01

VOLATILE ORGANIC COMPOUNDS and TCLP VOLATILE ORGANIC COMPOUNDS

Items Reviewed	DQM Deficiency		Qualification Applied	
	No	Yes	No	Yes
1. Holding times/Preservation	DQM		DQM	
2. Reporting limits	M		M	
3. Blanks				
A. Method blanks		DQM	DQM	
B. Equipment blanks	NA		NA	
C. Trip blanks		DQM	DQM	
4. Surrogate spike recoveries	DQM		DQM	
5. Laboratory control sample (LCS)		DQM	DQM	
A. LCS %R		DQM	DQM	
B. LCS duplicate (LCSD) %R		DQM		DQM
C. LCS/LCSD RPD		DQM		DQM
6. Matrix spike (MS)				
A. MS %R	DQM		DQM	
B. MS duplicate (MSD) %R	NA		NA	
C. MS/MSD precision (RPD)	NA		NA	
7. Field Duplicate precision (RPD)	NA		NA	

M – Manual Review %R - percent recovery
Module

RPD - relative percent difference DQM – Data Qualification

Comments:

This section presents a discussion of any additions or changes to the electronic data validation for compounds analyzed by Method 8260.

2. Some samples required dilutions due to elevated concentrations of target analytes.
- 3A. Acetone and carbon disulfide were detected in the method blank for batch 21834. The trip blank was the only sample analyzed in this analytical batch; therefore, qualification of the data is not warranted.
- 3C. Acetone and carbon disulfide were detected in the trip blank. The associated field samples were either non-detect or greater than five times the blank value for carbon disulfide or greater than ten times the blank value for acetone. Qualification of the data is not warranted.
5. The recoveries of chloromethane, dichlorodifluoromethane, and vinyl chloride were above the control limit in the LCS and/or the LCSD for batches 21537 and 21538. The associated field samples were non-detect for these compounds; therefore, qualification of the data is not warranted.

The recoveries of 1,2-dibromomethane and 1,1,2,2-tetrachloroethane were below the control limit in the LCS for batch 22080. The RPDs for acetone and methyl acetate were above the control limit. The associated field samples are qualified as estimated for these compounds.
6. H-11-HAA01 was used as the MS for the TCLP fraction. The recoveries were acceptable.

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KK07010
HAA-01

SEMIVOLATILE ORGANIC COMPOUNDS

Items Reviewed	DQM Deficiency		Qualification Applied	
	No	Yes	No	Yes
1. Holding times/Preservation	DQM		DQM	
2. Reporting limits	M		M	
3. Blanks				
A. Method blanks	DQM		DQM	
B. Equipment blanks	NA		NA	
4. Surrogate spike recoveries	DQM		DQM	
5. Laboratory control sample (LCS)				
A. LCS %R	DQM		DQM	
B. LCS duplicate (LCSD) %R	NA		NA	
C. LCS/LCSD RPD	NA		NA	
6. Matrix spike (MS)				
A. MS %R	DQM		DQM	
B. MS duplicate (MSD) %R	DQM		DQM	
C. MS/MSD precision (RPD)	DQM		DQM	
7. Field Duplicate precision (RPD)	NA		NA	

M – Manual Review %R - percent recovery RPD - relative percent difference DQM – Data Qualification Module

Comments:

This section presents a discussion of any additions or changes to the electronic data validation for compounds analyzed by Method 8270D.

3. Some samples required dilutions due to elevated concentrations of target analytes. There were no elevated reporting limits for non-detect results.

6. HA01SB003(8-10) was used for the MS/MSD. The recoveries and RPDs were acceptable.

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KK07010
HAA-01

PESTICIDES and TCLP PESTICIDES

Items Reviewed	DQM Deficiency		Qualification Applied	
	No	Yes	No	Yes
1. Holding times/Preservation	DQM		DQM	
2. Reporting limits	M		M	
3. Blanks				
A. Method blanks	DQM		DQM	
B. Equipment blanks	NA		NA	
4. Surrogate spike recoveries	DQM		DQM	
5. Laboratory control sample (LCS)				
A. LCS %R	DQM		DQM	
B. LCS duplicate (LCSD) %R	NA		NA	
C. LCS/LCSD RPD	NA		NA	
6. Matrix spike (MS)				
A. MS %R	DQM		DQM	
B. MS duplicate (MSD) %R	DQM		DQM	
C. MS/MSD precision (RPD)		DQM		DQM
7. Field Duplicate precision (RPD)	NA		NA	

M – Manual Review %R - percent recovery RPD - relative percent difference DQM – Data Qualification Module

Comments:

This section presents a discussion of any additions or changes to the electronic data validation for compounds analyzed by Method 8081.

6. HA01MW9(1-2) was used as the MS/MSD for the pesticide fraction. The RPD for Endrin aldehydes was above the control limit. The parent sample is qualified as estimated for this compound.

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KK07010
HAA-01

METALS and TCLP METALS

Items Reviewed	DQM Deficiency		Qualification Applied	
	No	Yes	No	Yes
1. Holding times/Preservation	DQM		DQM	
2. Reporting limits	M		M	
3. Blanks				
A. Method blanks	DQM		DQM	
B. Equipment blanks	NA		NA	
4. Laboratory control sample (LCS)				
A. LCS %R	DQM		DQM	
B. LCS duplicate (LCSD) %R	DQM		DQM	
C. LCS/LCSD RPD	DQM		DQM	
5. Matrix spike (MS)				
A. MS %R	NA		NA	
B. MS duplicate (MSD) %R	NA		NA	
C. MS/MSD precision (RPD)	NA		NA	
6. Field Duplicate precision (RPD)	NA		NA	

M – Manual Review %R - percent recovery RPD - relative percent difference DQM – Data Qualification Module

Comments:

This section presents a discussion of any additions or changes to the electronic data validation for compounds analyzed by Methods 6010C and 7471B.

2. Some samples required dilutions due to elevated concentrations of metals.

Report of Analysis

ARCADIS U.S., Inc.
30 Patewood Drive
Suite 155
Greenville, SC 29615
Attention: Janet Christy

Project Name: Ft. Stewart (HAA01)

Project Number: GP08HAFS.H01B

Lot Number: KK07012

Date Completed: 11/19/2009



Nisreen Saikaly
Project Manager



This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

* KK07012 *

SHEALY ENVIRONMENTAL SERVICES, INC.

SC DHEC No: 32010

NELAC No: E87653

NC DEHNR No: 329

Case Narrative ARCADIS U.S., Inc. Lot Number: KK07012

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Pesticides

The sample results associated with a P qualifier have a relative percent difference (RPD) between the two dissimilar phase GC columns which exceeds 40%. In accordance with Section 7.10.4 of SW-846 method 8000B, the higher of the two results is reported. Due to disparity of the two results, it is likely that the reported results are biased high, or maybe a false positive.

pH

As per method the holding time for pH analysis is 15 minutes from collection.

Volatile Organic Compounds

The LCSD recovery for Chloromethane (Methyl chloride) was outside method control limits in batch 22074. The LCS results were within limits. The RPD for various analytes exceeded method control limits. However, all other QA/QC criteria for the LCS/LCSD were within acceptance criteria and method control limits. Therefore the associated sample results were reported and no corrective action was required.

The MS/MSD recoveries for many analytes in batch 22074 were outside acceptance criteria. All other QA/QC criteria for the batch were within acceptance criteria and method control limits. The MS/MSD recovery results are attributed to matrix interference. The associated sample results were reported and no corrective action was required.

SHEALY ENVIRONMENTAL SERVICES, INC.

Sample Summary ARCADIS U.S., Inc. Lot Number: KK07012

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	HA01MW14 (1-2)	Solid	11/06/2009 0900	11/07/2009
002	HA01MW14 (3-4)	Solid	11/06/2009 0910	11/07/2009
003	HA01MW12 (1-2)	Solid	11/06/2009 1100	11/07/2009
004	HA01MW12 (3-4)	Solid	11/06/2009 1110	11/07/2009
005	H-13-HAA01	Solid	11/06/2009 1415	11/07/2009
006	H-14-HAA01	Solid	11/06/2009 1425	11/07/2009
007	TRIP BLANK	Aqueous	11/07/2009	11/07/2009

(7 samples)

SHEALY ENVIRONMENTAL SERVICES, INC.

Executive Summary

ARCADIS U.S., Inc.

Lot Number: KK07012

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	HA01MW14 (1-2)	Solid	4,4'-DDT	8081B	4.9		ug/kg	7
001	HA01MW14 (1-2)	Solid	Dieldrin	8081B	1.1	JP	ug/kg	7
001	HA01MW14 (1-2)	Solid	Mercury	7471B	0.013	J	mg/kg	8
001	HA01MW14 (1-2)	Solid	Arsenic	6010C	1.7		mg/kg	9
001	HA01MW14 (1-2)	Solid	Barium	6010C	25		mg/kg	9
001	HA01MW14 (1-2)	Solid	Cadmium	6010C	0.020	J	mg/kg	9
001	HA01MW14 (1-2)	Solid	Chromium	6010C	8.6		mg/kg	9
001	HA01MW14 (1-2)	Solid	Lead	6010C	6.8		mg/kg	9
002	HA01MW14 (3-4)	Solid	Mercury	7471B	0.018	J	mg/kg	12
002	HA01MW14 (3-4)	Solid	Arsenic	6010C	0.47	J	mg/kg	13
002	HA01MW14 (3-4)	Solid	Barium	6010C	3.1		mg/kg	13
002	HA01MW14 (3-4)	Solid	Cadmium	6010C	0.025	J	mg/kg	13
002	HA01MW14 (3-4)	Solid	Chromium	6010C	1.4		mg/kg	13
002	HA01MW14 (3-4)	Solid	Lead	6010C	2.0		mg/kg	13
002	HA01MW14 (3-4)	Solid	Silver	6010C	1.1		mg/kg	13
003	HA01MW12 (1-2)	Solid	Acetone	8260B	24	J	ug/kg	14
003	HA01MW12 (1-2)	Solid	Chloromethane (Methyl chloride)	8260B	6.9		ug/kg	14
003	HA01MW12 (1-2)	Solid	Mercury	7471B	0.038	J	mg/kg	17
003	HA01MW12 (1-2)	Solid	Arsenic	6010C	0.47	J	mg/kg	18
003	HA01MW12 (1-2)	Solid	Barium	6010C	4.3		mg/kg	18
003	HA01MW12 (1-2)	Solid	Cadmium	6010C	0.014	J	mg/kg	18
003	HA01MW12 (1-2)	Solid	Chromium	6010C	1.7		mg/kg	18
003	HA01MW12 (1-2)	Solid	Lead	6010C	4.2		mg/kg	18
004	HA01MW12 (3-4)	Solid	1,2-Dichlorobenzene	8260B	2.3	J	ug/kg	19
004	HA01MW12 (3-4)	Solid	2-Hexanone	8260B	1.5	J	ug/kg	19
004	HA01MW12 (3-4)	Solid	Mercury	7471B	0.027	J	mg/kg	21
004	HA01MW12 (3-4)	Solid	Arsenic	6010C	0.48	J	mg/kg	22
004	HA01MW12 (3-4)	Solid	Barium	6010C	6.3		mg/kg	22
004	HA01MW12 (3-4)	Solid	Chromium	6010C	2.2		mg/kg	22
004	HA01MW12 (3-4)	Solid	Lead	6010C	3.2		mg/kg	22
005	H-13-HAA01	Solid	Ignitability (Pensky-Martens Closed-	1010A	>140		° F	23
005	H-13-HAA01	Solid	Barium	6010C	0.094	J	mg/L	26
006	H-14-HAA01	Solid	Ignitability (Pensky-Martens Closed-	1010A	>140		° F	27
006	H-14-HAA01	Solid	Barium	6010C	0.090	J	mg/L	30
007	TRIP BLANK	Aqueous	Acetone	8260B	2.4	BJ	ug/L	31
007	TRIP BLANK	Aqueous	Carbon disulfide	8260B	0.66	B	ug/L	31

(36 detections)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.	Laboratory ID: KK07012-001
Description: HA01MW14 (1-2)	Matrix: Solid
Date Sampled: 11/06/2009 0900	% Solids: 92.5 11/07/2009 1710
Date Received: 11/07/2009	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	11/19/2009 0131	DLB		22074	4.38

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		25	8.3	ug/kg	1
Benzene	71-43-2	8260B	ND		6.2	1.4	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.2	2.1	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.2	0.86	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.2	2.2	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	3.0	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.2	1.6	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.2	2.2	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.2	2.1	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.2	1.6	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.2	1.0	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.2	1.2	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.2	0.83	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.2	1.9	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.2	2.1	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.2	1.0	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.2	2.1	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.2	2.1	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.2	2.1	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.2	2.0	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.2	0.90	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.2	1.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.2	2.1	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.2	0.94	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.2	1.9	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.2	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.2	0.84	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.2	1.0	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.2	2.1	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	1.6	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.2	0.99	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.2	0.83	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.2	0.49	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.9	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.2	0.75	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.2	3.2	ug/kg	1
Styrene	100-42-5	8260B	ND		6.2	1.4	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.2	0.58	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.2	2.8	ug/kg	1
Toluene	108-88-3	8260B	ND		6.2	2.1	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.2	2.6	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.2	2.1	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.2	1.0	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.2	0.98	ug/kg	1

PQL = Practical quantitation limit	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL	J = Estimated result < PQL and ≥ MDL	P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"		N = Recovery is out of criteria H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.	Laboratory ID: KK07012-001
Description: HA01MW14 (1-2)	Matrix: Solid
Date Sampled: 11/06/2009 0900	% Solids: 92.5 11/07/2009 1710
Date Received: 11/07/2009	

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 11/19/2009 0131	Analyst DLB	Prep Date	Batch 22074	Sample Wt.(g) 4.38

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		6.2	2.3	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.2	1.9	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.2	1.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.2	3.6	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		74	53-142
Bromofluorobenzene		86	47-138
Toluene-d8		93	68-124

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 6 of 74

Level 1 Report v2.1

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.	Laboratory ID: KK07012-001
Description: HA01MW14 (1-2)	Matrix: Solid
Date Sampled: 11/06/2009 0900	% Solids: 92.5 11/07/2009 1710
Date Received: 11/07/2009	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8081B	1	11/19/2009 0337	ASB	11/16/2009 1109	21759

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		1.8	0.36	ug/kg	1
alpha-BHC	319-84-6	8081B	ND		1.8	0.41	ug/kg	1
beta-BHC	319-85-7	8081B	ND		1.8	0.32	ug/kg	1
delta-BHC	319-86-8	8081B	ND		1.8	0.34	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		1.8	0.38	ug/kg	1
alpha-Chlordane	5103-71-9	8081B	ND		1.8	0.31	ug/kg	1
gamma-Chlordane	5103-74-2	8081B	ND		1.8	0.25	ug/kg	1
4,4'-DDD	72-54-8	8081B	ND		1.8	0.26	ug/kg	1
4,4'-DDE	72-55-9	8081B	ND		1.8	0.34	ug/kg	1
4,4'-DDT	50-29-3	8081B	4.9		1.8	0.29	ug/kg	1
Dieldrin	60-57-1	8081B	1.1	JP	1.8	0.35	ug/kg	1
Endosulfan I	959-98-8	8081B	ND		1.8	0.36	ug/kg	1
Endosulfan II	33213-65-9	8081B	ND		1.8	0.26	ug/kg	1
Endosulfan sulfate	1031-07-8	8081B	ND		1.8	0.24	ug/kg	1
Endrin	72-20-8	8081B	ND		1.8	0.35	ug/kg	1
Endrin aldehyde	7421-93-4	8081B	ND		1.8	0.32	ug/kg	1
Endrin ketone	53494-70-5	8081B	ND		1.8	0.23	ug/kg	1
Heptachlor	76-44-8	8081B	ND		1.8	0.41	ug/kg	1
Heptachlor epoxide	1024-57-3	8081B	ND		1.8	0.33	ug/kg	1
Methoxychlor	72-43-5	8081B	ND		7.1	1.4	ug/kg	1
Toxaphene	8001-35-2	8081B	ND		87	9.6	ug/kg	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
Decachlorobiphenyl		102	58-123					
Tetrachloro-m-xylene		82	51-103					

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

CVAA

Client: ARCADIS U.S., Inc.

Laboratory ID: KK07012-001

Description: HA01MW14 (1-2)

Matrix: Solid

Date Sampled: 11/06/2009 0900

% Solids: 92.5 11/07/2009 1710

Date Received: 11/07/2009

Run 1	Prep Method	Analytical Method 7471B	Dilution 1	Analysis Date 11/10/2009 2223	Analyst BNW	Prep Date 11/10/2009 2040	Batch 21345				
Parameter			CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Mercury			7439-97-6	7471B	0.013	J	0.088	0.0063	mg/kg	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 8 of 74

Level 1 Report v2.1

RCRA Metals

Client: ARCADIS U.S., Inc.

Laboratory ID: KK07012-001

Description: HA01MW14 (1-2)

Matrix: Solid

Date Sampled: 11/06/2009 0900

% Solids: 92.5 11/07/2009 1710

Date Received: 11/07/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3050B	6010C	1	11/12/2009 1835	KJC	11/11/2009 2021	21329

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	1.7		0.53	0.20	mg/kg	1
Barium	7440-39-3	6010C	25		1.4	0.096	mg/kg	1
Cadmium	7440-43-9	6010C	0.020	J	0.11	0.011	mg/kg	1
Chromium	7440-47-3	6010C	8.6		0.26	0.054	mg/kg	1
Lead	7439-92-1	6010C	6.8		0.53	0.098	mg/kg	1
Selenium	7782-49-2	6010C	ND		0.53	0.18	mg/kg	1
Silver	7440-22-4	6010C	ND		0.26	0.044	mg/kg	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 9 of 74

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.			Laboratory ID: KK07012-002		
Description: HA01MW14 (3-4)			Matrix: Solid		
Date Sampled: 11/06/2009 0910			% Solids: 82.9 11/07/2009 1710		
Date Received: 11/07/2009					

Run 2	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 11/19/2009 0301	Analyst DLB	Prep Date	Batch 22074	Sample Wt.(g) 5.13

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		24	7.9	ug/kg	2
Benzene	71-43-2	8260B	ND		5.9	1.3	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		5.9	2.0	ug/kg	2
Bromoform	75-25-2	8260B	ND		5.9	0.82	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.9	2.1	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		12	2.8	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		5.9	1.5	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		5.9	2.1	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		5.9	2.0	ug/kg	2
Chloroethane	75-00-3	8260B	ND		5.9	1.5	ug/kg	2
Chloroform	67-66-3	8260B	ND		5.9	0.98	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.9	1.2	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		5.9	0.79	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.9	1.8	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		5.9	2.0	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.9	1.0	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.9	2.0	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.9	2.0	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.9	2.0	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		5.9	1.9	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		5.9	0.86	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		5.9	1.2	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		5.9	2.0	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.9	0.89	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.9	1.8	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		5.9	1.1	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.9	0.80	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.9	0.96	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		5.9	2.0	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		12	1.5	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		5.9	0.94	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		5.9	0.79	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.9	0.47	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.8	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		5.9	0.72	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		5.9	3.1	ug/kg	2
Styrene	100-42-5	8260B	ND		5.9	1.3	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.9	0.55	ug/kg	2
Tetrachloroethene	127-18-4	8260B	ND		5.9	2.7	ug/kg	2
Toluene	108-88-3	8260B	ND		5.9	2.0	ug/kg	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.9	2.5	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.9	2.0	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.9	1.0	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.9	0.93	ug/kg	2

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.		Laboratory ID: KK07012-002	
Description: HA01MW14 (3-4)		Matrix: Solid	
Date Sampled: 11/06/2009 0910		% Solids: 82.9 11/07/2009 1710	
Date Received: 11/07/2009			

Run 2	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 11/19/2009 0301	Analyst DLB	Prep Date	Batch 22074	Sample Wt.(g) 5.13	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		5.9	2.2	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		5.9	1.8	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		5.9	1.0	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		5.9	3.4	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		85	53-142
Bromofluorobenzene		68	47-138
Toluene-d8		85	68-124

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

CVAA

Client: ARCADIS U.S., Inc.	Laboratory ID: KK07012-002
Description: HA01MW14 (3-4)	Matrix: Solid
Date Sampled: 11/06/2009 0910	% Solids: 82.9 11/07/2009 1710
Date Received: 11/07/2009	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1		7471B	1	11/10/2009 2225	BNW	11/10/2009 2040	21345		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7471B	0.018	J	0.096	0.0068	mg/kg	1

PQL = Practical quantitation limit	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL	J = Estimated result < PQL and ≥ MDL	P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"		N = Recovery is out of criteria H = Out of holding time

RCRA Metals

Client: ARCADIS U.S., Inc.

Laboratory ID: KK07012-002

Description: HA01MW14 (3-4)

Matrix: Solid

Date Sampled: 11/06/2009 0910

% Solids: 82.9 11/07/2009 1710

Date Received: 11/07/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3050B	6010C	1	11/12/2009 1847	KJC	11/11/2009 2021	21329
2	3050B	6010C	1	11/12/2009 2158	KJC	11/11/2009 2021	21329

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	0.47	J	0.60	0.23	mg/kg	2
Barium	7440-39-3	6010C	3.1		1.6	0.11	mg/kg	1
Cadmium	7440-43-9	6010C	0.025	J	0.12	0.013	mg/kg	1
Chromium	7440-47-3	6010C	1.4		0.30	0.061	mg/kg	1
Lead	7439-92-1	6010C	2.0		0.60	0.11	mg/kg	1
Selenium	7782-49-2	6010C	ND		0.60	0.21	mg/kg	1
Silver	7440-22-4	6010C	1.1		0.30	0.051	mg/kg	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.					Laboratory ID: KK07012-003			
Description: HA01MW12 (1-2)					Matrix: Solid			
Date Sampled: 11/06/2009 1100					% Solids: 85.9 11/07/2009 1710			
Date Received: 11/07/2009								

Run 2	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 11/19/2009 0324	Analyst DLB	Prep Date	Batch 22074	Sample Wt.(g) 4.21

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	24	J	28	9.3	ug/kg	2
Benzene	71-43-2	8260B	ND		6.9	1.5	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		6.9	2.4	ug/kg	2
Bromoform	75-25-2	8260B	ND		6.9	0.97	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.9	2.5	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		14	3.3	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		6.9	1.8	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		6.9	2.5	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		6.9	2.4	ug/kg	2
Chloroethane	75-00-3	8260B	ND		6.9	1.8	ug/kg	2
Chloroform	67-66-3	8260B	ND		6.9	1.1	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	6.9		6.9	1.4	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		6.9	0.93	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.9	2.1	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		6.9	2.4	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.9	1.2	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.9	2.4	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.9	2.4	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.9	2.4	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		6.9	2.2	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		6.9	1.0	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		6.9	1.4	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		6.9	2.4	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.9	1.1	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.9	2.1	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		6.9	1.3	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.9	0.94	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.9	1.1	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		6.9	2.4	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		14	1.8	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		6.9	1.1	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		6.9	0.93	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.9	0.55	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		14	2.1	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		6.9	0.84	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		6.9	3.6	ug/kg	2
Styrene	100-42-5	8260B	ND		6.9	1.5	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.9	0.65	ug/kg	2
Tetrachloroethene	127-18-4	8260B	ND		6.9	3.2	ug/kg	2
Toluene	108-88-3	8260B	ND		6.9	2.4	ug/kg	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.9	2.9	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.9	2.4	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.9	1.2	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.9	1.1	ug/kg	2

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.	Laboratory ID: KK07012-003
Description: HA01MW12 (1-2)	Matrix: Solid
Date Sampled: 11/06/2009 1100	% Solids: 85.9 11/07/2009 1710
Date Received: 11/07/2009	

Run 2	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 11/19/2009 0324	Analyst DLB	Prep Date	Batch 22074	Sample Wt.(g) 4.21	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		6.9	2.6	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		6.9	2.1	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		6.9	1.2	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		6.9	4.0	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	53-142
Bromofluorobenzene		66	47-138
Toluene-d8		86	68-124

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.		Laboratory ID: KK07012-003	
Description: HA01MW12 (1-2)		Matrix: Solid	
Date Sampled: 11/06/2009 1100		% Solids: 85.9 11/07/2009 1710	
Date Received: 11/07/2009			

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8081B	1	11/19/2009 0353	ASB	11/16/2009 1109	21759

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		1.9	0.38	ug/kg	1
alpha-BHC	319-84-6	8081B	ND		1.9	0.44	ug/kg	1
beta-BHC	319-85-7	8081B	ND		1.9	0.34	ug/kg	1
delta-BHC	319-86-8	8081B	ND		1.9	0.36	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		1.9	0.40	ug/kg	1
alpha-Chlordane	5103-71-9	8081B	ND		1.9	0.33	ug/kg	1
gamma-Chlordane	5103-74-2	8081B	ND		1.9	0.27	ug/kg	1
4,4'-DDD	72-54-8	8081B	ND		1.9	0.28	ug/kg	1
4,4'-DDE	72-55-9	8081B	ND		1.9	0.36	ug/kg	1
4,4'-DDT	50-29-3	8081B	ND		1.9	0.31	ug/kg	1
Dieldrin	60-57-1	8081B	ND		1.9	0.37	ug/kg	1
Endosulfan I	959-98-8	8081B	ND		1.9	0.38	ug/kg	1
Endosulfan II	33213-65-9	8081B	ND		1.9	0.28	ug/kg	1
Endosulfan sulfate	1031-07-8	8081B	ND		1.9	0.26	ug/kg	1
Endrin	72-20-8	8081B	ND		1.9	0.37	ug/kg	1
Endrin aldehyde	7421-93-4	8081B	ND		1.9	0.34	ug/kg	1
Endrin ketone	53494-70-5	8081B	ND		1.9	0.25	ug/kg	1
Heptachlor	76-44-8	8081B	ND		1.9	0.44	ug/kg	1
Heptachlor epoxide	1024-57-3	8081B	ND		1.9	0.35	ug/kg	1
Methoxychlor	72-43-5	8081B	ND		7.5	1.5	ug/kg	1
Toxaphene	8001-35-2	8081B	ND		93	10	ug/kg	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
Decachlorobiphenyl		88	58-123					
Tetrachloro-m-xylene		74	51-103					

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

CVAA

Client: ARCADIS U.S., Inc.

Laboratory ID: KK07012-003

Description: HA01MW12 (1-2)

Matrix: Solid

Date Sampled: 11/06/2009 1100

% Solids: 85.9 11/07/2009 1710

Date Received: 11/07/2009

Run 1	Prep Method	Analytical Method 7471B	Dilution 1	Analysis Date 11/10/2009 2227	Analyst BNW	Prep Date 11/10/2009 2040	Batch 21345

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7471B	0.038	J	0.095	0.0068	mg/kg	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 17 of 74

Level 1 Report v2.1

RCRA Metals

Client: ARCADIS U.S., Inc.

Laboratory ID: KK07012-003

Description: HA01MW12 (1-2)

Matrix: Solid

Date Sampled: 11/06/2009 1100

% Solids: 85.9 11/07/2009 1710

Date Received: 11/07/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3050B	6010C	1	11/12/2009 1853	KJC	11/11/2009 2021	21329
2	3050B	6010C	1	11/12/2009 2204	KJC	11/11/2009 2021	21329

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	0.47	J	0.55	0.21	mg/kg	1
Barium	7440-39-3	6010C	4.3		1.4	0.10	mg/kg	1
Cadmium	7440-43-9	6010C	0.014	J	0.11	0.012	mg/kg	1
Chromium	7440-47-3	6010C	1.7		0.28	0.056	mg/kg	1
Lead	7439-92-1	6010C	4.2		0.55	0.10	mg/kg	1
Selenium	7782-49-2	6010C	ND		0.55	0.19	mg/kg	1
Silver	7440-22-4	6010C	ND		0.28	0.046	mg/kg	2

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 18 of 74

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.					Laboratory ID: KK07012-004			
Description: HAO1MW12 (3-4)					Matrix: Solid			
Date Sampled: 11/06/2009 1110					% Solids: 80.8 11/07/2009 1710			
Date Received: 11/07/2009								

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	11/19/2009 0239	DLB		22074	5.29

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		23	7.8	ug/kg	1
Benzene	71-43-2	8260B	ND		5.8	1.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.8	2.0	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.8	0.82	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.8	2.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	2.8	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.8	1.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.8	2.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.8	2.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.8	1.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.8	0.97	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.8	1.2	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.8	0.79	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.8	1.8	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.8	2.0	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.8	0.99	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	2.3	J	5.8	2.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.8	2.0	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.8	2.0	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.8	1.9	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.8	0.85	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.8	1.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.8	2.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.8	0.89	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.8	1.8	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.8	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.8	0.80	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.8	0.96	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.8	2.0	ug/kg	1
2-Hexanone	591-78-6	8260B	1.5	J	12	1.5	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.8	0.94	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.8	0.78	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.8	0.47	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.8	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.8	0.71	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.8	3.0	ug/kg	1
Styrene	100-42-5	8260B	ND		5.8	1.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.8	0.55	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.8	2.7	ug/kg	1
Toluene	108-88-3	8260B	ND		5.8	2.0	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.8	2.5	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.8	2.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.8	0.99	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.8	0.92	ug/kg	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.		Laboratory ID: KK07012-004	
Description: HAO1MW12 (3-4)		Matrix: Solid	
Date Sampled: 11/06/2009 1110		% Solids: 80.8 11/07/2009 1710	
Date Received: 11/07/2009			

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 11/19/2009 0239	Analyst DLB	Prep Date	Batch 22074	Sample Wt.(g) 5.29

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		5.8	2.2	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.8	1.8	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.8	1.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.8	3.4	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		82	53-142
Bromofluorobenzene		72	47-138
Toluene-d8		86	68-124

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 20 of 74

Level 1 Report v2.1

CVAA

Client: ARCADIS U.S., Inc.

Laboratory ID: KK07012-004

Description: HAO1MW12 (3-4)

Matrix: Solid

Date Sampled: 11/06/2009 1110

% Solids: 80.8 11/07/2009 1710

Date Received: 11/07/2009

Run 1	Prep Method	Analytical Method 7471B	Dilution 1	Analysis Date 11/10/2009 2229	Analyst BNW	Prep Date 11/10/2009 2040	Batch 21345				
Parameter			CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Mercury			7439-97-6	7471B	0.027	J	0.10	0.0072	mg/kg	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 21 of 74

Level 1 Report v2.1

RCRA Metals

Client: ARCADIS U.S., Inc.

Laboratory ID: KK07012-004

Description: HAO1MW12 (3-4)

Matrix: Solid

Date Sampled: 11/06/2009 1110

% Solids: 80.8 11/07/2009 1710

Date Received: 11/07/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3050B	6010C	1	11/12/2009 1859	KJC	11/11/2009 2021	21329
2	3050B	6010C	1	11/12/2009 2222	KJC	11/11/2009 2021	21329

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	0.48	J	0.59	0.22	mg/kg	1
Barium	7440-39-3	6010C	6.3		1.5	0.11	mg/kg	1
Cadmium	7440-43-9	6010C	ND		0.12	0.012	mg/kg	1
Chromium	7440-47-3	6010C	2.2		0.30	0.060	mg/kg	1
Lead	7439-92-1	6010C	3.2		0.59	0.11	mg/kg	1
Selenium	7782-49-2	6010C	ND		0.59	0.21	mg/kg	1
Silver	7440-22-4	6010C	ND		0.30	0.050	mg/kg	2

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 22 of 74

Level 1 Report v2.1

Inorganic non-metals

Client: ARCADIS U.S., Inc.				Laboratory ID: KK07012-005			
Description: H-13-HAA01				Matrix: Solid			
Date Sampled: 11/06/2009 1415				% Solids: 76.1 11/07/2009 1710			
Date Received: 11/07/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Ignitability) 1010A	1	11/10/2009 1629	PMM		
1		(pH) 9045D	1	11/09/2009 1547	BAN		21335

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Ignitability (Pensky-Martens Closed-Cup)		1010A	>140				° F	1
pH		9045D	6.3	H	0.000	0.000	su	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 23 of 74

Level 1 Report v2.1

TCLP Volatiles

Client: ARCADIS U.S., Inc.				Laboratory ID: KK07012-005			
Description: H-13-HAA01				Matrix: Solid			
Date Sampled: 11/06/2009 1415				% Solids: 76.1 11/07/2009 1710			
Date Received: 11/07/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/5030B	8260B	10	11/17/2009 1303	DLB		21924	11/13/2009 1820

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		0.050	0.0020	mg/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		0.10	0.018	mg/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.050	0.0040	mg/L	1
Chlorobenzene	108-90-7	8260B	ND		0.050	0.0020	mg/L	1
Chloroform	67-66-3	8260B	ND		0.050	0.0030	mg/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.050	0.0030	mg/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.050	0.0050	mg/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.050	0.0040	mg/L	1
Trichloroethene	79-01-6	8260B	ND		0.050	0.0030	mg/L	1
Vinyl chloride	75-01-4	8260B	ND		0.010	0.0010	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		89	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

TCLP Pesticides

Client: ARCADIS U.S., Inc.				Laboratory ID: KK07012-005			
Description: H-13-HAA01				Matrix: Solid			
Date Sampled: 11/06/2009 1415				% Solids: 76.1 11/07/2009 1710			
Date Received: 11/07/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/3520C	8081B	1	11/17/2009 2331	ASB	11/13/2009 0006	21616	11/10/2009 1555

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.00050	0.00	mg/L	1
Chlordane	57-74-9	8081B	ND		0.0025	0.00	mg/L	1
Endrin	72-20-8	8081B	ND		0.00050	0.00	mg/L	1
Heptachlor	76-44-8	8081B	ND		0.00050	0.00	mg/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.00050	0.00	mg/L	1
Methoxychlor	72-43-5	8081B	ND		0.0020	0.00	mg/L	1
Toxaphene	8001-35-2	8081B	ND		0.0050	0.00	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		98	49-124
Tetrachloro-m-xylene		83	58-122

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

TCLP Metals

Client: ARCADIS U.S., Inc.		Laboratory ID: KK07012-005	
Description: H-13-HAA01		Matrix: Solid	
Date Sampled: 11/06/2009 1415		% Solids: 76.1 11/07/2009 1710	
Date Received: 11/07/2009			

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/7470A	7470A	1	11/11/2009 2314	BNW	11/11/2009 1900	21483	11/10/2009 1555
1	1311/3010A	6010C	10	11/12/2009 1908	KJC	11/11/2009 1900	21486	11/10/2009 1555

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.10	0.023	mg/L	1
Barium	7440-39-3	6010C	0.094	J	0.25	0.023	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.020	0.0030	mg/L	1
Chromium	7440-47-3	6010C	ND		0.050	0.014	mg/L	1
Lead	7439-92-1	6010C	ND		0.10	0.017	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00020	0.000032	mg/L	1
Selenium	7782-49-2	6010C	ND		0.10	0.032	mg/L	1
Silver	7440-22-4	6010C	ND		0.050	0.0090	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Inorganic non-metals

Client: ARCADIS U.S., Inc.				Laboratory ID: KK07012-006			
Description: H-14-HAA01				Matrix: Solid			
Date Sampled: 11/06/2009 1425				% Solids: 79.1 11/07/2009 1710			
Date Received: 11/07/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Ignitability) 1010A	1	11/10/2009 1629	PMM		
1		(pH) 9045D	1	11/09/2009 1547	BAN		21335

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Ignitability (Pensky-Martens Closed-Cup)		1010A	>140				° F	1
pH		9045D	6.17	H	0.000	0.000	su	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 27 of 74

Level 1 Report v2.1

TCLP Volatiles

Client: ARCADIS U.S., Inc.				Laboratory ID: KK07012-006			
Description: H-14-HAA01				Matrix: Solid			
Date Sampled: 11/06/2009 1425				% Solids: 79.1 11/07/2009 1710			
Date Received: 11/07/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/5030B	8260B	10	11/17/2009 1324	DLB		21924	11/13/2009 1820

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		0.050	0.0020	mg/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		0.10	0.018	mg/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.050	0.0040	mg/L	1
Chlorobenzene	108-90-7	8260B	ND		0.050	0.0020	mg/L	1
Chloroform	67-66-3	8260B	ND		0.050	0.0030	mg/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.050	0.0030	mg/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.050	0.0050	mg/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.050	0.0040	mg/L	1
Trichloroethene	79-01-6	8260B	ND		0.050	0.0030	mg/L	1
Vinyl chloride	75-01-4	8260B	ND		0.010	0.0010	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 28 of 74

Level 1 Report v2.1

TCLP Pesticides

Client: ARCADIS U.S., Inc.				Laboratory ID: KK07012-006			
Description: H-14-HAA01				Matrix: Solid			
Date Sampled: 11/06/2009 1425				% Solids: 79.1 11/07/2009 1710			
Date Received: 11/07/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/3520C	8081B	1	11/17/2009 2347	ASB	11/13/2009 0006	21616	11/10/2009 1555

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.00050	0.00	mg/L	1
Chlordane	57-74-9	8081B	ND		0.0025	0.00	mg/L	1
Endrin	72-20-8	8081B	ND		0.00050	0.00	mg/L	1
Heptachlor	76-44-8	8081B	ND		0.00050	0.00	mg/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.00050	0.00	mg/L	1
Methoxychlor	72-43-5	8081B	ND		0.0020	0.00	mg/L	1
Toxaphene	8001-35-2	8081B	ND		0.0050	0.00	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		81	49-124
Tetrachloro-m-xylene		84	58-122

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 29 of 74

Level 1 Report v2.1

TCLP Metals

Client: ARCADIS U.S., Inc.		Laboratory ID: KK07012-006	
Description: H-14-HAA01		Matrix: Solid	
Date Sampled: 11/06/2009 1425		% Solids: 79.1 11/07/2009 1710	
Date Received: 11/07/2009			

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/7470A	7470A	1	11/11/2009 2322	BNW	11/11/2009 1900	21483	11/10/2009 1555
1	1311/3010A	6010C	10	11/12/2009 1911	KJC	11/11/2009 1900	21486	11/10/2009 1555

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.10	0.023	mg/L	1
Barium	7440-39-3	6010C	0.090	J	0.25	0.023	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.020	0.0030	mg/L	1
Chromium	7440-47-3	6010C	ND		0.050	0.014	mg/L	1
Lead	7439-92-1	6010C	ND		0.10	0.017	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00020	0.000032	mg/L	1
Selenium	7782-49-2	6010C	ND		0.10	0.032	mg/L	1
Silver	7440-22-4	6010C	ND		0.050	0.0090	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KK07012-007			
Description: TRIP BLANK				Matrix: Aqueous			
Date Sampled: 11/07/2009							
Date Received: 11/07/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	11/17/2009 1833	DLB		21834		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	2.4	BJ	10	0.061	ug/L	1	
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1	
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1	
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1	
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1	
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1	
Carbon disulfide	75-15-0	8260B	0.66	B	0.50	0.097	ug/L	1	
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1	
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1	
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1	
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1	
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1	
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1	
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1	
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1	
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1	
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1	
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1	
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1	
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1	
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1	
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1	
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1	
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1	
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1	
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1	
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1	
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1	
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1	
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1	
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1	
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1	
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1	
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1	
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1	
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1	
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1	
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1	
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1	
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KK07012-007			
Description: TRIP BLANK				Matrix: Aqueous			
Date Sampled: 11/07/2009							
Date Received: 11/07/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 11/17/2009 1833	Analyst DLB	Prep Date	Batch 21834

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		87	70-130
Bromofluorobenzene		85	70-130
Toluene-d8		92	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ21834-001

Matrix: Aqueous

Batch: 21834

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	1.4	J	1	10	0.061	ug/L	11/17/2009 1222
Benzene	ND		1	0.50	0.027	ug/L	11/17/2009 1222
Bromodichloromethane	ND		1	0.50	0.17	ug/L	11/17/2009 1222
Bromoform	ND		1	0.50	0.010	ug/L	11/17/2009 1222
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	11/17/2009 1222
2-Butanone (MEK)	ND		1	10	2.0	ug/L	11/17/2009 1222
Carbon disulfide	0.18	J	1	0.50	0.097	ug/L	11/17/2009 1222
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	11/17/2009 1222
Chlorobenzene	ND		1	0.50	0.17	ug/L	11/17/2009 1222
Chloroethane	ND		1	0.50	0.17	ug/L	11/17/2009 1222
Chloroform	ND		1	0.50	0.17	ug/L	11/17/2009 1222
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	11/17/2009 1222
Cyclohexane	ND		1	0.50	0.30	ug/L	11/17/2009 1222
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	11/17/2009 1222
Dibromochloromethane	ND		1	0.50	0.17	ug/L	11/17/2009 1222
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	11/17/2009 1222
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	11/17/2009 1222
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	11/17/2009 1222
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	11/17/2009 1222
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	11/17/2009 1222
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	11/17/2009 1222
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	11/17/2009 1222
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	11/17/2009 1222
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	11/17/2009 1222
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	11/17/2009 1222
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	11/17/2009 1222
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	11/17/2009 1222
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	11/17/2009 1222
Ethylbenzene	ND		1	0.50	0.17	ug/L	11/17/2009 1222
2-Hexanone	ND		1	10	0.27	ug/L	11/17/2009 1222
Isopropylbenzene	ND		1	0.50	0.029	ug/L	11/17/2009 1222
Methyl acetate	ND		1	1.0	0.30	ug/L	11/17/2009 1222
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	11/17/2009 1222
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	11/17/2009 1222
Methylcyclohexane	ND		1	5.0	0.95	ug/L	11/17/2009 1222
Methylene chloride	ND		1	0.50	0.17	ug/L	11/17/2009 1222
Styrene	ND		1	0.50	0.015	ug/L	11/17/2009 1222
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	11/17/2009 1222
Tetrachloroethene	ND		1	0.50	0.014	ug/L	11/17/2009 1222
Toluene	ND		1	0.50	0.17	ug/L	11/17/2009 1222
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	11/17/2009 1222
1,2,4-Trichlorobenzene	ND		1	0.50	0.17	ug/L	11/17/2009 1222
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	11/17/2009 1222
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	11/17/2009 1222

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ21834-001

Matrix: Aqueous

Batch: 21834

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.024	ug/L	11/17/2009 1222
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	11/17/2009 1222
Vinyl chloride	ND		1	0.50	0.065	ug/L	11/17/2009 1222
Xylenes (total)	ND		1	0.50	0.17	ug/L	11/17/2009 1222
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		89	70-130				
1,2-Dichloroethane-d4		87	70-130				
Toluene-d8		92	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ21834-002

Matrix: Aqueous

Batch: 21834

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	120		1	119	46-153	11/17/2009 1055
Benzene	50	44		1	88	70-130	11/17/2009 1055
Bromodichloromethane	50	44		1	88	70-130	11/17/2009 1055
Bromoform	50	42		1	83	70-130	11/17/2009 1055
Bromomethane (Methyl bromide)	50	55		1	109	60-140	11/17/2009 1055
2-Butanone (MEK)	100	96		1	96	60-140	11/17/2009 1055
Carbon disulfide	50	52		1	104	60-140	11/17/2009 1055
Carbon tetrachloride	50	49		1	98	70-130	11/17/2009 1055
Chlorobenzene	50	43		1	86	70-130	11/17/2009 1055
Chloroethane	50	42		1	83	42-163	11/17/2009 1055
Chloroform	50	47		1	94	70-130	11/17/2009 1055
Chloromethane (Methyl chloride)	50	43		1	86	20-158	11/17/2009 1055
Cyclohexane	50	46		1	93	70-130	11/17/2009 1055
1,2-Dibromo-3-chloropropane (DBCP)	50	51		1	101	70-130	11/17/2009 1055
Dibromochloromethane	50	46		1	91	70-130	11/17/2009 1055
1,2-Dibromoethane (EDB)	50	41		1	82	70-130	11/17/2009 1055
1,2-Dichlorobenzene	50	47		1	95	70-130	11/17/2009 1055
1,3-Dichlorobenzene	50	45		1	90	70-130	11/17/2009 1055
1,4-Dichlorobenzene	50	44		1	89	70-130	11/17/2009 1055
Dichlorodifluoromethane	50	36		1	73	60-140	11/17/2009 1055
1,2-Dichloroethane	50	45		1	90	70-130	11/17/2009 1055
1,1-Dichloroethane	50	45		1	90	70-130	11/17/2009 1055
cis-1,2-Dichloroethene	50	46		1	93	70-130	11/17/2009 1055
trans-1,2-Dichloroethene	50	47		1	93	70-130	11/17/2009 1055
1,1-Dichloroethene	50	47		1	94	70-130	11/17/2009 1055
1,2-Dichloropropane	50	44		1	88	70-130	11/17/2009 1055
trans-1,3-Dichloropropene	50	48		1	95	70-130	11/17/2009 1055
cis-1,3-Dichloropropene	50	43		1	86	70-130	11/17/2009 1055
Ethylbenzene	50	46		1	92	70-130	11/17/2009 1055
2-Hexanone	100	86		1	86	60-140	11/17/2009 1055
Isopropylbenzene	50	49		1	98	70-130	11/17/2009 1055
Methyl acetate	50	51		1	103	15-128	11/17/2009 1055
Methyl tertiary butyl ether (MTBE)	50	50		1	100	70-130	11/17/2009 1055
4-Methyl-2-pentanone	100	91		1	91	60-140	11/17/2009 1055
Methylcyclohexane	50	48		1	97	70-130	11/17/2009 1055
Methylene chloride	50	47		1	95	70-130	11/17/2009 1055
Styrene	50	46		1	92	70-130	11/17/2009 1055
1,1,2,2-Tetrachloroethane	50	46		1	92	70-130	11/17/2009 1055
Tetrachloroethene	50	45		1	91	70-130	11/17/2009 1055
Toluene	50	44		1	87	70-130	11/17/2009 1055
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	45		1	91	70-130	11/17/2009 1055
1,2,4-Trichlorobenzene	50	62		1	125	70-130	11/17/2009 1055
1,1,2-Trichloroethane	50	39		1	78	70-130	11/17/2009 1055
1,1,1-Trichloroethane	50	49		1	99	70-130	11/17/2009 1055

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ21834-002

Matrix: Aqueous

Batch: 21834

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	45		1	89	70-130	11/17/2009 1055
Trichlorofluoromethane	50	46		1	93	60-140	11/17/2009 1055
Vinyl chloride	50	42		1	84	60-140	11/17/2009 1055
Xylenes (total)	100	95		1	95	70-130	11/17/2009 1055
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		91	70-130				
1,2-Dichloroethane-d4		86	70-130				
Toluene-d8		92	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ21834-003

Matrix: Aqueous

Batch: 21834

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	110		1	110	7.1	46-153	20	11/17/2009 1117
Benzene	50	44		1	88	0.73	70-130	20	11/17/2009 1117
Bromodichloromethane	50	45		1	89	1.1	70-130	20	11/17/2009 1117
Bromoform	50	41		1	82	1.2	70-130	20	11/17/2009 1117
Bromomethane (Methyl bromide)	50	49		1	98	11	60-140	20	11/17/2009 1117
2-Butanone (MEK)	100	94		1	94	1.9	60-140	20	11/17/2009 1117
Carbon disulfide	50	49		1	99	5.6	60-140	20	11/17/2009 1117
Carbon tetrachloride	50	47		1	94	3.6	70-130	20	11/17/2009 1117
Chlorobenzene	50	43		1	86	0.63	70-130	20	11/17/2009 1117
Chloroethane	50	39		1	78	6.4	42-163	20	11/17/2009 1117
Chloroform	50	46		1	92	3.0	70-130	20	11/17/2009 1117
Chloromethane (Methyl chloride)	50	39		1	79	8.5	20-158	20	11/17/2009 1117
Cyclohexane	50	45		1	89	3.8	70-130	20	11/17/2009 1117
1,2-Dibromo-3-chloropropane (DBCP)	50	46		1	93	9.1	70-130	20	11/17/2009 1117
Dibromochloromethane	50	46		1	91	0.25	70-130	20	11/17/2009 1117
1,2-Dibromoethane (EDB)	50	42		1	84	2.4	70-130	20	11/17/2009 1117
1,2-Dichlorobenzene	50	46		1	92	2.6	70-130	20	11/17/2009 1117
1,3-Dichlorobenzene	50	45		1	90	0.30	70-130	20	11/17/2009 1117
1,4-Dichlorobenzene	50	45		1	89	0.83	70-130	20	11/17/2009 1117
Dichlorodifluoromethane	50	34		1	68	7.3	60-140	20	11/17/2009 1117
1,2-Dichloroethane	50	45		1	90	0.26	70-130	20	11/17/2009 1117
1,1-Dichloroethane	50	44		1	87	3.2	70-130	20	11/17/2009 1117
cis-1,2-Dichloroethene	50	44		1	89	4.1	70-130	20	11/17/2009 1117
trans-1,2-Dichloroethene	50	45		1	90	3.8	70-130	20	11/17/2009 1117
1,1-Dichloroethene	50	44		1	89	5.6	70-130	20	11/17/2009 1117
1,2-Dichloropropane	50	45		1	90	2.4	70-130	20	11/17/2009 1117
trans-1,3-Dichloropropene	50	48		1	97	1.6	70-130	20	11/17/2009 1117
cis-1,3-Dichloropropene	50	44		1	87	1.5	70-130	20	11/17/2009 1117
Ethylbenzene	50	46		1	92	0.87	70-130	20	11/17/2009 1117
2-Hexanone	100	87		1	87	0.98	60-140	20	11/17/2009 1117
Isopropylbenzene	50	48		1	95	2.6	70-130	20	11/17/2009 1117
Methyl acetate	50	49		1	98	4.5	15-128	20	11/17/2009 1117
Methyl tertiary butyl ether (MTBE)	50	48		1	96	4.1	70-130	20	11/17/2009 1117
4-Methyl-2-pentanone	100	90		1	90	1.6	60-140	20	11/17/2009 1117
Methylcyclohexane	50	47		1	95	1.9	70-130	20	11/17/2009 1117
Methylene chloride	50	44		1	88	7.7	70-130	20	11/17/2009 1117
Styrene	50	47		1	93	1.2	70-130	20	11/17/2009 1117
1,1,2,2-Tetrachloroethane	50	44		1	87	5.6	70-130	20	11/17/2009 1117
Tetrachloroethene	50	45		1	90	0.72	70-130	20	11/17/2009 1117
Toluene	50	45		1	90	2.8	70-130	20	11/17/2009 1117
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	42		1	83	8.6	70-130	20	11/17/2009 1117
1,2,4-Trichlorobenzene	50	59		1	118	5.9	70-130	20	11/17/2009 1117
1,1,2-Trichloroethane	50	40		1	80	2.4	70-130	20	11/17/2009 1117
1,1,1-Trichloroethane	50	47		1	94	4.7	70-130	20	11/17/2009 1117

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ21834-003

Matrix: Aqueous

Batch: 21834

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	46		1	91	2.6	70-130	20	11/17/2009 1117
Trichlorofluoromethane	50	46		1	92	1.0	60-140	20	11/17/2009 1117
Vinyl chloride	50	39		1	79	6.5	60-140	20	11/17/2009 1117
Xylenes (total)	100	93		1	93	1.6	70-130	20	11/17/2009 1117
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		89	70-130						
1,2-Dichloroethane-d4		85	70-130						
Toluene-d8		92	70-130						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Volatiles - MB

Sample ID: KQ21924-001

Matrix: Solid

Batch: 21924

Prep Method: 1311/5030B

Analytical Method: 8260B

Leachate Date: 11/13/2009 1820

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Benzene	ND		10	0.050	0.0020	mg/L	11/17/2009 1220
2-Butanone (MEK)	ND		10	0.10	0.018	mg/L	11/17/2009 1220
Carbon tetrachloride	ND		10	0.050	0.0040	mg/L	11/17/2009 1220
Chlorobenzene	ND		10	0.050	0.0020	mg/L	11/17/2009 1220
Chloroform	ND		10	0.050	0.0030	mg/L	11/17/2009 1220
1,2-Dichloroethane	ND		10	0.050	0.0030	mg/L	11/17/2009 1220
1,1-Dichloroethene	ND		10	0.050	0.0050	mg/L	11/17/2009 1220
Tetrachloroethene	ND		10	0.050	0.0040	mg/L	11/17/2009 1220
Trichloroethene	ND		10	0.050	0.0030	mg/L	11/17/2009 1220
Vinyl chloride	ND		10	0.010	0.0010	mg/L	11/17/2009 1220
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		90	70-130				
1,2-Dichloroethane-d4		88	70-130				
Toluene-d8		94	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Volatiles - LCS

Sample ID: KQ21924-002

Matrix: Solid

Batch: 21924

Prep Method: 1311/5030B

Analytical Method: 8260B

Leachate Date: 11/13/2009 1820

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Benzene	0.50	0.46		10	92	72-127	11/17/2009 1159
2-Butanone (MEK)	1.0	0.85		10	85	60-140	11/17/2009 1159
Carbon tetrachloride	0.50	0.43		10	86	37-166	11/17/2009 1159
Chlorobenzene	0.50	0.45		10	91	78-129	11/17/2009 1159
Chloroform	0.50	0.42		10	85	63-123	11/17/2009 1159
1,2-Dichloroethane	0.50	0.40		10	79	59-143	11/17/2009 1159
1,1-Dichloroethene	0.50	0.44		10	88	50-132	11/17/2009 1159
Tetrachloroethene	0.50	0.46		10	92	70-130	11/17/2009 1159
Trichloroethene	0.50	0.44		10	88	73-124	11/17/2009 1159
Vinyl chloride	0.50	0.35		10	70	29-159	11/17/2009 1159
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		88	70-130				
1,2-Dichloroethane-d4		84	70-130				
Toluene-d8		93	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Volatiles - MS

Sample ID: KK07012-006MS

Matrix: Solid

Batch: 21924

Prep Method: 1311/5030B

Analytical Method: 8260B

Leachate Date: 11/13/2009 1820

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Benzene	ND	0.50	0.53		10	105	70-127	11/17/2009 1345
2-Butanone (MEK)	ND	1.0	0.98		10	98	60-140	11/17/2009 1345
Carbon tetrachloride	ND	0.50	0.49		10	97	37-166	11/17/2009 1345
Chlorobenzene	ND	0.50	0.52		10	104	78-129	11/17/2009 1345
Chloroform	ND	0.50	0.51		10	102	63-123	11/17/2009 1345
1,2-Dichloroethane	ND	0.50	0.48		10	96	59-143	11/17/2009 1345
1,1-Dichloroethene	ND	0.50	0.51		10	102	50-132	11/17/2009 1345
Tetrachloroethene	ND	0.50	0.49		10	98	70-130	11/17/2009 1345
Trichloroethene	ND	0.50	0.48		10	97	73-124	11/17/2009 1345
Vinyl chloride	ND	0.50	0.41		10	82	29-159	11/17/2009 1345
Surrogate	Q	% Rec	Acceptance Limit					
Bromofluorobenzene		104	70-130					
1,2-Dichloroethane-d4		106	70-130					
Toluene-d8		107	70-130					

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ22074-001

Matrix: Solid

Batch: 22074

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	11/19/2009 0036
Benzene	ND		1	5.0	1.1	ug/kg	11/19/2009 0036
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	11/19/2009 0036
Bromoform	ND		1	5.0	0.70	ug/kg	11/19/2009 0036
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	11/19/2009 0036
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	11/19/2009 0036
Carbon disulfide	ND		1	5.0	1.3	ug/kg	11/19/2009 0036
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	11/19/2009 0036
Chlorobenzene	ND		1	5.0	1.7	ug/kg	11/19/2009 0036
Chloroethane	ND		1	5.0	1.3	ug/kg	11/19/2009 0036
Chloroform	ND		1	5.0	0.83	ug/kg	11/19/2009 0036
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	11/19/2009 0036
Cyclohexane	ND		1	5.0	0.67	ug/kg	11/19/2009 0036
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	11/19/2009 0036
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	11/19/2009 0036
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	11/19/2009 0036
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	11/19/2009 0036
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	11/19/2009 0036
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	11/19/2009 0036
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	11/19/2009 0036
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	11/19/2009 0036
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	11/19/2009 0036
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	11/19/2009 0036
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	11/19/2009 0036
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	11/19/2009 0036
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	11/19/2009 0036
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	11/19/2009 0036
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	11/19/2009 0036
Ethylbenzene	ND		1	5.0	1.7	ug/kg	11/19/2009 0036
2-Hexanone	ND		1	10	1.3	ug/kg	11/19/2009 0036
Isopropylbenzene	ND		1	5.0	0.80	ug/kg	11/19/2009 0036
Methyl acetate	ND		1	5.0	0.67	ug/kg	11/19/2009 0036
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	11/19/2009 0036
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	11/19/2009 0036
Methylcyclohexane	ND		1	5.0	0.61	ug/kg	11/19/2009 0036
Methylene chloride	ND		1	5.0	2.6	ug/kg	11/19/2009 0036
Styrene	ND		1	5.0	1.1	ug/kg	11/19/2009 0036
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	11/19/2009 0036
Tetrachloroethene	ND		1	5.0	2.3	ug/kg	11/19/2009 0036
Toluene	ND		1	5.0	1.7	ug/kg	11/19/2009 0036
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	2.1	ug/kg	11/19/2009 0036
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	11/19/2009 0036
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	11/19/2009 0036
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	11/19/2009 0036

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ22074-001

Matrix: Solid

Batch: 22074

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	11/19/2009 0036
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	11/19/2009 0036
Vinyl chloride	ND		1	5.0	0.86	ug/kg	11/19/2009 0036
Xylenes (total)	ND		1	5.0	2.9	ug/kg	11/19/2009 0036
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		91	47-138				
1,2-Dichloroethane-d4		82	53-142				
Toluene-d8		92	68-124				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ22074-002

Matrix: Solid

Batch: 22074

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	92		1	92	42-149	11/18/2009 2328
Benzene	50	44		1	88	69-123	11/18/2009 2328
Bromodichloromethane	50	43		1	86	69-121	11/18/2009 2328
Bromoform	50	39		1	78	61-119	11/18/2009 2328
Bromomethane (Methyl bromide)	50	44		1	88	35-144	11/18/2009 2328
2-Butanone (MEK)	100	94		1	94	57-148	11/18/2009 2328
Carbon disulfide	50	49		1	98	58-122	11/18/2009 2328
Carbon tetrachloride	50	45		1	90	58-136	11/18/2009 2328
Chlorobenzene	50	39		1	79	59-129	11/18/2009 2328
Chloroethane	50	46		1	92	50-132	11/18/2009 2328
Chloroform	50	41		1	83	71-125	11/18/2009 2328
Chloromethane (Methyl chloride)	50	57		1	113	34-134	11/18/2009 2328
Cyclohexane	50	45		1	90	53-139	11/18/2009 2328
1,2-Dibromo-3-chloropropane (DBCP)	50	44		1	87	55-125	11/18/2009 2328
Dibromochloromethane	50	39		1	77	66-119	11/18/2009 2328
1,2-Dibromoethane (EDB)	50	40		1	79	74-124	11/18/2009 2328
1,4-Dichlorobenzene	50	36		1	72	52-133	11/18/2009 2328
1,3-Dichlorobenzene	50	37		1	74	51-134	11/18/2009 2328
1,2-Dichlorobenzene	50	37		1	74	57-131	11/18/2009 2328
Dichlorodifluoromethane	50	60		1	121	10-157	11/18/2009 2328
1,2-Dichloroethane	50	43		1	87	67-129	11/18/2009 2328
1,1-Dichloroethane	50	42		1	85	71-127	11/18/2009 2328
trans-1,2-Dichloroethene	50	43		1	86	68-131	11/18/2009 2328
cis-1,2-Dichloroethene	50	42		1	85	70-122	11/18/2009 2328
1,1-Dichloroethene	50	44		1	88	69-138	11/18/2009 2328
1,2-Dichloropropane	50	42		1	85	72-124	11/18/2009 2328
trans-1,3-Dichloropropene	50	43		1	85	70-124	11/18/2009 2328
cis-1,3-Dichloropropene	50	43		1	87	70-126	11/18/2009 2328
Ethylbenzene	50	42		1	84	59-128	11/18/2009 2328
2-Hexanone	100	92		1	92	54-137	11/18/2009 2328
Isopropylbenzene	50	40		1	79	50-136	11/18/2009 2328
Methyl acetate	50	46		1	93	59-137	11/18/2009 2328
Methyl tertiary butyl ether (MTBE)	50	46		1	91	72-122	11/18/2009 2328
4-Methyl-2-pentanone	100	96		1	96	60-134	11/18/2009 2328
Methylcyclohexane	50	45		1	90	41-144	11/18/2009 2328
Methylene chloride	50	41		1	83	77-129	11/18/2009 2328
Styrene	50	44		1	87	54-136	11/18/2009 2328
1,1,2,2-Tetrachloroethane	50	38		1	76	69-132	11/18/2009 2328
Tetrachloroethene	50	41		1	82	70-130	11/18/2009 2328
Toluene	50	43		1	87	61-129	11/18/2009 2328
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	43		1	85	49-136	11/18/2009 2328
1,2,4-Trichlorobenzene	50	38		1	75	34-145	11/18/2009 2328
1,1,2-Trichloroethane	50	40		1	81	55-128	11/18/2009 2328
1,1,1-Trichloroethane	50	45		1	89	63-128	11/18/2009 2328

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ22074-002

Matrix: Solid

Batch: 22074

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	43		1	85	62-126	11/18/2009 2328
Trichlorofluoromethane	50	49		1	97	45-138	11/18/2009 2328
Vinyl chloride	50	52		1	105	42-132	11/18/2009 2328
Xylenes (total)	100	85		1	85	58-128	11/18/2009 2328
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		76	47-138				
1,2-Dichloroethane-d4		78	53-142				
Toluene-d8		77	68-124				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ22074-003

Matrix: Solid

Batch: 22074

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	100		1	102	11	42-149	20	11/18/2009 2351
Benzene	50	49		1	99	12	69-123	20	11/18/2009 2351
Bromodichloromethane	50	51		1	102	17	69-121	20	11/18/2009 2351
Bromoform	50	46		1	93	17	61-119	20	11/18/2009 2351
Bromomethane (Methyl bromide)	50	56	+	1	111	23	35-144	20	11/18/2009 2351
2-Butanone (MEK)	100	110		1	105	11	57-148	20	11/18/2009 2351
Carbon disulfide	50	58		1	115	17	58-122	20	11/18/2009 2351
Carbon tetrachloride	50	54		1	108	18	58-136	20	11/18/2009 2351
Chlorobenzene	50	48		1	96	20	59-129	20	11/18/2009 2351
Chloroethane	50	55		1	109	16	50-132	20	11/18/2009 2351
Chloroform	50	50		1	99	18	71-125	20	11/18/2009 2351
Chloromethane (Methyl chloride)	50	68	N	1	137	19	34-134	20	11/18/2009 2351
Cyclohexane	50	53		1	107	17	53-139	20	11/18/2009 2351
1,2-Dibromo-3-chloropropane (DBCP)	50	53		1	106	20	55-125	20	11/18/2009 2351
Dibromochloromethane	50	46		1	92	17	66-119	20	11/18/2009 2351
1,2-Dibromoethane (EDB)	50	48		1	97	20	74-124	20	11/18/2009 2351
1,4-Dichlorobenzene	50	45	+	1	90	21	52-133	20	11/18/2009 2351
1,3-Dichlorobenzene	50	46	+	1	91	21	51-134	20	11/18/2009 2351
1,2-Dichlorobenzene	50	46	+	1	92	22	57-131	20	11/18/2009 2351
Dichlorodifluoromethane	50	70		1	140	15	10-157	20	11/18/2009 2351
1,2-Dichloroethane	50	52		1	104	18	67-129	20	11/18/2009 2351
1,1-Dichloroethane	50	50		1	101	17	71-127	20	11/18/2009 2351
trans-1,2-Dichloroethene	50	51		1	102	17	68-131	20	11/18/2009 2351
cis-1,2-Dichloroethene	50	51		1	101	18	70-122	20	11/18/2009 2351
1,1-Dichloroethene	50	52		1	103	16	69-138	20	11/18/2009 2351
1,2-Dichloropropane	50	50		1	100	17	72-124	20	11/18/2009 2351
trans-1,3-Dichloropropene	50	51		1	101	17	70-124	20	11/18/2009 2351
cis-1,3-Dichloropropene	50	51		1	102	16	70-126	20	11/18/2009 2351
Ethylbenzene	50	51		1	102	18	59-128	20	11/18/2009 2351
2-Hexanone	100	110		1	107	15	54-137	20	11/18/2009 2351
Isopropylbenzene	50	49	+	1	99	22	50-136	20	11/18/2009 2351
Methyl acetate	50	55		1	110	17	59-137	20	11/18/2009 2351
Methyl tertiary butyl ether (MTBE)	50	54		1	109	17	72-122	20	11/18/2009 2351
4-Methyl-2-pentanone	100	110		1	112	16	60-134	20	11/18/2009 2351
Methylcyclohexane	50	53		1	105	16	41-144	20	11/18/2009 2351
Methylene chloride	50	50		1	99	18	77-129	20	11/18/2009 2351
Styrene	50	53		1	105	19	54-136	20	11/18/2009 2351
1,1,2,2-Tetrachloroethane	50	46		1	93	20	69-132	20	11/18/2009 2351
Tetrachloroethene	50	49		1	98	17	70-130	20	11/18/2009 2351
Toluene	50	52		1	103	17	61-129	20	11/18/2009 2351
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	50		1	100	16	49-136	20	11/18/2009 2351
1,2,4-Trichlorobenzene	50	46	+	1	93	21	34-145	20	11/18/2009 2351
1,1,2-Trichloroethane	50	48		1	97	18	55-128	20	11/18/2009 2351
1,1,1-Trichloroethane	50	54		1	109	20	63-128	20	11/18/2009 2351

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ22074-003

Matrix: Solid

Batch: 22074

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	50		1	101	17	62-126	20	11/18/2009 2351
Trichlorofluoromethane	50	56		1	112	14	45-138	20	11/18/2009 2351
Vinyl chloride	50	63		1	127	19	42-132	20	11/18/2009 2351
Xylenes (total)	100	100		1	102	19	58-128	20	11/18/2009 2351
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		97	47-138						
1,2-Dichloroethane-d4		86	53-142						
Toluene-d8		98	68-124						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: KK07012-004MS

Matrix: Solid

Batch: 22074

Prep Method: 5035

Analytical Method: 8260B

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	ND	88	100		1	117	42-149	11/19/2009 0753
Benzene	ND	44	41		1	92	69-123	11/19/2009 0753
Bromodichloromethane	ND	44	40		1	90	69-121	11/19/2009 0753
Bromoform	ND	44	29		1	65	61-119	11/19/2009 0753
Bromomethane (Methyl bromide)	ND	44	44		1	100	35-144	11/19/2009 0753
2-Butanone (MEK)	ND	88	80		1	91	57-148	11/19/2009 0753
Carbon disulfide	ND	44	45		1	103	58-122	11/19/2009 0753
Carbon tetrachloride	ND	44	40		1	91	58-136	11/19/2009 0753
Chlorobenzene	ND	44	32		1	73	59-129	11/19/2009 0753
Chloroethane	ND	44	46		1	105	50-132	11/19/2009 0753
Chloroform	ND	44	40		1	90	71-125	11/19/2009 0753
Chloromethane (Methyl chloride)	ND	44	62	N	1	141	34-134	11/19/2009 0753
Cyclohexane	ND	44	34		1	78	53-139	11/19/2009 0753
1,2-Dibromo-3-chloropropane (DBCP)	ND	44	34		1	77	55-125	11/19/2009 0753
Dibromochloromethane	ND	44	34		1	78	66-119	11/19/2009 0753
1,2-Dibromoethane (EDB)	ND	44	37		1	83	74-124	11/19/2009 0753
1,4-Dichlorobenzene	ND	44	25		1	58	52-133	11/19/2009 0753
1,3-Dichlorobenzene	ND	44	26		1	59	51-134	11/19/2009 0753
1,2-Dichlorobenzene	2.3	44	24	N	1	49	57-131	11/19/2009 0753
Dichlorodifluoromethane	ND	44	59		1	135	10-157	11/19/2009 0753
1,2-Dichloroethane	ND	44	42		1	95	67-129	11/19/2009 0753
1,1-Dichloroethane	ND	44	42		1	94	71-127	11/19/2009 0753
trans-1,2-Dichloroethene	ND	44	41		1	93	68-131	11/19/2009 0753
cis-1,2-Dichloroethene	ND	44	40		1	90	70-122	11/19/2009 0753
1,1-Dichloroethene	ND	44	41		1	92	69-138	11/19/2009 0753
1,2-Dichloropropane	ND	44	40		1	91	72-124	11/19/2009 0753
trans-1,3-Dichloropropene	ND	44	39		1	88	70-124	11/19/2009 0753
cis-1,3-Dichloropropene	ND	44	38		1	86	70-126	11/19/2009 0753
Ethylbenzene	ND	44	35		1	79	59-128	11/19/2009 0753
2-Hexanone	1.5	88	83		1	95	54-137	11/19/2009 0753
Isopropylbenzene	ND	44	41		1	94	50-136	11/19/2009 0753
Methyl acetate	ND	44	68	N	1	154	59-137	11/19/2009 0753
Methyl tertiary butyl ether (MTBE)	ND	44	45		1	101	72-122	11/19/2009 0753
4-Methyl-2-pentanone	ND	88	88		1	100	60-134	11/19/2009 0753
Methylcyclohexane	ND	44	26		1	59	41-144	11/19/2009 0753
Methylene chloride	ND	44	40		1	91	77-129	11/19/2009 0753
Styrene	ND	44	29		1	65	54-136	11/19/2009 0753
1,1,2,2-Tetrachloroethane	ND	44	40		1	91	69-132	11/19/2009 0753
Tetrachloroethene	ND	44	34		1	77	70-130	11/19/2009 0753
Toluene	ND	44	38		1	85	61-129	11/19/2009 0753
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	44	37		1	84	49-136	11/19/2009 0753
1,2,4-Trichlorobenzene	ND	44	9.6	N	1	22	34-145	11/19/2009 0753
1,1,2-Trichloroethane	ND	44	38		1	87	55-128	11/19/2009 0753
1,1,1-Trichloroethane	ND	44	42		1	96	63-128	11/19/2009 0753

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: KK07012-004MS

Matrix: Solid

Batch: 22074

Prep Method: 5035

Analytical Method: 8260B

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	ND	44	37		1	85	62-126	11/19/2009 0753
Trichlorofluoromethane	ND	44	47		1	106	45-138	11/19/2009 0753
Vinyl chloride	ND	44	57		1	129	42-132	11/19/2009 0753
Xylenes (total)	ND	88	66		1	75	58-128	11/19/2009 0753
Surrogate	Q	% Rec	Acceptance Limit					
Bromofluorobenzene		71	47-138					
1,2-Dichloroethane-d4		81	53-142					
Toluene-d8		85	68-124					

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: KK07012-004MD

Matrix: Solid

Batch: 22074

Prep Method: 5035

Analytical Method: 8260B

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	ND	100	130		1	124	20	42-149	20	11/19/2009 0816
Benzene	ND	51	52	+	1	103	25	69-123	20	11/19/2009 0816
Bromodichloromethane	ND	51	44		1	86	9.7	69-121	20	11/19/2009 0816
Bromoform	ND	51	29	N	1	58	1.6	61-119	20	11/19/2009 0816
Bromomethane (Methyl bromide)	ND	51	58	+	1	114	27	35-144	20	11/19/2009 0816
2-Butanone (MEK)	ND	100	110	+	1	105	28	57-148	20	11/19/2009 0816
Carbon disulfide	ND	51	60	+	1	119	29	58-122	20	11/19/2009 0816
Carbon tetrachloride	ND	51	53	+	1	105	28	58-136	20	11/19/2009 0816
Chlorobenzene	ND	51	37		1	73	14	59-129	20	11/19/2009 0816
Chloroethane	ND	51	61	+	1	120	27	50-132	20	11/19/2009 0816
Chloroform	ND	51	48		1	94	18	71-125	20	11/19/2009 0816
Chloromethane (Methyl chloride)	ND	51	85	N,+	1	168	31	34-134	20	11/19/2009 0816
Cyclohexane	ND	51	48	+	1	95	33	53-139	20	11/19/2009 0816
1,2-Dibromo-3-chloropropane (DBCP)	ND	51	46	+	1	91	30	55-125	20	11/19/2009 0816
Dibromochloromethane	ND	51	35		1	68	1.3	66-119	20	11/19/2009 0816
1,2-Dibromoethane (EDB)	ND	51	39		1	78	7.1	74-124	20	11/19/2009 0816
1,4-Dichlorobenzene	ND	51	28		1	55	8.7	52-133	20	11/19/2009 0816
1,3-Dichlorobenzene	ND	51	29		1	57	9.7	51-134	20	11/19/2009 0816
1,2-Dichlorobenzene	2.3	51	28	N	1	52	17	57-131	20	11/19/2009 0816
Dichlorodifluoromethane	ND	51	92	N,+	1	180	42	10-157	20	11/19/2009 0816
1,2-Dichloroethane	ND	51	47		1	93	12	67-129	20	11/19/2009 0816
1,1-Dichloroethane	ND	51	52	+	1	103	23	71-127	20	11/19/2009 0816
trans-1,2-Dichloroethene	ND	51	53	+	1	103	25	68-131	20	11/19/2009 0816
cis-1,2-Dichloroethene	ND	51	47		1	93	17	70-122	20	11/19/2009 0816
1,1-Dichloroethene	ND	51	57	+	1	111	33	69-138	20	11/19/2009 0816
1,2-Dichloropropane	ND	51	48		1	94	17	72-124	20	11/19/2009 0816
trans-1,3-Dichloropropene	ND	51	40		1	79	3.9	70-124	20	11/19/2009 0816
cis-1,3-Dichloropropene	ND	51	42		1	83	10	70-126	20	11/19/2009 0816
Ethylbenzene	ND	51	42		1	83	19	59-128	20	11/19/2009 0816
2-Hexanone	1.5	100	100		1	100	20	54-137	20	11/19/2009 0816
Isopropylbenzene	ND	51	49		1	96	16	50-136	20	11/19/2009 0816
Methyl acetate	ND	51	79	N	1	155	14	59-137	20	11/19/2009 0816
Methyl tertiary butyl ether (MTBE)	ND	51	47		1	93	5.3	72-122	20	11/19/2009 0816
4-Methyl-2-pentanone	ND	100	110		1	106	20	60-134	20	11/19/2009 0816
Methylcyclohexane	ND	51	40	+	1	78	41	41-144	20	11/19/2009 0816
Methylene chloride	ND	51	46		1	90	13	77-129	20	11/19/2009 0816
Styrene	ND	51	32		1	63	11	54-136	20	11/19/2009 0816
1,1,2,2-Tetrachloroethane	ND	51	42		1	83	4.3	69-132	20	11/19/2009 0816
Tetrachloroethene	ND	51	43	+	1	85	24	70-130	20	11/19/2009 0816
Toluene	ND	51	47	+	1	93	23	61-129	20	11/19/2009 0816
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	52	+	1	102	34	49-136	20	11/19/2009 0816
1,2,4-Trichlorobenzene	ND	51	12	N,+	1	24	23	34-145	20	11/19/2009 0816
1,1,2-Trichloroethane	ND	51	42		1	83	8.8	55-128	20	11/19/2009 0816
1,1,1-Trichloroethane	ND	51	56	+	1	110	27	63-128	20	11/19/2009 0816

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: KK07012-004MD

Matrix: Solid

Batch: 22074

Prep Method: 5035

Analytical Method: 8260B

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	ND	51	48	+	1	95	25	62-126	20	11/19/2009 0816
Trichlorofluoromethane	ND	51	64	+	1	127	32	45-138	20	11/19/2009 0816
Vinyl chloride	ND	51	83	N, +	1	164	37	42-132	20	11/19/2009 0816
Xylenes (total)	ND	100	81		1	80	20	58-128	20	11/19/2009 0816
Surrogate	Q	% Rec	Acceptance Limit							
Bromofluorobenzene		82	47-138							
1,2-Dichloroethane-d4		96	53-142							
Toluene-d8		94	68-124							

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Pesticides - MB

Sample ID: KQ21616-001

Matrix: Solid

Batch: 21616

Prep Method: 1311/3520C

Analytical Method: 8081B

Prep Date: 11/13/2009 6

Leachate Date: 11/10/2009 1555

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Chlordane	0.00	J	1	0.0025	0.00	mg/L	11/17/2009 2229
Endrin	0.00	J	1	0.00050	0.00	mg/L	11/17/2009 2229
gamma-BHC (Lindane)	0.00	J	1	0.00050	0.00	mg/L	11/17/2009 2229
Heptachlor	0.00	J	1	0.00050	0.00	mg/L	11/17/2009 2229
Heptachlor epoxide	0.00	J	1	0.00050	0.00	mg/L	11/17/2009 2229
Methoxychlor	0.00	J	1	0.0020	0.00	mg/L	11/17/2009 2229
Toxaphene	0.00	J	1	0.0050	0.00	mg/L	11/17/2009 2229
Surrogate	Q	% Rec	Acceptance Limit				
Decachlorobiphenyl		90	49-124				
Tetrachloro-m-xylene		90	58-122				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Pesticides - LCS

Sample ID: KQ21616-002

Matrix: Solid

Batch: 21616

Prep Method: 1311/3520C

Analytical Method: 8081B

Prep Date: 11/13/2009 6

Leachate Date: 11/10/2009 1555

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Endrin	0.0080	0.010		1	129	70-130	11/17/2009 2244
gamma-BHC (Lindane)	0.0080	0.0097		1	121	70-130	11/17/2009 2244
Heptachlor	0.0080	0.0091		1	114	70-130	11/17/2009 2244
Heptachlor epoxide	0.0080	0.0087		1	109	70-130	11/17/2009 2244
Methoxychlor	0.0080	0.0088		1	110	70-130	11/17/2009 2244
Surrogate	Q	% Rec	Acceptance Limit				
Decachlorobiphenyl		82	49-124				
Tetrachloro-m-xylene		86	58-122				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Pesticides - MS

Sample ID: KK07012-006MS

Matrix: Solid

Batch: 21616

Prep Method: 1311/3520C

Analytical Method: 8081B

Prep Date: 11/13/2009 6

Leachate Date: 11/10/2009 1555

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
gamma-BHC (Lindane)	ND	0.010	0.0076	P	1	95	70-130	11/18/2009 0002
Endrin	ND	0.010	0.0080		1	100	70-130	11/18/2009 0002
Heptachlor	ND	0.010	0.0081		1	101	70-130	11/18/2009 0002
Heptachlor epoxide	ND	0.010	0.0070		1	88	70-130	11/18/2009 0002
Methoxychlor	ND	0.010	0.0096		1	120	70-130	11/18/2009 0002
Surrogate	Q	% Rec	Acceptance Limit					
Decachlorobiphenyl		94	49-124					
Tetrachloro-m-xylene		87	58-122					

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - MB

Sample ID: KQ21759-001

Matrix: Solid

Batch: 21759

Prep Method: 3550C

Analytical Method: 8081B

Prep Date: 11/16/2009 1109

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
4,4'-DDD	ND		1	1.7	0.25	ug/kg	11/17/2009 1507
4,4'-DDE	ND		1	1.7	0.32	ug/kg	11/17/2009 1507
4,4'-DDT	ND		1	1.7	0.28	ug/kg	11/17/2009 1507
Aldrin	ND		1	1.7	0.34	ug/kg	11/17/2009 1507
alpha-BHC	ND		1	1.7	0.39	ug/kg	11/17/2009 1507
alpha-Chlordane	ND		1	1.7	0.29	ug/kg	11/17/2009 1507
beta-BHC	ND		1	1.7	0.30	ug/kg	11/17/2009 1507
delta-BHC	ND		1	1.7	0.32	ug/kg	11/17/2009 1507
Dieldrin	ND		1	1.7	0.33	ug/kg	11/17/2009 1507
Endosulfan I	ND		1	1.7	0.34	ug/kg	11/17/2009 1507
Endosulfan II	ND		1	1.7	0.25	ug/kg	11/17/2009 1507
Endosulfan sulfate	ND		1	1.7	0.23	ug/kg	11/17/2009 1507
Endrin	ND		1	1.7	0.33	ug/kg	11/17/2009 1507
Endrin aldehyde	ND		1	1.7	0.30	ug/kg	11/17/2009 1507
Endrin ketone	ND		1	1.7	0.22	ug/kg	11/17/2009 1507
gamma-BHC (Lindane)	ND		1	1.7	0.36	ug/kg	11/17/2009 1507
gamma-Chlordane	ND		1	1.7	0.24	ug/kg	11/17/2009 1507
Heptachlor	ND		1	1.7	0.39	ug/kg	11/17/2009 1507
Heptachlor epoxide	ND		1	1.7	0.31	ug/kg	11/17/2009 1507
Methoxychlor	ND		1	6.7	1.3	ug/kg	11/17/2009 1507
Toxaphene	ND		1	83	9.1	ug/kg	11/17/2009 1507
Surrogate	Q	% Rec	Acceptance Limit				
Decachlorobiphenyl		100	58-123				
Tetrachloro-m-xylene		89	51-103				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - LCS

Sample ID: KQ21759-002

Matrix: Solid

Batch: 21759

Prep Method: 3550C

Analytical Method: 8081B

Prep Date: 11/16/2009 1109

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
4,4'-DDD	17	20		1	116	50-130	11/17/2009 1523
4,4'-DDE	17	17		1	98	50-130	11/17/2009 1523
4,4'-DDT	17	20		1	115	50-130	11/17/2009 1523
Aldrin	17	17		1	99	50-130	11/17/2009 1523
alpha-BHC	17	19		1	115	50-130	11/17/2009 1523
alpha-Chlordane	17	17		1	97	50-130	11/17/2009 1523
beta-BHC	17	18		1	103	50-130	11/17/2009 1523
delta-BHC	17	20		1	117	50-130	11/17/2009 1523
Dieldrin	17	18		1	105	50-130	11/17/2009 1523
Endosulfan I	17	17		1	101	50-130	11/17/2009 1523
Endosulfan II	17	19		1	113	50-130	11/17/2009 1523
Endosulfan sulfate	17	18		1	104	50-130	11/17/2009 1523
Endrin	17	19		1	111	50-130	11/17/2009 1523
Endrin aldehyde	17	17		1	103	50-130	11/17/2009 1523
Endrin ketone	17	20		1	119	50-130	11/17/2009 1523
gamma-BHC (Lindane)	17	21		1	121	50-130	11/17/2009 1523
gamma-Chlordane	17	17		1	100	50-130	11/17/2009 1523
Heptachlor	17	18		1	106	50-130	11/17/2009 1523
Heptachlor epoxide	17	18		1	106	50-130	11/17/2009 1523
Methoxychlor	17	16		1	96	50-130	11/17/2009 1523
Surrogate	Q	% Rec	Acceptance Limit				
Decachlorobiphenyl		106	58-123				
Tetrachloro-m-xylene		94	51-103				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MB

Sample ID: KQ21329-001

Batch: 21329

Analytical Method: 6010C

Matrix: Solid

Prep Method: 3050B

Prep Date: 11/11/2009 2021

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Arsenic	ND		1	0.50	0.19	mg/kg	11/12/2009 1654
Barium	ND		1	1.3	0.091	mg/kg	11/12/2009 1654
Cadmium	ND		1	0.10	0.011	mg/kg	11/12/2009 1654
Chromium	ND		1	0.25	0.051	mg/kg	11/12/2009 1654
Lead	ND		1	0.50	0.093	mg/kg	11/12/2009 1654
Selenium	ND		1	0.50	0.17	mg/kg	11/12/2009 1654
Silver	ND		1	0.25	0.042	mg/kg	11/12/2009 1654

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCS

Sample ID: KQ21329-002

Matrix: Solid

Batch: 21329

Prep Method: 3050B

Analytical Method: 6010C

Prep Date: 11/11/2009 2021

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Arsenic	250	260		1	106	80-120	11/12/2009 1700
Barium	500	500		1	100	80-120	11/12/2009 1700
Cadmium	50	51		1	102	80-120	11/12/2009 1700
Chromium	250	230		1	93	80-120	11/12/2009 1700
Lead	250	260		1	106	80-120	11/12/2009 1700
Selenium	50	52		1	105	80-120	11/12/2009 1700
Silver	250	270		1	107	80-120	11/12/2009 1700

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCSD

Sample ID: KQ21329-003

Batch: 21329

Analytical Method: 6010C

Matrix: Solid

Prep Method: 3050B

Prep Date: 11/11/2009 2021

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Arsenic	250	270		1	107	1.6	80-120	20	11/12/2009 1706
Barium	500	510		1	102	2.2	80-120	20	11/12/2009 1706
Cadmium	50	52		1	104	1.7	80-120	20	11/12/2009 1706
Chromium	250	240		1	95	1.9	80-120	20	11/12/2009 1706
Lead	250	270		1	106	0.77	80-120	20	11/12/2009 1706
Selenium	50	52		1	105	0.14	80-120	20	11/12/2009 1706
Silver	250	270		1	109	1.9	80-120	20	11/12/2009 1706

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MS

Sample ID: KK07012-001MS

Matrix: Solid

Batch: 21329

Prep Method: 3050B

Analytical Method: 6010C

Prep Date: 11/11/2009 2021

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Arsenic	1.7	260	240		1	88	75-125	11/12/2009 1841
Barium	25	530	530		1	95	75-125	11/12/2009 1841
Cadmium	0.020	53	48		1	90	75-125	11/12/2009 1841
Chromium	8.6	260	240		1	87	75-125	11/12/2009 1841
Lead	6.8	260	260		1	94	75-125	11/12/2009 1841
Selenium	ND	53	46		1	86	75-125	11/12/2009 1841
Silver	ND	260	220		1	85	75-125	11/12/2009 1841

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MS

Sample ID: KK07012-004MS

Matrix: Solid

Batch: 21329

Prep Method: 3050B

Analytical Method: 6010C

Prep Date: 11/11/2009 2021

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Arsenic	0.48	300	280		1	93	75-125	11/12/2009 1916
Barium	6.3	600	600		1	99	75-125	11/12/2009 1916
Cadmium	ND	60	57		1	96	75-125	11/12/2009 1916
Chromium	2.2	300	280		1	92	75-125	11/12/2009 1916
Lead	3.2	300	300		1	99	75-125	11/12/2009 1916
Selenium	ND	60	55		1	91	75-125	11/12/2009 1916
Silver	ND	300	280		1	93	75-125	11/12/2009 2228

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MSD

Sample ID: KK07012-004MD

Matrix: Solid

Batch: 21329

Prep Method: 3050B

Analytical Method: 6010C

Prep Date: 11/11/2009 2021

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Arsenic	0.48	280	260		1	93	3.0	75-125	20	11/12/2009 1922
Barium	6.3	570	570		1	100	1.5	75-125	20	11/12/2009 1922
Cadmium	ND	57	55		1	97	1.8	75-125	20	11/12/2009 1922
Chromium	2.2	280	260		1	92	2.0	75-125	20	11/12/2009 1922
Lead	3.2	280	290		1	101	0.99	75-125	20	11/12/2009 1922
Selenium	ND	57	51		1	91	3.5	75-125	20	11/12/2009 1922
Silver	ND	280	280		1	99	3.9	75-125	20	11/12/2009 2234

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Metals - MB

Sample ID: KQ21486-001

Batch: 21486

Analytical Method: 6010C

Matrix: Solid

Prep Method: 1311/3010A

Prep Date: 11/11/2009 1900 Leachate Date: 11/10/2009 1555

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Arsenic	ND		10	0.10	0.023	mg/L	11/12/2009 1822
Barium	ND		10	0.25	0.023	mg/L	11/12/2009 1822
Cadmium	ND		10	0.020	0.0030	mg/L	11/12/2009 1822
Chromium	ND		10	0.050	0.014	mg/L	11/12/2009 1822
Lead	ND		10	0.10	0.017	mg/L	11/12/2009 1822
Selenium	ND		10	0.10	0.032	mg/L	11/12/2009 1822
Silver	ND		10	0.050	0.0090	mg/L	11/12/2009 1822

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Metals - LCS

Sample ID: KQ21486-002

Matrix: Solid

Batch: 21486

Prep Method: 1311/3010A

Analytical Method: 6010C

Prep Date: 11/11/2009 1900 Leachate Date: 11/10/2009 1555

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Arsenic	5.0	5.0		10	101	80-120	11/12/2009 1826
Barium	10	11		10	113	80-120	11/12/2009 1826
Cadmium	1.0	1.1		10	109	80-120	11/12/2009 1826
Chromium	5.0	5.3		10	105	80-120	11/12/2009 1826
Lead	5.0	5.4		10	107	80-120	11/12/2009 1826
Selenium	1.0	1.1		10	107	80-120	11/12/2009 1826
Silver	5.0	5.3		10	106	80-120	11/12/2009 1826

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Metals - LCSD

Sample ID: KQ21486-003

Matrix: Solid

Batch: 21486

Prep Method: 1311/3010A

Analytical Method: 6010C

Prep Date: 11/11/2009 1900 Leachate Date: 11/10/2009 1555

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Arsenic	5.0	5.1		10	101	0.79	80-120	20	11/12/2009 1830
Barium	10	11		10	110	2.9	80-120	20	11/12/2009 1830
Cadmium	1.0	1.1		10	109	0.15	80-120	20	11/12/2009 1830
Chromium	5.0	5.2		10	104	1.4	80-120	20	11/12/2009 1830
Lead	5.0	5.3		10	106	1.6	80-120	20	11/12/2009 1830
Selenium	1.0	1.0		10	102	5.3	80-120	20	11/12/2009 1830
Silver	5.0	5.4		10	108	2.0	80-120	20	11/12/2009 1830

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - MB

Sample ID: KQ21345-001

Batch: 21345

Analytical Method: 7471B

Matrix: Solid

Prep Method: 7471B

Prep Date: 11/10/2009 2040

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Mercury	ND		1	0.083	0.0059	mg/kg	11/10/2009 2144

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and $\geq$ MDL

N - Recovery is out of criteria

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - LCS

Sample ID: KQ21345-002

Batch: 21345

Analytical Method: 7471B

Matrix: Solid

Prep Method: 7471B

Prep Date: 11/10/2009 2040

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.83	0.86		1	103	85-115	11/10/2009 2146

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - LCSD

Sample ID: KQ21345-003

Matrix: Solid

Batch: 21345

Prep Method: 7471B

Analytical Method: 7471B

Prep Date: 11/10/2009 2040

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	0.83	0.87		1	104	0.97	85-115	20	11/10/2009 2148

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - MS

Sample ID: KK07012-004MS

Matrix: Solid

Batch: 21345

Prep Method: 7471B

Analytical Method: 7471B

Prep Date: 11/10/2009 2040

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.027	0.92	1.1		1	112	85-115	11/10/2009 2231

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - MSD

Sample ID: KK07012-004MD

Matrix: Solid

Batch: 21345

Prep Method: 7471B

Analytical Method: 7471B

Prep Date: 11/10/2009 2040

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	0.027	1.0	1.1		1	105	1.9	85-115	20	11/10/2009 2233

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Metals - MB

Sample ID: KQ21483-001

Batch: 21483

Analytical Method: 7470A

Matrix: Solid

Prep Method: 1311/7470A

Prep Date: 11/11/2009 1900 Leachate Date: 11/10/2009 1555

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Mercury	ND		1	0.00020	0.000032	mg/L	11/11/2009 2241

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Metals - LCS

Sample ID: KQ21483-002

Batch: 21483

Analytical Method: 7470A

Matrix: Solid

Prep Method: 1311/7470A

Prep Date: 11/11/2009 1900 Leachate Date: 11/10/2009 1555

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.0020	0.0018		1	91	85-115	11/11/2009 2243

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Metals - LCSD

Sample ID: KQ21483-003

Batch: 21483

Analytical Method: 7470A

Matrix: Solid

Prep Method: 1311/7470A

Prep Date: 11/11/2009 1900 Leachate Date: 11/10/2009 1555

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	0.0020	0.0020		1	100	9.4	85-115	20	11/11/2009 2251

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Chain of Custody Record

Number 100488

106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

ARCADIS 30 Patzwood Dr., Suite 155 Greenville, SC 29615		Report to Contact Andrew Davis Sample's Signature <i>Bobby Wolf</i> Printed Name Bobby Wolf		Telephone No. / Fax No. / E-mail (864) 987-3900 / (864) 987-1609 Quote No.	
Project Name FT. STEWART (HAA01)		Project No. G-P08HAFS-HU1B		Analysis (Attach list if more space is needed.) VOCs Metals PCBs TCAP VOCs TCAP Metals PCBs	
Address 30 Patzwood Dr., Suite 155		State SC		Lot No. KK07012	
City Greenville		Zip Code 29615		Remarks / Cooler I.D.	

Sample ID / Description	Date	Time	Matrix		No. of Containers by Preservative Type						VOCs	Metals	PCBs	TCAP VOCs	TCAP Metals	PCBs	
			Agarose	Soln	Acid	Formal	HNO3	H2SO4	NaOH	Acid							
HAA01 MW 14 (1'-2')	11/6/04	900	G	X			2					X	X				
HAA01 MW 14 (3'-4')	9/10		G	X			1					X	X				
HAA01 MW 12 (1'-2')	11/00		G	X			2					X	X				
HAG1 MW 12 (3'-4')	11/10		G	X			1					X	X				
HAG1 MW 12 (3'-4') MS	11/15		G	X			1					X	X				
HAG1 MW 12 (3'-4') MSD	11/20		G	X			1					X	X				
H-13-HAA01	11/15		G	X			3					X	X				
H-14-HAA01	11/25		G	X			3					X	X				
Trip Blank				X					2								

Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown		Sample Disposal ☐ Return to Client ☐ Disposal by Lab		Note: All samples are retained for six weeks from receipt unless other arrangements are made.	
Trip Around Time Required (Prior lab approval required for expedited TAT.) ☐ Standard ☐ Rush (Specify)		QC Requirements (Specify)			
1. Requisitioned by <i>Bobby Wolf</i>		1. Received by Date 11/7/04 Time 1027		Date Time	
2. Requisitioned by		2. Received by Date Time		Date Time	
3. Requisitioned by		3. Laboratory received by <i>Bobby Wolf</i>		Date 11/7/04 Time 1027	
Comments		LAB USE ONLY Received on ice (Circle) Yes No Ice Pack		Receipt Temp. 5.3 °C	

Document Number: FAD-012 Effective Date: 09-04-02

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 6

Page 1 of 1
Replaces Date: 09/22/06
Effective Date: 05/29/07

Sample Receipt Checklist (SRC)

Client: ARCADIS Cooler Inspected by/date: DMP / 7/11/09 Lot #: KK07012

Means of receipt: ☐ SESI ☒ Client ☐ UPS ☐ FedEx ☐ Airborne Exp ☐ Other		
Yes ☐ No ☒ NA ☐	1. Were custody seals present on the cooler?	
Yes ☐ No ☐ NA ☒	2. If custody seals were present, were they intact and unbroken?	
Cooler ID/temperature upon receipt: <u>53</u> / <u>1</u> °C <u>1</u> / <u>1</u> °C <u>1</u> / <u>1</u> °C <u>1</u> / <u>1</u> °C		
Method: ☐ Temperature Blank ☒ Against Bottles		
Method of coolant: ☒ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None		
If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.		
Yes ☐ No ☐ NA ☒	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other: _____ (For coolers received via commercial courier, PMs are to be notified immediately.)	
Yes ☐ No ☐ NA ☒	4. Is the commercial courier's packing slip attached to this form?	
Yes ☒ No ☐ NA ☐	5. Were proper custody procedures (relinquished/received) followed?	
Yes ☒ No ☐ NA ☐	6. Were sample IDs listed?	
Yes ☒ No ☐ NA ☐	7. Was collection date & time listed?	
Yes ☒ No ☐ NA ☐	8. Were tests to be performed listed on the COC or was quote # provided?	
Yes ☒ No ☐ NA ☐	9. Did all samples arrive in the proper containers for each test?	
Yes ☒ No ☐ NA ☐	10. Did all container label information (ID, date, time) agree with COC?	
Yes ☒ No ☐ NA ☐	11. Did all containers arrive in good condition (unbroken, lids on, etc.)?	
Yes ☒ No ☐ NA ☐	12. Was adequate sample volume available?	
Yes ☒ No ☐ NA ☐	13. Were all samples received within 1/2 the holding time or 48 hours, whichever comes first?	
Yes ☐ No ☒ NA ☐	14. Were any samples containers missing?	
Yes ☐ No ☒ NA ☐	15. Were there any excess samples not listed on COC?	
Yes ☐ No ☒ NA ☐	16. Were bubbles present > "pea-size" (1/4" or 6mm in diameter) in any VOA vials?	
Yes ☐ No ☐ NA ☒	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?	
Yes ☐ No ☐ NA ☒	18. Were all cyanide and/or sulfide samples received at a pH >12?	
Yes ☐ No ☐ NA ☒	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) and toxicity (<0.1mg/L) samples free of residual chlorine?	
Yes ☐ No ☐ NA ☒	20. Were collection temperatures documented on the COC for NC samples?	
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)		
Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H ₂ SO ₄ , HNO ₃ , HCl, NaOH) with the SR # (number) _____		
Sample(s) _____ were received with bubbles > 6 mm in diameter.		
Sample(s) _____ were received with TRC > 0.2 mg/L for NH3/TKN/cyanide/BNA/pest/PCB/herb.		
Toxicity sample(s) _____ were received with TRC > 0.1 mg/L and were analyzed by method 330.5.		

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐

SESI employee: _____

Comments: _____

Did client respond: Yes ☐ No ☐

Date of response: _____

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KK07012
HAA-01

Analytical data were evaluated in accordance with applicable USEPA SW-846 method requirements, "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review" (October 1999), analytical method control criteria, the analytical laboratory Quality Assurance Control Limits, the Fort Stewart Military Reservation and Hunter Army Airfield Quality Assurance Project Plan (ARCADIS-2008), and professional judgment.

The data review summarized in this report includes a review of all sample collection documentation and the electronic data validation of the analytical data housed in the project database. Sample collection documentation included sample collection logs and chains of custody. The electronic data validation was performed utilizing the EQUIS Data Qualification Module (DQM). DQM checks for the following parameters:

- √ Holding times and preservation;
- √ Blank contamination;
 - 1. Method blanks,
 - 2. Trip blanks,
 - 3. Equipment blanks;
- √ Matrix spike and Duplicate sample recovery;
- √ Matrix Spike and Matrix Spike Duplicate relative percent differences;
- √ Laboratory Control Sample and Duplicate recovery;
- √ Laboratory Control Sample and Duplicate relative percent differences;
- √ Surrogate recovery (organic analyses only); and
- √ Field duplicate relative percent difference.

Manual review was performed for the following items:

- √ Sample dilutions and reporting limits;
- √ Case Narratives; and
- √ Laboratory Duplicates

Data was generated by Shealy Environmental Services, Inc. – West Columbia, South Carolina. Data qualifiers were applied electronically to the database with any additional qualifiers added manually. A summary of the data as amended by data qualifiers is included with the original hard copy reports.

The attached table summarizes the data that were qualified due to QC deficiencies. The table indicates compounds/analytes qualified based on electronic and manual validation. Refer to the associated method section of the validation checklist for a detailed explanation of qualification. All other data in these SDGs are considered usable as reported.

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KK07012
HAA-01

The following list of data qualifiers and definitions were applied in accordance with qualification criteria defined in the above guidance documents:

- UB Compound/analyte detected in blank or associated blank, qualified as a non-detect at listed value.
- J The analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ The analyte was not detected above the reporting limit; however, the reported quantitation limit is approximate and may, or may not represent the actual limit of quantitation necessary to accurately and precisely measure analyte in the sample.
- R The sample result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria; and the presence or absence of the analyte cannot be verified.
- U Not detected at the quantitative reporting limit

DQM RUN BY:	Rachelle Borne	12/28/09
REVIEW PERFORMED BY:	Rachelle Borne	12/28/09
SIGNATURE:		12/31/09
PEER REVIEW:	Dennis Capria	01/04/10

**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KK07012
HAA-01**

The following samples were included in this SDG:

SDG	Sample ID	Sample Date	Parent Sample
KK07012	H-13-HAA01	11/6/2009	
KK07012	H-14-HAA01	11/6/2009	
KK07012	HA01MW12 (1-2)	11/6/2009	
KK07012	HA01MW14 (1-2)	11/6/2009	
KK07012	HA01MW14 (3-4)	11/6/2009	
KK07012	HA01MW12 (3-4)	11/6/2009	
KK07012	TRIP BLANK1(110709)	11/7/2009	

**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KK07012
HAA-01**

ANALYTICAL DATA PACKAGE DOCUMENTATION

GENERAL INFORMATION

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Methods of analysis		X		X	
4. Reporting limits of analysis		X		X	
5. Master tracking list		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preparation/extraction date		X		X	
9. Sample analysis date		X		X	
10. Copy of chain-of-custody form signed by lab sample custodian		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Laboratory Signature		X		X	
13. South Carolina Certification Number		X		X	

QA - quality assurance

The analytical report was complete with the following exceptions or notations.

Note: The laboratory reported values between the quantitative reporting limit and the method detection limit as estimated concentrations. The "J" qualifier was retained in this validation. Non-detect values are reported at the quantitative reporting limit.

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KK07012
HAA-01

VOLATILE ORGANIC COMPOUNDS and TCLP VOLATILE ORGANIC COMPOUNDS

Items Reviewed	DQM Deficiency		Qualification Applied	
	No	Yes	No	Yes
1. Holding times/Preservation	DQM		DQM	
2. Reporting limits	M		M	
3. Blanks				
A. Method blanks		DQM	DQM	
B. Equipment blanks	NA		NA	
C. Trip blanks		DQM	DQM	
4. Surrogate spike recoveries	DQM		DQM	
5. Laboratory control sample (LCS)	DQM		DQM	
A. LCS %R				
B. LCS duplicate (LCSD) %R		DQM		DQM
C. LCS/LCSD RPD		DQM		DQM
6. Matrix spike (MS)				
A. MS %R		DQM		DQM
B. MS duplicate (MSD) %R		DQM		DQM
C. MS/MSD precision (RPD)		DQM		DQM
7. Field Duplicate precision (RPD)	NA		NA	

M – Manual Review %R - percent recovery
Module

RPD - relative percent difference DQM – Data Qualification

Comments:

This section presents a discussion of any additions or changes to the electronic data validation for compounds analyzed by Method 8260.

- 3A. Acetone and carbon disulfide were detected in the method blank for batch 21834. The trip blank was the only sample analyzed in this analytical batch; therefore, qualification of the data is not warranted.
- 3C. Acetone and carbon disulfide were detected in the trip blank. The associated field samples were non-detect for carbon disulfide; therefore qualification is not warranted. The associated field samples are qualified as non-detect for acetone if the sample concentration is less than ten times the blank value.
- 5. The recovery of chloromethane was above the control limit in the LCSD for batch 22074. All detections of this compound in the associated field samples are qualified as estimated. The RPDs for several compounds were above the control limit. The associated field samples are qualified as estimated for these compounds. See the attached qualification summary for details of the qualifications.
- 6. HAO1MW12(3-4) was used for the MS/MSD. Several recoveries and RPDs were outside of the control limit. The parent sample only will be qualified as estimated for these deficiencies when applicable. See the attached qualification summary for details of the qualifications.

H-14-HAA01 was used for the MS/MSD for the TCLP fraction. The recoveries and RPDs were acceptable.

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KK07012
HAA-01

PESTICIDES and TCLP PESTICIDES

Items Reviewed	DQM Deficiency		Qualification Applied	
	No	Yes	No	Yes
1. Holding times/Preservation	DQM		DQM	
2. Reporting limits	M		M	
3. Blanks				
A. Method blanks	DQM		DQM	
B. Equipment blanks	NA		NA	
4. Surrogate spike recoveries	DQM		DQM	
5. Laboratory control sample (LCS)				
A. LCS %R	DQM		DQM	
B. LCS duplicate (LCSD) %R	NA		NA	
C. LCS/LCSD RPD	NA		NA	
6. Matrix spike (MS)				
A. MS %R	DQM		DQM	
B. MS duplicate (MSD) %R	DQM		DQM	
C. MS/MSD precision (RPD)	DQM		DQM	
7. Field Duplicate precision (RPD)	NA		NA	

M – Manual Review %R - percent recovery RPD - relative percent difference DQM – Data Qualification Module

Comments:

This section presents a discussion of any additions or changes to the electronic data validation for compounds analyzed by Method 8081.

Note: The %D between the two GC columns for the Dieldrin result for sample HA01MW14(1-2) was above 40% and was flagged with a “P” by the laboratory. The dieldrin result for this sample was less than the reporting limit; therefore the “P” will be changed to a “U” to indicate that the results is non-detect.

6. H-14-HAA01 was used as the MS/MSD for the TCLP fraction. The recoveries and RPDs were acceptable.

**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KK07012
HAA-01**

METALS and TCLP METALS

Items Reviewed	DQM Deficiency		Qualification Applied	
	No	Yes	No	Yes
1. Holding times/Preservation	DQM		DQM	
2. Reporting limits	M		M	
3. Blanks				
A. Method blanks	DQM		DQM	
B. Equipment blanks	NA		NA	
4. Laboratory control sample (LCS)				
A. LCS %R	DQM		DQM	
B. LCS duplicate (LCSD) %R	DQM		DQM	
C. LCS/LCSD RPD	DQM		DQM	
5. Matrix spike (MS)				
A. MS %R	DQM		DQM	
B. MS duplicate (MSD) %R	DQM		DQM	
C. MS/MSD precision (RPD)	DQM		DQM	
6. Field Duplicate precision (RPD)	NA		NA	

M – Manual Review %R - percent recovery RPD - relative percent difference DQM – Data Qualification Module

Comments:

This section presents a discussion of any additions or changes to the electronic data validation for compounds analyzed by Methods 6010C and 7471B.

6. HAO1MW12(3-4) was used as the MS/MSD for mercury and metals. The recoveries and RPDs were acceptable.

HAO1MW14 was used as the MS for metals. The recoveries were acceptable.

Report of Analysis

ARCADIS U.S., Inc.
30 Patewood Drive
Suite 155
Greenville, SC 29615
Attention: Janet Christy

Project Name: Fort Stewart (HAA01)

Project Number: GP08HAFS.H01B

Lot Number: KK16021

Date Completed: 12/01/2009

Date Revised: 12/22/2009



Nisreen Saikaly
Project Manager



This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

* KK16021 *

SHEALY ENVIRONMENTAL SERVICES, INC.

SC DHEC No: 32010

NELAC No: E87653

NC DEHNR No: 329

Case Narrative

ARCADIS U.S., Inc.

Lot Number: KK16021

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

SHEALY ENVIRONMENTAL SERVICES, INC.

Sample Summary ARCADIS U.S., Inc. Lot Number: KK16021

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	HA01MW10 (1'-2')	Solid	11/09/2009 1425	11/16/2009
002	HA01MW10 (3'-4')	Solid	11/09/2009 1520	11/16/2009
003	HA01MW11 (1'-2')	Solid	11/09/2009 1642	11/16/2009
004	HA01MW11 (2'-3')	Solid	11/09/2009 1700	11/16/2009
005	HA01MW13 (1'-2')	Solid	11/10/2009 1000	11/16/2009
006	HA01MW13 (4'-5')	Solid	11/09/2009 1035	11/16/2009
007	DI (110909)	Solid	11/09/2009	11/16/2009
008	HA01SB001 (8'-10')	Solid	11/10/2009 1105	11/16/2009

(8 samples)

SHEALY ENVIRONMENTAL SERVICES, INC.

Executive Summary

ARCADIS U.S., Inc.

Lot Number: KK16021

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	HA01MW10 (1'-2')	Solid	Mercury	7471B	0.035	J	mg/kg	9
001	HA01MW10 (1'-2')	Solid	Arsenic	6010C	1.0		mg/kg	10
001	HA01MW10 (1'-2')	Solid	Barium	6010C	10		mg/kg	10
001	HA01MW10 (1'-2')	Solid	Chromium	6010C	2.0	B	mg/kg	10
001	HA01MW10 (1'-2')	Solid	Lead	6010C	6.0	B	mg/kg	10
002	HA01MW10 (3'-4')	Solid	Isopropylbenzene	8260B	8.4		ug/kg	11
002	HA01MW10 (3'-4')	Solid	Mercury	7471B	0.027	J	mg/kg	13
002	HA01MW10 (3'-4')	Solid	Arsenic	6010C	0.47	J	mg/kg	14
002	HA01MW10 (3'-4')	Solid	Barium	6010C	8.7		mg/kg	14
002	HA01MW10 (3'-4')	Solid	Chromium	6010C	2.3	B	mg/kg	14
002	HA01MW10 (3'-4')	Solid	Lead	6010C	2.2	B	mg/kg	14
002	HA01MW10 (3'-4')	Solid	Selenium	6010C	0.23	J	mg/kg	14
003	HA01MW11 (1'-2')	Solid	Mercury	7471B	0.025	J	mg/kg	18
003	HA01MW11 (1'-2')	Solid	Arsenic	6010C	0.30	J	mg/kg	19
003	HA01MW11 (1'-2')	Solid	Barium	6010C	8.2		mg/kg	19
003	HA01MW11 (1'-2')	Solid	Chromium	6010C	3.2	B	mg/kg	19
003	HA01MW11 (1'-2')	Solid	Lead	6010C	4.5	B	mg/kg	19
003	HA01MW11 (1'-2')	Solid	Silver	6010C	0.095	J	mg/kg	19
004	HA01MW11 (2'-3')	Solid	Mercury	7471B	0.060	J	mg/kg	22
004	HA01MW11 (2'-3')	Solid	Arsenic	6010C	0.46	J	mg/kg	23
004	HA01MW11 (2'-3')	Solid	Barium	6010C	13		mg/kg	23
004	HA01MW11 (2'-3')	Solid	Chromium	6010C	6.0	B	mg/kg	23
004	HA01MW11 (2'-3')	Solid	Lead	6010C	6.5	B	mg/kg	23
004	HA01MW11 (2'-3')	Solid	Silver	6010C	0.22	J	mg/kg	23
005	HA01MW13 (1'-2')	Solid	Arsenic	6010C	0.25	J	mg/kg	28
005	HA01MW13 (1'-2')	Solid	Barium	6010C	2.4		mg/kg	28
005	HA01MW13 (1'-2')	Solid	Chromium	6010C	0.91	B	mg/kg	28
005	HA01MW13 (1'-2')	Solid	Lead	6010C	2.1	B	mg/kg	28
006	HA01MW13 (4'-5')	Solid	Carbon tetrachloride	8260B	4.6	J	ug/kg	29
006	HA01MW13 (4'-5')	Solid	Mercury	7471B	0.042	J	mg/kg	31
006	HA01MW13 (4'-5')	Solid	Arsenic	6010C	0.29	J	mg/kg	32
006	HA01MW13 (4'-5')	Solid	Barium	6010C	23		mg/kg	32
006	HA01MW13 (4'-5')	Solid	Chromium	6010C	9.9	B	mg/kg	32
006	HA01MW13 (4'-5')	Solid	Lead	6010C	5.2	B	mg/kg	32
007	DI (110909)	Solid	Mercury	7471B	0.047	J	mg/kg	35
007	DI (110909)	Solid	Arsenic	6010C	0.48	J	mg/kg	36
007	DI (110909)	Solid	Barium	6010C	15		mg/kg	36
007	DI (110909)	Solid	Chromium	6010C	6.1	B	mg/kg	36
007	DI (110909)	Solid	Lead	6010C	8.5	B	mg/kg	36
007	DI (110909)	Solid	Selenium	6010C	0.38	J	mg/kg	36
007	DI (110909)	Solid	Silver	6010C	0.24	J	mg/kg	36
008	HA01SB001 (8'-10')	Solid	Arsenic	6010C	2.3		mg/kg	39
008	HA01SB001 (8'-10')	Solid	Barium	6010C	20		mg/kg	39
008	HA01SB001 (8'-10')	Solid	Chromium	6010C	6.9	B	mg/kg	39
008	HA01SB001 (8'-10')	Solid	Lead	6010C	4.2	B	mg/kg	39

Executive Summary (Continued)

Lot Number: KK16021

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
(45 detections)								

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.		Laboratory ID: KK16021-001	
Description: HA01MW10 (1'-2')		Matrix: Solid	
Date Sampled: 11/09/2009 1425		% Solids: 84.2 11/16/2009 1940	
Date Received: 11/16/2009			

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 11/19/2009 1712	Analyst DLB	Prep Date	Batch 22222	Sample Wt.(g) 3.39

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		35	12	ug/kg	1
Benzene	71-43-2	8260B	ND		8.8	1.9	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		8.8	3.0	ug/kg	1
Bromoform	75-25-2	8260B	ND		8.8	1.2	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		8.8	3.2	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		18	4.2	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		8.8	2.3	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		8.8	3.2	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		8.8	3.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		8.8	2.3	ug/kg	1
Chloroform	67-66-3	8260B	ND		8.8	1.5	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		8.8	1.8	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		8.8	1.2	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		8.8	2.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		8.8	3.0	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		8.8	1.5	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		8.8	3.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		8.8	3.0	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		8.8	3.0	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		8.8	2.8	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		8.8	1.3	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		8.8	1.8	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		8.8	3.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		8.8	1.3	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		8.8	2.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		8.8	1.6	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		8.8	1.2	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		8.8	1.4	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		8.8	3.0	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		18	2.3	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		8.8	1.4	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		8.8	1.2	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		8.8	0.70	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		18	2.6	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		8.8	1.1	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		8.8	4.6	ug/kg	1
Styrene	100-42-5	8260B	ND		8.8	1.9	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		8.8	0.82	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		8.8	4.0	ug/kg	1
Toluene	108-88-3	8260B	ND		8.8	3.0	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		8.8	3.7	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		8.8	3.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		8.8	1.5	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		8.8	1.4	ug/kg	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.		Laboratory ID: KK16021-001	
Description: HA01MW10 (1'-2')		Matrix: Solid	
Date Sampled: 11/09/2009 1425		% Solids: 84.2 11/16/2009 1940	
Date Received: 11/16/2009			

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 11/19/2009 1712	Analyst DLB	Prep Date	Batch 22222	Sample Wt.(g) 3.39	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		8.8	3.3	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		8.8	2.6	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		8.8	1.5	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		8.8	5.1	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		78	53-142
Bromofluorobenzene		66	47-138
Toluene-d8		85	68-124

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 7 of 59

Level 1 Report v2.1

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.		Laboratory ID: KK16021-001	
Description: HA01MW10 (1'-2')		Matrix: Solid	
Date Sampled: 11/09/2009 1425		% Solids: 84.2 11/16/2009 1940	
Date Received: 11/16/2009			

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8081B	1	12/01/2009 0226	ASB	11/23/2009 1635	22297

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		2.0	0.40	ug/kg	1
alpha-BHC	319-84-6	8081B	ND		2.0	0.46	ug/kg	1
beta-BHC	319-85-7	8081B	ND		2.0	0.36	ug/kg	1
delta-BHC	319-86-8	8081B	ND		2.0	0.38	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		2.0	0.43	ug/kg	1
alpha-Chlordane	5103-71-9	8081B	ND		2.0	0.34	ug/kg	1
gamma-Chlordane	5103-74-2	8081B	ND		2.0	0.28	ug/kg	1
4,4'-DDD	72-54-8	8081B	ND		2.0	0.30	ug/kg	1
4,4'-DDE	72-55-9	8081B	ND		2.0	0.38	ug/kg	1
4,4'-DDT	50-29-3	8081B	ND		2.0	0.33	ug/kg	1
Dieldrin	60-57-1	8081B	ND		2.0	0.39	ug/kg	1
Endosulfan I	959-98-8	8081B	ND		2.0	0.40	ug/kg	1
Endosulfan II	33213-65-9	8081B	ND		2.0	0.30	ug/kg	1
Endosulfan sulfate	1031-07-8	8081B	ND		2.0	0.27	ug/kg	1
Endrin	72-20-8	8081B	ND		2.0	0.39	ug/kg	1
Endrin aldehyde	7421-93-4	8081B	ND		2.0	0.36	ug/kg	1
Endrin ketone	53494-70-5	8081B	ND		2.0	0.26	ug/kg	1
Heptachlor	76-44-8	8081B	ND		2.0	0.46	ug/kg	1
Heptachlor epoxide	1024-57-3	8081B	ND		2.0	0.37	ug/kg	1
Methoxychlor	72-43-5	8081B	ND		7.9	1.6	ug/kg	1
Toxaphene	8001-35-2	8081B	ND		98	11	ug/kg	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
Decachlorobiphenyl		66	58-123					
Tetrachloro-m-xylene		58	51-103					

PQL = Practical quantitation limit	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL	J = Estimated result < PQL and ≥ MDL	P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"		N = Recovery is out of criteria H = Out of holding time

CVAA

Client: ARCADIS U.S., Inc.

Laboratory ID: KK16021-001

Description: HA01MW10 (1'-2')

Matrix: Solid

Date Sampled: 11/09/2009 1425

% Solids: 84.2 11/16/2009 1940

Date Received: 11/16/2009

Run 1	Prep Method	Analytical Method 7471B	Dilution 1	Analysis Date 11/21/2009 1815	Analyst BNW	Prep Date 11/21/2009 1630	Batch 21918

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7471B	0.035	J	0.098	0.0070	mg/kg	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 9 of 59

Level 1 Report v2.1

RCRA Metals

Client: ARCADIS U.S., Inc.

Laboratory ID: KK16021-001

Description: HA01MW10 (1'-2')

Matrix: Solid

Date Sampled: 11/09/2009 1425

% Solids: 84.2 11/16/2009 1940

Date Received: 11/16/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3050B	6010C	1	11/20/2009 1737	KJC	11/19/2009 1612	21917

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	1.0		0.58	0.22	mg/kg	1
Barium	7440-39-3	6010C	10		1.5	0.11	mg/kg	1
Cadmium	7440-43-9	6010C	ND		0.12	0.012	mg/kg	1
Chromium	7440-47-3	6010C	2.0	B	0.29	0.059	mg/kg	1
Lead	7439-92-1	6010C	6.0	B	0.58	0.11	mg/kg	1
Selenium	7782-49-2	6010C	ND		0.58	0.20	mg/kg	1
Silver	7440-22-4	6010C	ND		0.29	0.049	mg/kg	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.		Laboratory ID: KK16021-002	
Description: HA01MW10 (3'-4')		Matrix: Solid	
Date Sampled: 11/09/2009 1520		% Solids: 76.4 11/16/2009 1940	
Date Received: 11/16/2009			

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	11/19/2009 1743	DLB		22222	4.82

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		27	9.1	ug/kg	1
Benzene	71-43-2	8260B	ND		6.8	1.5	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.8	2.3	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.8	0.95	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.8	2.4	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		14	3.3	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.8	1.8	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.8	2.4	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.8	2.3	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.8	1.8	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.8	1.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.8	1.4	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.8	0.91	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.8	2.0	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.8	2.3	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.8	1.2	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.8	2.3	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.8	2.3	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.8	2.3	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.8	2.2	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.8	0.99	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.8	1.4	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.8	2.3	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.8	1.0	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.8	2.0	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.8	1.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.8	0.92	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.8	1.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.8	2.3	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		14	1.8	ug/kg	1
Isopropylbenzene	98-82-8	8260B	8.4		6.8	1.1	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.8	0.91	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.8	0.54	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		14	2.0	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.8	0.83	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.8	3.5	ug/kg	1
Styrene	100-42-5	8260B	ND		6.8	1.5	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.8	0.64	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.8	3.1	ug/kg	1
Toluene	108-88-3	8260B	ND		6.8	2.3	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.8	2.9	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.8	2.3	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.8	1.2	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.8	1.1	ug/kg	1

PQL = Practical quantitation limit	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL	J = Estimated result < PQL and ≥ MDL	P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"		N = Recovery is out of criteria H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.		Laboratory ID: KK16021-002	
Description: HA01MW10 (3'-4')		Matrix: Solid	
Date Sampled: 11/09/2009 1520		% Solids: 76.4 11/16/2009 1940	
Date Received: 11/16/2009			

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 11/19/2009 1743	Analyst DLB	Prep Date	Batch 22222	Sample Wt.(g) 4.82

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		6.8	2.6	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.8	2.0	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.8	1.2	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.8	3.9	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		79	53-142
Bromofluorobenzene		62	47-138
Toluene-d8		83	68-124

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

CVAA

Client: ARCADIS U.S., Inc.

Laboratory ID: KK16021-002

Description: HA01MW10 (3'-4')

Matrix: Solid

Date Sampled: 11/09/2009 1520

% Solids: 76.4 11/16/2009 1940

Date Received: 11/16/2009

Run 1	Prep Method	Analytical Method 7471B	Dilution 1	Analysis Date 11/21/2009 1819	Analyst BNW	Prep Date 11/21/2009 1630	Batch 21918

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7471B	0.027	J	0.10	0.0074	mg/kg	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

RCRA Metals

Client: ARCADIS U.S., Inc.

Laboratory ID: KK16021-002

Description: HA01MW10 (3'-4')

Matrix: Solid

Date Sampled: 11/09/2009 1520

% Solids: 76.4 11/16/2009 1940

Date Received: 11/16/2009

Run 1	Prep Method 3050B	Analytical Method 6010C	Dilution 1	Analysis Date 11/20/2009 1801	Analyst KJC	Prep Date 11/19/2009 1612	Batch 21917

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	0.47	J	0.65	0.24	mg/kg	1
Barium	7440-39-3	6010C	8.7		1.7	0.12	mg/kg	1
Cadmium	7440-43-9	6010C	ND		0.13	0.014	mg/kg	1
Chromium	7440-47-3	6010C	2.3	B	0.32	0.066	mg/kg	1
Lead	7439-92-1	6010C	2.2	B	0.65	0.12	mg/kg	1
Selenium	7782-49-2	6010C	0.23	J	0.65	0.23	mg/kg	1
Silver	7440-22-4	6010C	ND		0.32	0.055	mg/kg	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.		Laboratory ID: KK16021-003	
Description: HA01MW11 (1'-2')		Matrix: Solid	
Date Sampled: 11/09/2009 1642		% Solids: 80.0 11/16/2009 1940	
Date Received: 11/16/2009			

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	11/19/2009 1806	DLB		22222	4.68

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		27	9.0	ug/kg	1
Benzene	71-43-2	8260B	ND		6.7	1.5	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.7	2.3	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.7	0.94	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.7	2.4	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		13	3.2	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.7	1.7	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.7	2.4	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.7	2.3	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.7	1.7	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.7	1.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.7	1.3	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.7	0.90	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.7	2.0	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.7	2.3	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.7	1.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.7	2.3	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.7	2.3	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.7	2.3	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.7	2.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.7	0.98	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.7	1.3	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.7	2.3	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.7	1.0	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.7	2.0	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.7	1.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.7	0.91	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.7	1.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.7	2.3	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		13	1.7	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.7	1.1	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.7	0.90	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.7	0.53	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	2.0	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.7	0.81	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.7	3.5	ug/kg	1
Styrene	100-42-5	8260B	ND		6.7	1.5	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.7	0.63	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.7	3.1	ug/kg	1
Toluene	108-88-3	8260B	ND		6.7	2.3	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.7	2.8	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.7	2.3	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.7	1.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.7	1.1	ug/kg	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.	Laboratory ID: KK16021-003
Description: HA01MW11 (1'-2')	Matrix: Solid
Date Sampled: 11/09/2009 1642	% Solids: 80.0 11/16/2009 1940
Date Received: 11/16/2009	

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 11/19/2009 1806	Analyst DLB	Prep Date	Batch 22222	Sample Wt.(g) 4.68

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		6.7	2.5	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.7	2.0	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.7	1.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.7	3.9	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	53-142
Bromofluorobenzene		74	47-138
Toluene-d8		93	68-124

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.	Laboratory ID: KK16021-003
Description: HA01MW11 (1'-2')	Matrix: Solid
Date Sampled: 11/09/2009 1642	% Solids: 80.0 11/16/2009 1940
Date Received: 11/16/2009	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8081B	1	12/01/2009 0241	ASB	11/23/2009 1635	22297

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		2.0	0.40	ug/kg	1
alpha-BHC	319-84-6	8081B	ND		2.0	0.46	ug/kg	1
beta-BHC	319-85-7	8081B	ND		2.0	0.35	ug/kg	1
delta-BHC	319-86-8	8081B	ND		2.0	0.38	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		2.0	0.43	ug/kg	1
alpha-Chlordane	5103-71-9	8081B	ND		2.0	0.34	ug/kg	1
gamma-Chlordane	5103-74-2	8081B	ND		2.0	0.28	ug/kg	1
4,4'-DDD	72-54-8	8081B	ND		2.0	0.30	ug/kg	1
4,4'-DDE	72-55-9	8081B	ND		2.0	0.38	ug/kg	1
4,4'-DDT	50-29-3	8081B	ND		2.0	0.33	ug/kg	1
Dieldrin	60-57-1	8081B	ND		2.0	0.39	ug/kg	1
Endosulfan I	959-98-8	8081B	ND		2.0	0.40	ug/kg	1
Endosulfan II	33213-65-9	8081B	ND		2.0	0.30	ug/kg	1
Endosulfan sulfate	1031-07-8	8081B	ND		2.0	0.27	ug/kg	1
Endrin	72-20-8	8081B	ND		2.0	0.39	ug/kg	1
Endrin aldehyde	7421-93-4	8081B	ND		2.0	0.35	ug/kg	1
Endrin ketone	53494-70-5	8081B	ND		2.0	0.26	ug/kg	1
Heptachlor	76-44-8	8081B	ND		2.0	0.46	ug/kg	1
Heptachlor epoxide	1024-57-3	8081B	ND		2.0	0.37	ug/kg	1
Methoxychlor	72-43-5	8081B	ND		7.9	1.6	ug/kg	1
Toxaphene	8001-35-2	8081B	ND		98	11	ug/kg	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
Decachlorobiphenyl		89	58-123					
Tetrachloro-m-xylene		68	51-103					

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

CVAA

Client: ARCADIS U.S., Inc.

Laboratory ID: KK16021-003

Description: HA01MW11 (1'-2')

Matrix: Solid

Date Sampled: 11/09/2009 1642

% Solids: 80.0 11/16/2009 1940

Date Received: 11/16/2009

Run 1	Prep Method	Analytical Method 7471B	Dilution 1	Analysis Date 11/21/2009 1822	Analyst BNW	Prep Date 11/21/2009 1630	Batch 21918				
Parameter			CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Mercury			7439-97-6	7471B	0.025	J	0.099	0.0070	mg/kg	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

RCRA Metals

Client: ARCADIS U.S., Inc.	Laboratory ID: KK16021-003
Description: HA01MW11 (1'-2')	Matrix: Solid
Date Sampled: 11/09/2009 1642	% Solids: 80.0 11/16/2009 1940
Date Received: 11/16/2009	

Run 1	Prep Method 3050B	Analytical Method 6010C	Dilution 1	Analysis Date 11/20/2009 1807	Analyst KJC	Prep Date 11/19/2009 1612	Batch 21917

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	0.30	J	0.62	0.23	mg/kg	1
Barium	7440-39-3	6010C	8.2		1.6	0.11	mg/kg	1
Cadmium	7440-43-9	6010C	ND		0.12	0.013	mg/kg	1
Chromium	7440-47-3	6010C	3.2	B	0.31	0.063	mg/kg	1
Lead	7439-92-1	6010C	4.5	B	0.62	0.12	mg/kg	1
Selenium	7782-49-2	6010C	ND		0.62	0.22	mg/kg	1
Silver	7440-22-4	6010C	0.095	J	0.31	0.052	mg/kg	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.			Laboratory ID: KK16021-004		
Description: HA01MW11 (2-3')			Matrix: Solid		
Date Sampled: 11/09/2009 1700			% Solids: 77.1 11/16/2009 1940		
Date Received: 11/16/2009					

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	11/19/2009 1829	DLB		22222	5.55

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		23	7.8	ug/kg	1
Benzene	71-43-2	8260B	ND		5.8	1.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.8	2.0	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.8	0.82	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.8	2.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	2.8	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.8	1.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.8	2.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.8	2.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.8	1.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.8	0.97	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.8	1.2	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.8	0.79	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.8	1.8	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.8	2.0	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.8	0.99	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.8	2.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.8	2.0	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.8	2.0	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.8	1.9	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.8	0.85	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.8	1.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.8	2.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.8	0.89	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.8	1.8	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.8	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.8	0.79	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.8	0.96	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.8	2.0	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	1.5	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.8	0.94	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.8	0.78	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.8	0.47	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.8	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.8	0.71	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.8	3.0	ug/kg	1
Styrene	100-42-5	8260B	ND		5.8	1.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.8	0.55	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.8	2.7	ug/kg	1
Toluene	108-88-3	8260B	ND		5.8	2.0	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.8	2.5	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.8	2.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.8	0.99	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.8	0.92	ug/kg	1

PQL = Practical quantitation limit	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL	J = Estimated result < PQL and ≥ MDL	P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"		N = Recovery is out of criteria H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.			Laboratory ID: KK16021-004		
Description: HA01MW11 (2-3')			Matrix: Solid		
Date Sampled: 11/09/2009 1700			% Solids: 77.1 11/16/2009 1940		
Date Received: 11/16/2009					

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 11/19/2009 1829	Analyst DLB	Prep Date	Batch 22222	Sample Wt.(g) 5.55	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		5.8	2.2	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.8	1.8	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.8	1.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.8	3.4	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	53-142
Bromofluorobenzene		72	47-138
Toluene-d8		90	68-124

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

CVAA

Client: ARCADIS U.S., Inc.

Laboratory ID: KK16021-004

Description: HA01MW11 (2-3')

Matrix: Solid

Date Sampled: 11/09/2009 1700

% Solids: 77.1 11/16/2009 1940

Date Received: 11/16/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1		7471B	1	11/21/2009 1829	BNW	11/21/2009 1630	21918		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7471B	0.060	J	0.11	0.0076	mg/kg	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

RCRA Metals

Client: ARCADIS U.S., Inc.	Laboratory ID: KK16021-004
Description: HA01MW11 (2-3')	Matrix: Solid
Date Sampled: 11/09/2009 1700	% Solids: 77.1 11/16/2009 1940
Date Received: 11/16/2009	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3050B	6010C	1	11/20/2009 1813	KJC	11/19/2009 1612	21917

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	0.46	J	0.63	0.24	mg/kg	1
Barium	7440-39-3	6010C	13		1.6	0.11	mg/kg	1
Cadmium	7440-43-9	6010C	ND		0.13	0.013	mg/kg	1
Chromium	7440-47-3	6010C	6.0	B	0.31	0.064	mg/kg	1
Lead	7439-92-1	6010C	6.5	B	0.63	0.12	mg/kg	1
Selenium	7782-49-2	6010C	ND		0.63	0.22	mg/kg	1
Silver	7440-22-4	6010C	0.22	J	0.31	0.053	mg/kg	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.		Laboratory ID: KK16021-005	
Description: HA01MW13 (1'-2')		Matrix: Solid	
Date Sampled: 11/10/2009 1000		% Solids: 85.5 11/16/2009 1940	
Date Received: 11/16/2009			

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	11/19/2009 1851	DLB		22222	4.24

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		28	9.2	ug/kg	1
Benzene	71-43-2	8260B	ND		6.9	1.5	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.9	2.3	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.9	0.97	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.9	2.5	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		14	3.3	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.9	1.8	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.9	2.5	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.9	2.3	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.9	1.8	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.9	1.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.9	1.4	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.9	0.93	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.9	2.1	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.9	2.3	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.9	1.2	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.9	2.3	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.9	2.3	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.9	2.3	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.9	2.2	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.9	1.0	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.9	1.4	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.9	2.3	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.9	1.0	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.9	2.1	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.9	1.3	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.9	0.94	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.9	1.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.9	2.3	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		14	1.8	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.9	1.1	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.9	0.92	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.9	0.55	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		14	2.1	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.9	0.84	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.9	3.6	ug/kg	1
Styrene	100-42-5	8260B	ND		6.9	1.5	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.9	0.65	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.9	3.2	ug/kg	1
Toluene	108-88-3	8260B	ND		6.9	2.3	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.9	2.9	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.9	2.3	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.9	1.2	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.9	1.1	ug/kg	1

PQL = Practical quantitation limit	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL	J = Estimated result < PQL and ≥ MDL	P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"		N = Recovery is out of criteria
		H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.	Laboratory ID: KK16021-005
Description: HA01MW13 (1'-2')	Matrix: Solid
Date Sampled: 11/10/2009 1000	% Solids: 85.5 11/16/2009 1940
Date Received: 11/16/2009	

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 11/19/2009 1851	Analyst DLB	Prep Date	Batch 22222	Sample Wt.(g) 4.24

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		6.9	2.6	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.9	2.1	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.9	1.2	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.9	4.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	53-142
Bromofluorobenzene		96	47-138
Toluene-d8		98	68-124

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.	Laboratory ID: KK16021-005
Description: HA01MW13 (1'-2')	Matrix: Solid
Date Sampled: 11/10/2009 1000	% Solids: 85.5 11/16/2009 1940
Date Received: 11/16/2009	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8081B	1	12/01/2009 0257	ASB	11/23/2009 1635	22297

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		1.8	0.37	ug/kg	1
alpha-BHC	319-84-6	8081B	ND		1.8	0.42	ug/kg	1
beta-BHC	319-85-7	8081B	ND		1.8	0.32	ug/kg	1
delta-BHC	319-86-8	8081B	ND		1.8	0.34	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		1.8	0.39	ug/kg	1
alpha-Chlordane	5103-71-9	8081B	ND		1.8	0.31	ug/kg	1
gamma-Chlordane	5103-74-2	8081B	ND		1.8	0.26	ug/kg	1
4,4'-DDD	72-54-8	8081B	ND		1.8	0.27	ug/kg	1
4,4'-DDE	72-55-9	8081B	ND		1.8	0.34	ug/kg	1
4,4'-DDT	50-29-3	8081B	ND		1.8	0.30	ug/kg	1
Dieldrin	60-57-1	8081B	ND		1.8	0.36	ug/kg	1
Endosulfan I	959-98-8	8081B	ND		1.8	0.37	ug/kg	1
Endosulfan II	33213-65-9	8081B	ND		1.8	0.27	ug/kg	1
Endosulfan sulfate	1031-07-8	8081B	ND		1.8	0.25	ug/kg	1
Endrin	72-20-8	8081B	ND		1.8	0.36	ug/kg	1
Endrin aldehyde	7421-93-4	8081B	ND		1.8	0.32	ug/kg	1
Endrin ketone	53494-70-5	8081B	ND		1.8	0.24	ug/kg	1
Heptachlor	76-44-8	8081B	ND		1.8	0.42	ug/kg	1
Heptachlor epoxide	1024-57-3	8081B	ND		1.8	0.33	ug/kg	1
Methoxychlor	72-43-5	8081B	ND		7.2	1.4	ug/kg	1
Toxaphene	8001-35-2	8081B	ND		89	9.8	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		90	58-123
Tetrachloro-m-xylene		61	51-103

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

CVAA

Client: ARCADIS U.S., Inc.				Laboratory ID: KK16021-005			
Description: HA01MW13 (1'-2')				Matrix: Solid			
Date Sampled: 11/10/2009 1000				% Solids: 85.5 11/16/2009 1940			
Date Received: 11/16/2009							

Run 1	Prep Method	Analytical Method 7471B	Dilution 1	Analysis Date 11/21/2009 1831	Analyst BNW	Prep Date 11/21/2009 1630	Batch 21918			
Parameter			CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury			7439-97-6	7471B	ND		0.094	0.0067	mg/kg	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

RCRA Metals

Client: ARCADIS U.S., Inc.		Laboratory ID: KK16021-005	
Description: HA01MW13 (1'-2')		Matrix: Solid	
Date Sampled:11/10/2009 1000		% Solids: 85.5 11/16/2009 1940	
Date Received: 11/16/2009			

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3050B	6010C	1	11/20/2009 1819	KJC	11/19/2009 1612	21917

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	0.25	J	0.57	0.22	mg/kg	1
Barium	7440-39-3	6010C	2.4		1.5	0.10	mg/kg	1
Cadmium	7440-43-9	6010C	ND		0.11	0.012	mg/kg	1
Chromium	7440-47-3	6010C	0.91	B	0.29	0.058	mg/kg	1
Lead	7439-92-1	6010C	2.1	B	0.57	0.11	mg/kg	1
Selenium	7782-49-2	6010C	ND		0.57	0.20	mg/kg	1
Silver	7440-22-4	6010C	ND		0.29	0.048	mg/kg	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.					Laboratory ID: KK16021-006			
Description: HA01MW13 (4'-5')					Matrix: Solid			
Date Sampled: 11/09/2009 1035					% Solids: 87.8 11/16/2009 1940			
Date Received: 11/16/2009								

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 11/19/2009 2058	Analyst DLB	Prep Date	Batch 22222	Sample Wt.(g) 5.06

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		22	7.5	ug/kg	1
Benzene	71-43-2	8260B	ND		5.6	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.6	1.9	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.6	0.79	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.6	2.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.7	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.6	1.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	4.6	J	5.6	2.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.6	1.9	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.6	1.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.6	0.93	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.6	1.1	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.6	0.76	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.6	1.7	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.6	1.9	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.6	0.96	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.6	1.9	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.6	1.9	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.6	1.9	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.6	1.8	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.6	0.82	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.6	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.6	1.9	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.6	0.85	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.6	1.7	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.6	1.0	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.6	0.76	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.6	0.92	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.6	1.9	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.5	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.6	0.90	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.6	0.75	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.6	0.45	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.7	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.6	0.69	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.6	2.9	ug/kg	1
Styrene	100-42-5	8260B	ND		5.6	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.6	0.53	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.6	2.6	ug/kg	1
Toluene	108-88-3	8260B	ND		5.6	1.9	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.6	2.4	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.6	1.9	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.6	0.96	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.6	0.89	ug/kg	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.	Laboratory ID: KK16021-006
Description: HA01MW13 (4'-5')	Matrix: Solid
Date Sampled: 11/09/2009 1035	% Solids: 87.8 11/16/2009 1940
Date Received: 11/16/2009	

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 11/19/2009 2058	Analyst DLB	Prep Date	Batch 22222	Sample Wt.(g) 5.06

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		5.6	2.1	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.6	1.7	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.6	0.97	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.6	3.3	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	53-142
Bromofluorobenzene		98	47-138
Toluene-d8		100	68-124

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 30 of 59

Level 1 Report v2.1

CVAA

Client: ARCADIS U.S., Inc.

Laboratory ID: KK16021-006

Description: HA01MW13 (4'-5')

Matrix: Solid

Date Sampled: 11/09/2009 1035

% Solids: 87.8 11/16/2009 1940

Date Received: 11/16/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1		7471B	1	11/21/2009 1834	BNW	11/21/2009 1630	21918		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7471B	0.042	J	0.092	0.0066	mg/kg	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

RCRA Metals

Client: ARCADIS U.S., Inc.

Laboratory ID: KK16021-006

Description: HA01MW13 (4'-5')

Matrix: Solid

Date Sampled: 11/09/2009 1035

% Solids: 87.8 11/16/2009 1940

Date Received: 11/16/2009

Run 1	Prep Method 3050B	Analytical Method 6010C	Dilution 1	Analysis Date 11/20/2009 1825	Analyst KJC	Prep Date 11/19/2009 1612	Batch 21917

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	0.29	J	0.55	0.21	mg/kg	1
Barium	7440-39-3	6010C	23		1.4	0.10	mg/kg	1
Cadmium	7440-43-9	6010C	ND		0.11	0.012	mg/kg	1
Chromium	7440-47-3	6010C	9.9	B	0.28	0.056	mg/kg	1
Lead	7439-92-1	6010C	5.2	B	0.55	0.10	mg/kg	1
Selenium	7782-49-2	6010C	ND		0.55	0.19	mg/kg	1
Silver	7440-22-4	6010C	ND		0.28	0.046	mg/kg	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.					Laboratory ID: KK16021-007			
Description: DI (110909)					Matrix: Solid			
Date Sampled: 11/09/2009					% Solids: 77.8 11/16/2009 1940			
Date Received: 11/16/2009								

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	11/19/2009 2120	DLB		22222	6.33

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.8	ug/kg	1
Benzene	71-43-2	8260B	ND		5.1	1.1	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.1	1.7	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.1	0.71	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.1	1.8	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.4	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.1	1.3	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.1	1.8	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.1	1.7	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.1	1.3	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.1	0.84	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.1	1.0	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.1	0.68	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.1	1.5	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.1	1.7	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.1	0.86	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.1	1.7	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.1	1.7	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.1	1.7	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.1	1.6	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.1	0.74	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.1	1.0	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.1	1.7	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.1	0.77	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.1	1.5	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.1	0.92	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.1	0.69	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.1	0.83	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.1	1.7	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		10	1.3	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.1	0.81	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.1	0.68	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.1	0.41	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	1.5	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.1	0.62	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.1	2.6	ug/kg	1
Styrene	100-42-5	8260B	ND		5.1	1.1	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.1	0.48	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.1	2.3	ug/kg	1
Toluene	108-88-3	8260B	ND		5.1	1.7	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.1	2.1	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.1	1.7	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.1	0.86	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.1	0.80	ug/kg	1

PQL = Practical quantitation limit	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL	J = Estimated result < PQL and ≥ MDL	P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"		N = Recovery is out of criteria H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.		Laboratory ID: KK16021-007	
Description: DI (110909)		Matrix: Solid	
Date Sampled: 11/09/2009		% Solids: 77.8 11/16/2009 1940	
Date Received: 11/16/2009			

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 11/19/2009 2120	Analyst DLB	Prep Date	Batch 22222	Sample Wt.(g) 6.33

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		5.1	1.9	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.1	1.5	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.1	0.87	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.1	2.9	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	53-142
Bromofluorobenzene		73	47-138
Toluene-d8		89	68-124

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

CVAA

Client: ARCADIS U.S., Inc.

Laboratory ID: KK16021-007

Description: DI (110909)

Matrix: Solid

Date Sampled: 11/09/2009

% Solids: 77.8 11/16/2009 1940

Date Received: 11/16/2009

Run 1	Prep Method	Analytical Method 7471B	Dilution 1	Analysis Date 11/21/2009 1836	Analyst BNW	Prep Date 11/21/2009 1630	Batch 21918			
Parameter			CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury			7439-97-6	7471B	0.047	J	0.11	0.0076	mg/kg	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

RCRA Metals

Client: ARCADIS U.S., Inc.

Laboratory ID: KK16021-007

Description: DI (110909)

Matrix: Solid

Date Sampled: 11/09/2009

% Solids: 77.8 11/16/2009 1940

Date Received: 11/16/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3050B	6010C	1	11/20/2009 1831	KJC	11/19/2009 1612	21917

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	0.48	J	0.62	0.23	mg/kg	1
Barium	7440-39-3	6010C	15		1.6	0.11	mg/kg	1
Cadmium	7440-43-9	6010C	ND		0.12	0.013	mg/kg	1
Chromium	7440-47-3	6010C	6.1	B	0.31	0.063	mg/kg	1
Lead	7439-92-1	6010C	8.5	B	0.62	0.11	mg/kg	1
Selenium	7782-49-2	6010C	0.38	J	0.62	0.21	mg/kg	1
Silver	7440-22-4	6010C	0.24	J	0.31	0.052	mg/kg	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.		Laboratory ID: KK16021-008	
Description: HA01SB001 (8'-10')		Matrix: Solid	
Date Sampled: 11/10/2009 1105		% Solids: 84.9 11/16/2009 1940	
Date Received: 11/16/2009			

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 11/19/2009 2143	Analyst DLB	Prep Date	Batch 24134	Sample Wt.(g) 5.76

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		5.1	1.7	ug/kg	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
1,2-Dichloroethane-d4		88	53-142					
Bromofluorobenzene		86	47-138					
Toluene-d8		90	68-124					

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

H = Out of holding time

CVAA

Client: ARCADIS U.S., Inc.

Laboratory ID: KK16021-008

Description: HA01SB001 (8'-10')

Matrix: Solid

Date Sampled: 11/10/2009 1105

% Solids: 84.9 11/16/2009 1940

Date Received: 11/16/2009

Run 1	Prep Method	Analytical Method 7471B	Dilution 1	Analysis Date 11/21/2009 1839	Analyst BNW	Prep Date 11/21/2009 1630	Batch 21918

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7471B	ND		0.095	0.0068	mg/kg	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

RCRA Metals

Client: ARCADIS U.S., Inc.

Laboratory ID: KK16021-008

Description: HA01SB001 (8'-10')

Matrix: Solid

Date Sampled: 11/10/2009 1105

% Solids: 84.9 11/16/2009 1940

Date Received: 11/16/2009

Run 1	Prep Method 3050B	Analytical Method 6010C	Dilution 1	Analysis Date 11/20/2009 1837	Analyst KJC	Prep Date 11/19/2009 1612	Batch 21917

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	2.3		0.58	0.22	mg/kg	1
Barium	7440-39-3	6010C	20		1.5	0.10	mg/kg	1
Cadmium	7440-43-9	6010C	ND		0.12	0.012	mg/kg	1
Chromium	7440-47-3	6010C	6.9	B	0.29	0.058	mg/kg	1
Lead	7439-92-1	6010C	4.2	B	0.58	0.11	mg/kg	1
Selenium	7782-49-2	6010C	ND		0.58	0.20	mg/kg	1
Silver	7440-22-4	6010C	ND		0.29	0.048	mg/kg	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ22222-001

Matrix: Solid

Batch: 22222

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	11/19/2009 1521
Benzene	ND		1	5.0	1.1	ug/kg	11/19/2009 1521
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	11/19/2009 1521
Bromoform	ND		1	5.0	0.70	ug/kg	11/19/2009 1521
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	11/19/2009 1521
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	11/19/2009 1521
Carbon disulfide	ND		1	5.0	1.3	ug/kg	11/19/2009 1521
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	11/19/2009 1521
Chlorobenzene	ND		1	5.0	1.7	ug/kg	11/19/2009 1521
Chloroethane	ND		1	5.0	1.3	ug/kg	11/19/2009 1521
Chloroform	ND		1	5.0	0.83	ug/kg	11/19/2009 1521
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	11/19/2009 1521
Cyclohexane	ND		1	5.0	0.67	ug/kg	11/19/2009 1521
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	11/19/2009 1521
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	11/19/2009 1521
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	11/19/2009 1521
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	11/19/2009 1521
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	11/19/2009 1521
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	11/19/2009 1521
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	11/19/2009 1521
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	11/19/2009 1521
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	11/19/2009 1521
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	11/19/2009 1521
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	11/19/2009 1521
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	11/19/2009 1521
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	11/19/2009 1521
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	11/19/2009 1521
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	11/19/2009 1521
Ethylbenzene	ND		1	5.0	1.7	ug/kg	11/19/2009 1521
2-Hexanone	ND		1	10	1.3	ug/kg	11/19/2009 1521
Isopropylbenzene	ND		1	5.0	0.80	ug/kg	11/19/2009 1521
Methyl acetate	ND		1	5.0	0.67	ug/kg	11/19/2009 1521
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	11/19/2009 1521
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	11/19/2009 1521
Methylcyclohexane	ND		1	5.0	0.61	ug/kg	11/19/2009 1521
Methylene chloride	ND		1	5.0	2.6	ug/kg	11/19/2009 1521
Styrene	ND		1	5.0	1.1	ug/kg	11/19/2009 1521
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	11/19/2009 1521
Tetrachloroethene	ND		1	5.0	2.3	ug/kg	11/19/2009 1521
Toluene	ND		1	5.0	1.7	ug/kg	11/19/2009 1521
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	2.1	ug/kg	11/19/2009 1521
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	11/19/2009 1521
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	11/19/2009 1521
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	11/19/2009 1521

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ22222-001

Matrix: Solid

Batch: 22222

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	11/19/2009 1521
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	11/19/2009 1521
Vinyl chloride	ND		1	5.0	0.86	ug/kg	11/19/2009 1521
Xylenes (total)	ND		1	5.0	2.9	ug/kg	11/19/2009 1521
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		97	47-138				
1,2-Dichloroethane-d4		93	53-142				
Toluene-d8		99	68-124				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ22222-002

Matrix: Solid

Batch: 22222

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	80		1	80	42-149	11/19/2009 1350
Benzene	50	49		1	99	69-123	11/19/2009 1350
Bromodichloromethane	50	51		1	102	69-121	11/19/2009 1350
Bromoform	50	42		1	84	61-119	11/19/2009 1350
Bromomethane (Methyl bromide)	50	51		1	102	35-144	11/19/2009 1350
2-Butanone (MEK)	100	85		1	85	57-148	11/19/2009 1350
Carbon disulfide	50	55		1	109	58-122	11/19/2009 1350
Carbon tetrachloride	50	52		1	104	58-136	11/19/2009 1350
Chlorobenzene	50	47		1	94	59-129	11/19/2009 1350
Chloroethane	50	53		1	105	50-132	11/19/2009 1350
Chloroform	50	48		1	96	71-125	11/19/2009 1350
Chloromethane (Methyl chloride)	50	63		1	126	34-134	11/19/2009 1350
Cyclohexane	50	50		1	99	53-139	11/19/2009 1350
1,2-Dibromo-3-chloropropane (DBCP)	50	42		1	83	55-125	11/19/2009 1350
Dibromochloromethane	50	45		1	89	66-119	11/19/2009 1350
1,2-Dibromoethane (EDB)	50	43		1	87	74-124	11/19/2009 1350
1,4-Dichlorobenzene	50	45		1	90	52-133	11/19/2009 1350
1,3-Dichlorobenzene	50	46		1	91	51-134	11/19/2009 1350
1,2-Dichlorobenzene	50	44		1	89	57-131	11/19/2009 1350
Dichlorodifluoromethane	50	66		1	132	10-157	11/19/2009 1350
1,2-Dichloroethane	50	50		1	99	67-129	11/19/2009 1350
1,1-Dichloroethane	50	49		1	99	71-127	11/19/2009 1350
trans-1,2-Dichloroethene	50	49		1	98	68-131	11/19/2009 1350
cis-1,2-Dichloroethene	50	48		1	96	70-122	11/19/2009 1350
1,1-Dichloroethene	50	49		1	97	69-138	11/19/2009 1350
1,2-Dichloropropane	50	49		1	99	72-124	11/19/2009 1350
trans-1,3-Dichloropropene	50	49		1	97	70-124	11/19/2009 1350
cis-1,3-Dichloropropene	50	49		1	99	70-126	11/19/2009 1350
Ethylbenzene	50	50		1	99	59-128	11/19/2009 1350
2-Hexanone	100	86		1	86	54-137	11/19/2009 1350
Isopropylbenzene	50	48		1	96	50-136	11/19/2009 1350
Methyl acetate	50	46		1	92	59-137	11/19/2009 1350
Methyl tertiary butyl ether (MTBE)	50	49		1	97	72-122	11/19/2009 1350
4-Methyl-2-pentanone	100	91		1	91	60-134	11/19/2009 1350
Methylcyclohexane	50	51		1	102	41-144	11/19/2009 1350
Methylene chloride	50	47		1	94	77-129	11/19/2009 1350
Styrene	50	51		1	102	54-136	11/19/2009 1350
1,1,2,2-Tetrachloroethane	50	41		1	83	69-132	11/19/2009 1350
Tetrachloroethene	50	48		1	96	70-130	11/19/2009 1350
Toluene	50	50		1	99	61-129	11/19/2009 1350
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	48		1	96	49-136	11/19/2009 1350
1,2,4-Trichlorobenzene	50	44		1	88	34-145	11/19/2009 1350
1,1,2-Trichloroethane	50	45		1	90	55-128	11/19/2009 1350
1,1,1-Trichloroethane	50	51		1	103	63-128	11/19/2009 1350

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ22222-002

Matrix: Solid

Batch: 22222

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	48		1	96	62-126	11/19/2009 1350
Trichlorofluoromethane	50	56		1	112	45-138	11/19/2009 1350
Vinyl chloride	50	57		1	115	42-132	11/19/2009 1350
Xylenes (total)	100	99		1	99	58-128	11/19/2009 1350
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		95	47-138				
1,2-Dichloroethane-d4		86	53-142				
Toluene-d8		95	68-124				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ22222-003

Matrix: Solid

Batch: 22222

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	81		1	81	2.1	42-149	20	11/19/2009 1413
Benzene	50	50		1	100	1.2	69-123	20	11/19/2009 1413
Bromodichloromethane	50	51		1	103	1.0	69-121	20	11/19/2009 1413
Bromoform	50	43		1	85	1.2	61-119	20	11/19/2009 1413
Bromomethane (Methyl bromide)	50	50		1	99	2.6	35-144	20	11/19/2009 1413
2-Butanone (MEK)	100	88		1	88	3.8	57-148	20	11/19/2009 1413
Carbon disulfide	50	55		1	110	0.55	58-122	20	11/19/2009 1413
Carbon tetrachloride	50	53		1	106	1.9	58-136	20	11/19/2009 1413
Chlorobenzene	50	47		1	95	0.40	59-129	20	11/19/2009 1413
Chloroethane	50	52		1	104	0.79	50-132	20	11/19/2009 1413
Chloroform	50	49		1	99	2.5	71-125	20	11/19/2009 1413
Chloromethane (Methyl chloride)	50	63		1	127	0.29	34-134	20	11/19/2009 1413
Cyclohexane	50	51		1	103	3.3	53-139	20	11/19/2009 1413
1,2-Dibromo-3-chloropropane (DBCP)	50	45		1	91	8.6	55-125	20	11/19/2009 1413
Dibromochloromethane	50	45		1	89	0.28	66-119	20	11/19/2009 1413
1,2-Dibromoethane (EDB)	50	44		1	88	1.0	74-124	20	11/19/2009 1413
1,4-Dichlorobenzene	50	44		1	88	1.7	52-133	20	11/19/2009 1413
1,3-Dichlorobenzene	50	45		1	91	0.74	51-134	20	11/19/2009 1413
1,2-Dichlorobenzene	50	44		1	88	0.48	57-131	20	11/19/2009 1413
Dichlorodifluoromethane	50	66		1	131	0.44	10-157	20	11/19/2009 1413
1,2-Dichloroethane	50	50		1	101	1.7	67-129	20	11/19/2009 1413
1,1-Dichloroethane	50	50		1	100	1.4	71-127	20	11/19/2009 1413
trans-1,2-Dichloroethene	50	50		1	99	0.97	68-131	20	11/19/2009 1413
cis-1,2-Dichloroethene	50	49		1	98	2.1	70-122	20	11/19/2009 1413
1,1-Dichloroethene	50	49		1	98	0.86	69-138	20	11/19/2009 1413
1,2-Dichloropropane	50	50		1	100	1.6	72-124	20	11/19/2009 1413
trans-1,3-Dichloropropene	50	48		1	96	1.4	70-124	20	11/19/2009 1413
cis-1,3-Dichloropropene	50	50		1	101	2.1	70-126	20	11/19/2009 1413
Ethylbenzene	50	49		1	99	0.45	59-128	20	11/19/2009 1413
2-Hexanone	100	90		1	90	4.0	54-137	20	11/19/2009 1413
Isopropylbenzene	50	48		1	97	1.2	50-136	20	11/19/2009 1413
Methyl acetate	50	49		1	99	6.5	59-137	20	11/19/2009 1413
Methyl tertiary butyl ether (MTBE)	50	49		1	99	1.4	72-122	20	11/19/2009 1413
4-Methyl-2-pentanone	100	96		1	96	5.5	60-134	20	11/19/2009 1413
Methylcyclohexane	50	52		1	103	0.84	41-144	20	11/19/2009 1413
Methylene chloride	50	47		1	95	1.0	77-129	20	11/19/2009 1413
Styrene	50	51		1	102	0.057	54-136	20	11/19/2009 1413
1,1,2,2-Tetrachloroethane	50	43		1	85	2.8	69-132	20	11/19/2009 1413
Tetrachloroethene	50	48		1	96	0.69	70-130	20	11/19/2009 1413
Toluene	50	51		1	101	2.4	61-129	20	11/19/2009 1413
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	48		1	96	0.43	49-136	20	11/19/2009 1413
1,2,4-Trichlorobenzene	50	44		1	89	1.0	34-145	20	11/19/2009 1413
1,1,2-Trichloroethane	50	45		1	91	0.20	55-128	20	11/19/2009 1413
1,1,1-Trichloroethane	50	53		1	106	2.6	63-128	20	11/19/2009 1413

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ22222-003

Matrix: Solid

Batch: 22222

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	50		1	100	3.2	62-126	20	11/19/2009 1413
Trichlorofluoromethane	50	55		1	111	1.3	45-138	20	11/19/2009 1413
Vinyl chloride	50	60		1	119	3.5	42-132	20	11/19/2009 1413
Xylenes (total)	100	99		1	99	0.39	58-128	20	11/19/2009 1413
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		96	47-138						
1,2-Dichloroethane-d4		87	53-142						
Toluene-d8		98	68-124						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ24134-001

Matrix: Solid

Batch: 24134

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Toluene	ND		1	5.0	1.7	ug/kg	11/19/2009 1521
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		97	47-138				
1,2-Dichloroethane-d4		93	53-142				
Toluene-d8		99	68-124				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ24134-002

Matrix: Solid

Batch: 24134

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)		Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Toluene	50		50		1	99	61-129	11/19/2009 1350
Surrogate	Q	% Rec	Acceptance Limit					
Bromofluorobenzene		95	47-138					
1,2-Dichloroethane-d4		86	53-142					
Toluene-d8		95	68-124					

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ24134-003

Matrix: Solid

Batch: 24134

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Toluene	50	51		1	101	2.4	61-129	20	11/19/2009 1413
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		96	47-138						
1,2-Dichloroethane-d4		87	53-142						
Toluene-d8		98	68-124						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - MB

Sample ID: KQ22297-001

Matrix: Solid

Batch: 22297

Prep Method: 3550C

Analytical Method: 8081B

Prep Date: 11/23/2009 1635

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
4,4'-DDD	ND		1	1.7	0.25	ug/kg	12/01/2009 0155
4,4'-DDE	ND		1	1.7	0.32	ug/kg	12/01/2009 0155
4,4'-DDT	ND		1	1.7	0.28	ug/kg	12/01/2009 0155
Aldrin	ND		1	1.7	0.34	ug/kg	12/01/2009 0155
alpha-BHC	ND		1	1.7	0.39	ug/kg	12/01/2009 0155
alpha-Chlordane	ND		1	1.7	0.29	ug/kg	12/01/2009 0155
beta-BHC	ND		1	1.7	0.30	ug/kg	12/01/2009 0155
delta-BHC	ND		1	1.7	0.32	ug/kg	12/01/2009 0155
Dieldrin	ND		1	1.7	0.33	ug/kg	12/01/2009 0155
Endosulfan I	ND		1	1.7	0.34	ug/kg	12/01/2009 0155
Endosulfan II	ND		1	1.7	0.25	ug/kg	12/01/2009 0155
Endosulfan sulfate	ND		1	1.7	0.23	ug/kg	12/01/2009 0155
Endrin	ND		1	1.7	0.33	ug/kg	12/01/2009 0155
Endrin aldehyde	ND		1	1.7	0.30	ug/kg	12/01/2009 0155
Endrin ketone	ND		1	1.7	0.22	ug/kg	12/01/2009 0155
gamma-BHC (Lindane)	ND		1	1.7	0.36	ug/kg	12/01/2009 0155
gamma-Chlordane	ND		1	1.7	0.24	ug/kg	12/01/2009 0155
Heptachlor	ND		1	1.7	0.39	ug/kg	12/01/2009 0155
Heptachlor epoxide	ND		1	1.7	0.31	ug/kg	12/01/2009 0155
Methoxychlor	ND		1	6.7	1.3	ug/kg	12/01/2009 0155
Toxaphene	ND		1	83	9.1	ug/kg	12/01/2009 0155
Surrogate	Q	% Rec	Acceptance Limit				
Decachlorobiphenyl		106	58-123				
Tetrachloro-m-xylene		90	51-103				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - LCS

Sample ID: KQ22297-002

Matrix: Solid

Batch: 22297

Prep Method: 3550C

Analytical Method: 8081B

Prep Date: 11/23/2009 1635

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
4,4'-DDD	17	16		1	95	50-130	12/01/2009 0210
4,4'-DDE	17	16		1	92	50-130	12/01/2009 0210
4,4'-DDT	17	16		1	96	50-130	12/01/2009 0210
Aldrin	17	14		1	83	50-130	12/01/2009 0210
alpha-BHC	17	14		1	83	50-130	12/01/2009 0210
alpha-Chlordane	17	15		1	91	50-130	12/01/2009 0210
beta-BHC	17	13		1	78	50-130	12/01/2009 0210
delta-BHC	17	18		1	108	50-130	12/01/2009 0210
Dieldrin	17	16		1	94	50-130	12/01/2009 0210
Endosulfan I	17	15		1	88	50-130	12/01/2009 0210
Endosulfan II	17	17		1	100	50-130	12/01/2009 0210
Endosulfan sulfate	17	16		1	94	50-130	12/01/2009 0210
Endrin	17	16		1	93	50-130	12/01/2009 0210
Endrin aldehyde	17	18		1	103	50-130	12/01/2009 0210
Endrin ketone	17	16		1	97	50-130	12/01/2009 0210
gamma-BHC (Lindane)	17	14		1	85	50-130	12/01/2009 0210
gamma-Chlordane	17	17		1	102	50-130	12/01/2009 0210
Heptachlor	17	14		1	84	50-130	12/01/2009 0210
Heptachlor epoxide	17	14		1	85	50-130	12/01/2009 0210
Methoxychlor	17	15		1	89	50-130	12/01/2009 0210
Surrogate	Q	% Rec	Acceptance Limit				
Decachlorobiphenyl		105	58-123				
Tetrachloro-m-xylene		81	51-103				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MB

Sample ID: KQ21917-001

Batch: 21917

Analytical Method: 6010C

Matrix: Solid

Prep Method: 3050B

Prep Date: 11/19/2009 1612

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Arsenic	ND		1	0.50	0.19	mg/kg	11/20/2009 1650
Barium	ND		1	1.3	0.091	mg/kg	11/20/2009 1650
Cadmium	ND		1	0.10	0.011	mg/kg	11/20/2009 1650
Chromium	0.076	J	1	0.25	0.051	mg/kg	11/20/2009 1650
Lead	0.27	J	1	0.50	0.093	mg/kg	11/20/2009 1650
Selenium	ND		1	0.50	0.17	mg/kg	11/20/2009 1650
Silver	ND		1	0.25	0.042	mg/kg	11/20/2009 1650

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCS

Sample ID: KQ21917-002

Matrix: Solid

Batch: 21917

Prep Method: 3050B

Analytical Method: 6010C

Prep Date: 11/19/2009 1612

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Arsenic	250	230		1	94	80-120	11/20/2009 1656
Barium	500	480		1	96	80-120	11/20/2009 1656
Cadmium	50	47		1	95	80-120	11/20/2009 1656
Chromium	250	240		1	96	80-120	11/20/2009 1656
Lead	250	220		1	90	80-120	11/20/2009 1656
Selenium	50	50		1	100	80-120	11/20/2009 1656
Silver	250	240		1	98	80-120	11/20/2009 1656

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCSD

Sample ID: KQ21917-003

Matrix: Solid

Batch: 21917

Prep Method: 3050B

Analytical Method: 6010C

Prep Date: 11/19/2009 1612

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Arsenic	250	230		1	91	3.4	80-120	20	11/20/2009 1702
Barium	500	470		1	93	2.6	80-120	20	11/20/2009 1702
Cadmium	50	46		1	92	3.5	80-120	20	11/20/2009 1702
Chromium	250	230		1	93	3.3	80-120	20	11/20/2009 1702
Lead	250	220		1	86	3.6	80-120	20	11/20/2009 1702
Selenium	50	47		1	95	4.9	80-120	20	11/20/2009 1702
Silver	250	240		1	95	2.6	80-120	20	11/20/2009 1702

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MS

Sample ID: KK16021-001MS

Matrix: Solid

Batch: 21917

Prep Method: 3050B

Analytical Method: 6010C

Prep Date: 11/19/2009 1612

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Arsenic	1.0	300	270		1	92	75-125	11/20/2009 1743
Barium	10	590	570		1	94	75-125	11/20/2009 1743
Cadmium	ND	59	56		1	94	75-125	11/20/2009 1743
Chromium	2.0	300	280		1	96	75-125	11/20/2009 1743
Lead	6.0	300	270		1	88	75-125	11/20/2009 1743
Selenium	ND	59	58		1	98	75-125	11/20/2009 1743
Silver	ND	300	290		1	98	75-125	11/20/2009 1743

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - MB

Sample ID: KQ21918-001

Batch: 21918

Analytical Method: 7471B

Matrix: Solid

Prep Method: 7471B

Prep Date: 11/21/2009 1630

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Mercury	ND		1	0.083	0.0059	mg/kg	11/21/2009 1750

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - LCS

Sample ID: KQ21918-002

Batch: 21918

Analytical Method: 7471B

Matrix: Solid

Prep Method: 7471B

Prep Date: 11/21/2009 1630

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.83	0.83		1	99	85-115	11/21/2009 1752

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - LCSD

Sample ID: KQ21918-003

Matrix: Solid

Batch: 21918

Prep Method: 7471B

Analytical Method: 7471B

Prep Date: 11/21/2009 1630

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	0.83	0.82		1	98	1.0	85-115	20	11/21/2009 1759

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - MS

Sample ID: KK16021-001MS

Batch: 21918

Analytical Method: 7471B

Matrix: Solid

Prep Method: 7471B

Prep Date: 11/21/2009 1630

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.035	0.96	1.1		1	106	85-115	11/21/2009 1817

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

SHEALY ENVIRONMENTAL SERVICES, INC.

Number 100367

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AO-012 Effective Date: 06-04-02

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 6

Page 1 of 1
Replaces Date: 09/22/06
Effective Date: 05/29/07

Sample Receipt Checklist (SRC)

Client: Arcadis Cooler Inspected by/date: ea 11/14/11 Lot #: KK10021

Means of receipt: ☐ SESI ☒ Client ☐ UPS ☐ FedEx ☐ Airborne Exp ☐ Other		
Yes ☐	No ☒	NA ☐
1. Were custody seals present on the cooler?		
Yes ☐	No ☐	NA ☒
2. If custody seals were present, were they intact and unbroken?		
Cooler ID/temperature upon receipt: <u>578</u> °C <u>1</u> °C <u>1</u> °C <u>1</u> °C		
Method: ☐ Temperature Blank ☒ Against Bottles		
Method of coolant: ☒ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None		
If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.		
Yes ☐	No ☐	NA ☒
3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other: _____ (For coolers received via commercial courier, PMs are to be notified immediately.)		
Yes ☐	No ☐	NA ☒
4. Is the commercial courier's packing slip attached to this form?		
Yes ☒	No ☐	NA ☐
5. Were proper custody procedures (relinquished/received) followed?		
Yes ☒	No ☐	NA ☐
6. Were sample IDs listed?		
Yes ☒	No ☐	NA ☐
7. Was collection date & time listed?		
Yes ☒	No ☐	NA ☐
8. Were tests to be performed listed on the COC or was quote # provided?		
Yes ☒	No ☐	NA ☐
9. Did all samples arrive in the proper containers for each test?		
Yes ☒	No ☐	NA ☐
10. Did all container label information (ID, date, time) agree with COC?		
Yes ☒	No ☐	NA ☐
11. Did all containers arrive in good condition (unbroken, lids on, etc.)?		
Yes ☒	No ☐	NA ☐
12. Was adequate sample volume available?		
Yes ☒	No ☐	NA ☐
13. Were all samples received within 1/2 the holding time or 48 hours, whichever comes first?		
Yes ☐	No ☒	NA ☐
14. Were any samples containers missing?		
Yes ☐	No ☒	NA ☐
15. Were there any excess samples not listed on COC?		
Yes ☐	No ☒	NA ☐
16. Were bubbles present >"pea-size" (1/4" or 6mm in diameter) in any VOA vials?		
Yes ☐	No ☐	NA ☒
17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?		
Yes ☐	No ☐	NA ☒
18. Were all cyanide and/or sulfide samples received at a pH >12?		
Yes ☐	No ☐	NA ☒
19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) and toxicity (<0.1mg/L) samples free of residual chlorine?		
Yes ☐	No ☐	NA ☒
20. Were collection temperatures documented on the COC for NC samples?		
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)		
Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H ₂ SO ₄ , HNO ₃ , HCl, NaOH) with the SR # (number) _____		
Sample(s) _____ were received with bubbles >6 mm in diameter.		
Sample(s) _____ were received with TRC >0.2 mg/L for NH3/TKN/cyanide/BNA/pest/PCB/herb.		
Toxicity sample(s) _____ were received with TRC >0.1 mg/L and were analyzed by method 330.5.		

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐

SESI employee: _____

Comments: _____

Did client respond: Yes ☐ No ☐

Date of response: _____

**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KK16021
HAA-01**

Analytical data were evaluated in accordance with applicable USEPA SW-846 method requirements, "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review" (October 1999), "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review" (July 2002), analytical method control criteria, the analytical laboratory Quality Assurance Control Limits, the Fort Stewart Military Reservation and Hunter Army Airfield Quality Assurance Project Plan (ARCADIS-2008), and professional judgment.

The data review summarized in this report includes a review of all sample collection documentation and the electronic data validation of the analytical data housed in the project database. Sample collection documentation included sample collection logs and chains of custody. The electronic data validation was performed utilizing the EQUIS Data Qualification Module (DQM). DQM checks for the following parameters:

- √ Holding times and preservation;
- √ Blank contamination;
 - 1. Method blanks,
 - 2. Trip blanks,
 - 3. Equipment blanks;
- √ Matrix spike and Duplicate sample recovery;
- √ Matrix Spike and Matrix Spike Duplicate relative percent differences;
- √ Laboratory Control Sample and Duplicate recovery;
- √ Laboratory Control Sample and Duplicate relative percent differences;
- √ Surrogate recovery (organic analyses only); and
- √ Field duplicate relative percent difference.

Manual review was performed for the following items:

- √ Sample dilutions and reporting limits;
- √ Case Narratives; and
- √ Laboratory Duplicates

Data was generated by Shealy Environmental Services, Inc. – West Columbia, South Carolina. Data qualifiers were applied electronically to the database with any additional qualifiers added manually. A summary of the data as amended by data qualifiers is included with the original hard copy reports.

The attached table summarizes the data that were qualified due to QC deficiencies. The table indicates compounds/analytes qualified based on electronic and manual validation. Refer to the associated method section of the validation checklist for a detailed explanation of qualification. All other data in these SDGs are considered usable as reported.

**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KK16021
HAA-01**

The following list of data qualifiers and definitions were applied in accordance with qualification criteria defined in the above guidance documents:

- UB Compound/analyte detected in blank or associated blank, qualified as a non-detect at listed value.
- J The analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ The analyte was not detected above the reporting limit; however, the reported quantitation limit is approximate and may, or may not represent the actual limit of quantitation necessary to accurately and precisely measure analyte in the sample.
- R The sample result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria; and the presence or absence of the analyte cannot be verified.
- U Not detected at the quantitative reporting limit

DQM RUN BY:

Rachelle Borne

01/27/10

REVIEW PERFORMED BY:

Rachelle Borne

01/27/10

SIGNATURE:



01/29/10

PEER REVIEW:

Dennis Capria

2/2/10

**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KK16021
HAA-01**

The following samples were included in this SDG:

SDG	Sample ID	Sample Date	Parent Sample
KK16021	DI (110909)	11/9/2009	HA01MW11 (2-3')
KK16021	HA01MW10 (1'-2')	11/9/2009	
KK16021	HA01MW10 (3'-4')	11/9/2009	
KK16021	HA01MW11 (1'-2')	11/9/2009	
KK16021	HA01MW11 (2-3')	11/9/2009	
KK16021	HA01MW13 (1'-2')	11/10/2009	
KK16021	HA01MW13 (4'-5')	11/9/2009	
KK16021	HA01SB001 (8'-10')	11/10/2009	

**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KK16021
HAA-01**

ANALYTICAL DATA PACKAGE DOCUMENTATION

GENERAL INFORMATION

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Methods of analysis		X		X	
4. Reporting limits of analysis		X		X	
5. Master tracking list		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preparation/extraction date		X		X	
9. Sample analysis date		X		X	
10. Copy of chain-of-custody form signed by lab sample custodian		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Laboratory Signature		X		X	
13. South Carolina Certification Number		X		X	

QA - quality assurance

The analytical report was complete with the following exceptions or notations.

Note: The laboratory reported values between the quantitative reporting limit and the method detection limit as estimated concentrations. The "J" qualifier was retained in this validation. Non-detect values are reported at the quantitative reporting limit.

All soils were reported on a dry weight basis.

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KK16021
HAA-01

VOLATILE ORGANIC COMPOUNDS

Items Reviewed	DQM Deficiency		Qualification Applied	
	No	Yes	No	Yes
1. Holding times/Preservation	DQM		DQM	
2. Reporting limits	M		M	
3. Blanks				
A. Method blanks	DQM		DQM	
B. Equipment blanks	NA		NA	
C. Trip blanks	NA		NA	
4. Surrogate spike recoveries	DQM		DQM	
5. Laboratory control sample (LCS)				
A. LCS %R	DQM		DQM	
B. LCS duplicate (LCSD) %R	DQM		DQM	
C. LCS/LCSD RPD	DQM		DQM	
6. Matrix spike (MS)				
A. MS %R	NA		NA	
B. MS duplicate (MSD) %R	NA		NA	
C. MS/MSD precision (RPD)	NA		NA	
7. Field Duplicate precision (RPD)	DQM		DQM	

M – Manual Review %R - percent recovery
Module

RPD - relative percent difference DQM – Data Qualification

Comments:

This section presents a discussion of any additions or changes to the electronic data validation for compounds analyzed by Method 8260B.

7. Sample location DI(110909) was collected as a field duplicate of HA01MW-11(2-3). The RPDs were acceptable at non-detect.

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KK16021
HAA-01

ORGANOCHLORINE PESTICIDES

Items Reviewed	DQM Deficiency		Qualification Applied	
	No	Yes	No	Yes
1. Holding times/Preservation	DQM		DQM	
2. Reporting limits	M		M	
3. Blanks				
A. Method blanks	DQM		DQM	
B. Equipment blanks	NA		NA	
4. Surrogate spike recoveries	DQM		DQM	
5. Laboratory control sample (LCS)	DQM		DQM	
A. LCS %R				
B. LCS duplicate (LCSD) %R				
C. LCS/LCSD RPD				
6. Matrix spike (MS)				
A. MS %R	NA		NA	
B. MS duplicate (MSD) %R	NA		NA	
C. MS/MSD precision (RPD)	NA		NA	
7. Field Duplicate precision (RPD)	NA		NA	

M – Manual Review %R - percent recovery
Module

RPD - relative percent difference DQM – Data Qualification

Comments:

This section presents a discussion of any additions or changes to the electronic data validation for compounds analyzed by Method 8081B.

No qualification necessary.

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KK16021
HAA-01

METALS

Items Reviewed	DQM Deficiency		Qualification Applied	
	No	Yes	No	Yes
1. Holding times/Preservation	DQM		DQM	
2. Reporting limits	M		M	
3. Blanks				
A. Method blanks		DQM	DQM	
B. Equipment blanks	NA		NA	
4. Laboratory control sample (LCS)				
A. LCS %R	DQM		DQM	
B. LCS duplicate (LCSD) %R	DQM		DQM	
C. LCS/LCSD RPD	DQM		DQM	
5. Matrix spike (MS)				
A. MS %R	DQM		DQM	
B. MS duplicate (MSD) %R	NA		NA	
C. MS/MSD precision (RPD)	NA		NA	
6. Field Duplicate precision (RPD)	DQM		DQM	

M – Manual Review %R - percent recovery RPD - relative percent difference DQM – Data Qualification Module

Comments:

This section presents a discussion of any additions or changes to the electronic data validation for compounds analyzed by Methods 6010C and 7471B.

- 3A. Analytes chromium and lead were detected in the method blank. The associated field sample results were greater than five times the blank value; therefore, qualification of the data is not warranted.
- 5A. Sample location HA01MW10(1-2) was used as a site-specific MS. The recoveries were acceptable.
- 6. Sample location DI(110909) was collected as a field duplicate of HA01MW-11(2-3). The RPDs were acceptable at less than 40%.

Report of Analysis

ARCADIS U.S., Inc.
30 Patewood Drive
Suite 155
Greenville, SC 29615
Attention: Janet Christy

Project Name: Hunter - HAA-01

Project Number: GP08HAFS.H01B.NALTM

Lot Number: KL17018

Date Completed: 01/09/2010



Nisreen Saikaly
Project Manager



This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

*** KL17018 ***

SHEALY ENVIRONMENTAL SERVICES, INC.

SC DHEC No: 32010

NELAC No: E87653

NC DEHNR No: 329

Case Narrative ARCADIS U.S., Inc. Lot Number: KL17018

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Semivolatile Organic Compounds

The surrogate recovery for Phenol-d5 i sample -001, MB and LCS was outside the acceptance limit in batch 24198. No sample remained for re-extraction. The LCS recovery for six analytes was slightly outside method control limits in batch 24198. As per method, it is statistically likely that a few analytes will be outside control limits; up to five analytes may marginally exceed the control limits. Therefore the associated sample results were reported and no corrective action was required.

The MS/MSD recoveries for many analytes in batch 24198 were outside acceptance criteria. All other QA/QC criteria for the batch were within acceptance criteria and method control limits. The MS/MSD recovery results are attributed to matrix interference. The associated sample results were reported and no corrective action was required.

Pesticides

As per method requirements, only one of the surrogates has to be within acceptance limits. The sample results are reported and no corrective action is required.

SHEALY ENVIRONMENTAL SERVICES, INC.

Sample Summary ARCADIS U.S., Inc. Lot Number: KL17018

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	HAA01-MW-18 (121609)	Aqueous	12/16/2009 1348	12/17/2009
002	HMW-9 (121609)	Aqueous	12/16/2009 1710	12/17/2009
003	HMW-11 (121609)	Aqueous	12/16/2009 1408	12/17/2009
004	HMW-8 (121609)	Aqueous	12/16/2009 1225	12/17/2009
005	HMW-2 (121609)	Aqueous	12/16/2009 1105	12/17/2009
006	TB-03 (121609)	Aqueous	12/17/2009 0850	12/17/2009

(6 samples)

SHEALY ENVIRONMENTAL SERVICES, INC.

Executive Summary

ARCADIS U.S., Inc.

Lot Number: KL17018

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	HAA01-MW-18 (121609)	Aqueous	Barium	6010C	0.011	J	mg/L	11
(1 detection)								

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17018-001			
Description: HAA01-MW-18 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1348							
Date Received: 12/17/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/29/2009 0616	RRH		24457		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1	
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1	
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1	
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1	
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1	
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1	
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1	
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1	
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1	
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1	
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1	
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1	
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1	
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1	
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1	
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1	
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1	
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1	
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1	
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1	
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1	
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1	
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1	
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1	
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1	
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1	
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1	
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1	
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1	
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1	
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1	
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1	
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1	
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1	
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1	
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1	
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1	
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1	
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1	
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17018-001			
Description: HAA01-MW-18 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1348							
Date Received: 12/17/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/29/2009 0616	RRH		24457

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: KL17018-001

Description: HAA01-MW-18 (121609)

Matrix: Aqueous

Date Sampled: 12/16/2009 1348

Date Received: 12/17/2009

Run 1	Prep Method 3520C	Analytical Method 8270D	Dilution 1	Analysis Date 01/07/2010 2325	Analyst GLR	Prep Date 12/23/2009 1630	Batch 24198		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acenaphthene	83-32-9	8270D	ND		1.1	0.10	ug/L	1	
Acenaphthylene	208-96-8	8270D	ND		1.1	0.18	ug/L	1	
Acetophenone	98-86-2	8270D	ND		1.1	0.36	ug/L	1	
Anthracene	120-12-7	8270D	ND		1.1	0.15	ug/L	1	
Atrazine	1912-24-9	8270D	ND		1.1	0.22	ug/L	1	
Benzaldehyde	100-52-7	8270D	ND		5.6	1.1	ug/L	1	
Benzo(a)anthracene	56-55-3	8270D	ND		1.1	0.17	ug/L	1	
Benzo(a)pyrene	50-32-8	8270D	ND		1.1	0.18	ug/L	1	
Benzo(b)fluoranthene	205-99-2	8270D	ND		1.1	0.22	ug/L	1	
Benzo(g,h,i)perylene	191-24-2	8270D	ND		1.1	0.26	ug/L	1	
Benzo(k)fluoranthene	207-08-9	8270D	ND		1.1	0.13	ug/L	1	
1,1'-Biphenyl	92-52-4	8270D	ND		1.1	0.22	ug/L	1	
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		1.1	0.13	ug/L	1	
Butyl benzyl phthalate	85-68-7	8270D	ND		5.6	1.9	ug/L	1	
Caprolactam	105-60-2	8270D	ND		5.6	1.4	ug/L	1	
Carbazole	86-74-8	8270D	ND		1.1	0.28	ug/L	1	
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		1.1	0.25	ug/L	1	
4-Chloroaniline	106-47-8	8270D	ND		1.1	0.15	ug/L	1	
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		1.1	0.15	ug/L	1	
bis(2-Chloroethyl)ether	111-44-4	8270D	ND		1.1	0.15	ug/L	1	
bis(2-Chloroisopropyl)ether	108-60-1	8270D	ND		1.1	0.090	ug/L	1	
2-Chloronaphthalene	91-58-7	8270D	ND		1.1	0.13	ug/L	1	
2-Chlorophenol	95-57-8	8270D	ND		1.1	0.15	ug/L	1	
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		1.1	0.12	ug/L	1	
Chrysene	218-01-9	8270D	ND		1.1	0.13	ug/L	1	
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		1.1	0.15	ug/L	1	
Dibenzofuran	132-64-9	8270D	ND		1.1	0.18	ug/L	1	
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		5.6	0.91	ug/L	1	
2,4-Dichlorophenol	120-83-2	8270D	ND		1.1	0.17	ug/L	1	
Diethylphthalate	84-66-2	8270D	ND		5.6	1.9	ug/L	1	
Dimethyl phthalate	131-11-3	8270D	ND		5.6	1.9	ug/L	1	
2,4-Dimethylphenol	105-67-9	8270D	ND		1.1	0.35	ug/L	1	
Di-n-butyl phthalate	84-74-2	8270D	ND		5.6	1.9	ug/L	1	
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		5.6	1.7	ug/L	1	
2,4-Dinitrophenol	51-28-5	8270D	ND		5.6	0.28	ug/L	1	
2,4-Dinitrotoluene	121-14-2	8270D	ND		2.2	0.51	ug/L	1	
2,6-Dinitrotoluene	606-20-2	8270D	ND		2.2	0.45	ug/L	1	
Di-n-octylphthalate	117-84-0	8270D	ND		5.6	1.9	ug/L	1	
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		5.6	1.9	ug/L	1	
Fluoranthene	206-44-0	8270D	ND		1.1	0.24	ug/L	1	
Fluorene	86-73-7	8270D	ND		1.1	0.11	ug/L	1	
Hexachlorobenzene	118-74-1	8270D	ND		1.1	0.24	ug/L	1	
Hexachlorobutadiene	87-68-3	8270D	ND		1.1	0.10	ug/L	1	
Hexachlorocyclopentadiene	77-47-4	8270D	ND		5.6	0.26	ug/L	1	
PQL = Practical quantitation limit ND = Not detected at or above the MDL Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"									
B = Detected in the method blank J = Estimated result < PQL and ≥ MDL									
E = Quantitation of compound exceeded the calibration range P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria H = Out of holding time									

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: KL17018-001

Description: HAA01-MW-18 (121609)

Matrix: Aqueous

Date Sampled: 12/16/2009 1348

Date Received: 12/17/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	01/07/2010 2325	GLR	12/23/2009 1630	24198

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Hexachloroethane	67-72-1	8270D	ND		1.1	0.12	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		1.1	0.26	ug/L	1
Isophorone	78-59-1	8270D	ND		1.1	0.090	ug/L	1
2-Methylnaphthalene	91-57-6	8270D	ND		1.1	0.090	ug/L	1
2-Methylphenol	95-48-7	8270D	ND		1.1	0.19	ug/L	1
3 & 4-Methylphenol	106-44-5	8270D	ND		2.2	0.64	ug/L	1
Naphthalene	91-20-3	8270D	ND		1.1	0.079	ug/L	1
2-Nitroaniline	88-74-4	8270D	ND		2.2	0.62	ug/L	1
3-Nitroaniline	99-09-2	8270D	ND		2.2	0.87	ug/L	1
4-Nitroaniline	100-01-6	8270D	ND		2.2	0.44	ug/L	1
Nitrobenzene	98-95-3	8270D	ND		1.1	0.11	ug/L	1
2-Nitrophenol	88-75-5	8270D	ND		2.2	0.30	ug/L	1
4-Nitrophenol	100-02-7	8270D	ND		5.6	0.72	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		1.1	0.090	ug/L	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		1.1	0.43	ug/L	1
Pentachlorophenol	87-86-5	8270D	ND		5.6	0.61	ug/L	1
Phenanthrene	85-01-8	8270D	ND		1.1	0.20	ug/L	1
Phenol	108-95-2	8270D	ND		1.1	0.12	ug/L	1
Pyrene	129-00-0	8270D	ND		1.1	0.18	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		1.1	0.20	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		1.1	0.25	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		42	37-129
2-Fluorophenol	N	22	24-127
Nitrobenzene-d5		39	38-127
Phenol-d5	N	13	28-128
Terphenyl-d14		44	10-148
2,4,6-Tribromophenol	N	37	41-144

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17018-001			
Description: HAA01-MW-18 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1348							
Date Received: 12/17/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	12/31/2009 1805	NCM	12/23/2009 1130	24171

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		0.028	0.0022	ug/L	1
alpha-BHC	319-84-6	8081B	ND		0.028	0.0033	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.028	0.021	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.028	0.0089	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.028	0.0056	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.028	0.0033	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.028	0.0033	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.028	0.0067	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.028	0.0067	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.028	0.0033	ug/L	1
Dieldrin	60-57-1	8081B	ND		0.028	0.0044	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.028	0.0067	ug/L	1
Endosulfan II	33213-65-9	8081B	ND		0.028	0.027	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.028	0.0033	ug/L	1
Endrin	72-20-8	8081B	ND		0.028	0.0056	ug/L	1
Endrin aldehyde	7421-93-4	8081B	ND		0.028	0.0033	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.028	0.0044	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.028	0.022	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.028	0.0033	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.11	0.016	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.28	0.033	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
Decachlorobiphenyl		73	49-124					
Tetrachloro-m-xylene		84	58-122					

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

CVAA

Client: ARCADIS U.S., Inc.

Laboratory ID: KL17018-001

Description: HAA01-MW-18 (121609)

Matrix: Aqueous

Date Sampled: 12/16/2009 1348

Date Received: 12/17/2009

Run 1	Prep Method	Analytical Method 7470A	Dilution 1	Analysis Date 12/17/2009 2347	Analyst BNW	Prep Date 12/17/2009 2030	Batch 23801

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND	0.00010	0.000053		mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 10 of 46

Level 1 Report v2.1

RCRA Metals

Client: ARCADIS U.S., Inc.

Laboratory ID: KL17018-001

Description: HAA01-MW-18 (121609)

Matrix: Aqueous

Date Sampled: 12/16/2009 1348

Date Received: 12/17/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/19/2009 2000	CDF	12/18/2009 1630	23888
2	3005A	6010C	1	12/21/2009 1742	KJC	12/18/2009 1630	23888

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.010	0.0040	mg/L	1
Barium	7440-39-3	6010C	0.011	J	0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010C	ND		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010C	ND		0.010	0.0019	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	0.0026	mg/L	1
Silver	7440-22-4	6010C	ND		0.0050	0.00040	mg/L	2

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 11 of 46

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17018-002			
Description: HMW-9 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1710							
Date Received: 12/17/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/29/2009 0638	RRH		24457		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1	
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1	
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1	
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1	
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1	
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1	
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1	
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1	
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1	
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1	
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1	
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1	
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1	
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1	
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1	
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1	
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1	
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1	
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1	
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1	
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1	
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1	
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1	
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1	
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1	
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1	
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1	
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1	
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1	
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1	
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1	
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1	
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1	
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1	
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1	
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1	
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1	
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1	
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1	
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17018-002			
Description: HMW-9 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1710							
Date Received: 12/17/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/29/2009 0638	RRH		24457

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 13 of 46

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17018-003			
Description: HMW-11 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1408							
Date Received: 12/17/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/29/2009 0700	RRH		24457		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1	
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1	
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1	
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1	
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1	
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1	
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1	
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1	
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1	
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1	
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1	
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1	
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1	
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1	
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1	
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1	
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1	
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1	
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1	
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1	
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1	
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1	
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1	
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1	
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1	
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1	
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1	
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1	
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1	
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1	
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1	
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1	
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1	
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1	
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1	
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1	
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1	
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1	
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1	
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17018-003			
Description: HMW-11 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1408							
Date Received: 12/17/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 0700	Analyst RRH	Prep Date	Batch 24457

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	70-130
Bromofluorobenzene		95	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17018-004			
Description: HMW-8 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1225							
Date Received: 12/17/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/29/2009 0721	RRH		24457		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1	
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1	
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1	
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1	
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1	
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1	
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1	
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1	
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1	
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1	
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1	
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1	
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1	
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1	
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1	
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1	
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1	
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1	
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1	
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1	
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1	
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1	
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1	
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1	
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1	
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1	
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1	
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1	
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1	
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1	
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1	
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1	
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1	
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1	
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1	
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1	
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1	
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1	
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1	
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17018-004			
Description: HMW-8 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1225							
Date Received: 12/17/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 0721	Analyst RRH	Prep Date	Batch 24457

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17018-005			
Description: HMW-2 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1105							
Date Received: 12/17/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/29/2009 0744	RRH		24457		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1	
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1	
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1	
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1	
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1	
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1	
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1	
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1	
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1	
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1	
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1	
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1	
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1	
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1	
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1	
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1	
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1	
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1	
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1	
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1	
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1	
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1	
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1	
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1	
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1	
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1	
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1	
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1	
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1	
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1	
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1	
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1	
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1	
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1	
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1	
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1	
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1	
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1	
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1	
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17018-005			
Description: HMW-2 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1105							
Date Received: 12/17/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 0744	Analyst RRH	Prep Date	Batch 24457

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	70-130
Bromofluorobenzene		94	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17018-006			
Description: TB-03 (121609)				Matrix: Aqueous			
Date Sampled: 12/17/2009 0850							
Date Received: 12/17/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/29/2009 0805	RRH		24457		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1	
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1	
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1	
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1	
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1	
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1	
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1	
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1	
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1	
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1	
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1	
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1	
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1	
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1	
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1	
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1	
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1	
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1	
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1	
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1	
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1	
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1	
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1	
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1	
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1	
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1	
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1	
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1	
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1	
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1	
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1	
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1	
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1	
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1	
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1	
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1	
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1	
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1	
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1	
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17018-006			
Description: TB-03 (121609)				Matrix: Aqueous			
Date Sampled: 12/17/2009 0850							
Date Received: 12/17/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 0805	Analyst RRH	Prep Date	Batch 24457

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ24457-001

Matrix: Aqueous

Batch: 24457

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	10	0.061	ug/L	12/29/2009 0236
Benzene	ND		1	0.50	0.027	ug/L	12/29/2009 0236
Bromodichloromethane	ND		1	0.50	0.17	ug/L	12/29/2009 0236
Bromoform	ND		1	0.50	0.010	ug/L	12/29/2009 0236
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	12/29/2009 0236
2-Butanone (MEK)	ND		1	10	2.0	ug/L	12/29/2009 0236
Carbon disulfide	ND		1	0.50	0.097	ug/L	12/29/2009 0236
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	12/29/2009 0236
Chlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 0236
Chloroethane	ND		1	0.50	0.17	ug/L	12/29/2009 0236
Chloroform	ND		1	0.50	0.17	ug/L	12/29/2009 0236
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	12/29/2009 0236
Cyclohexane	0.38	J	1	0.50	0.30	ug/L	12/29/2009 0236
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	12/29/2009 0236
Dibromochloromethane	ND		1	0.50	0.17	ug/L	12/29/2009 0236
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	12/29/2009 0236
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 0236
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 0236
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 0236
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	12/29/2009 0236
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	12/29/2009 0236
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	12/29/2009 0236
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	12/29/2009 0236
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	12/29/2009 0236
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	12/29/2009 0236
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	12/29/2009 0236
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	12/29/2009 0236
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	12/29/2009 0236
Ethylbenzene	ND		1	0.50	0.17	ug/L	12/29/2009 0236
2-Hexanone	ND		1	10	0.27	ug/L	12/29/2009 0236
Isopropylbenzene	ND		1	0.50	0.029	ug/L	12/29/2009 0236
Methyl acetate	ND		1	1.0	0.30	ug/L	12/29/2009 0236
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	12/29/2009 0236
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	12/29/2009 0236
Methylcyclohexane	ND		1	5.0	0.95	ug/L	12/29/2009 0236
Methylene chloride	ND		1	0.50	0.17	ug/L	12/29/2009 0236
Styrene	ND		1	0.50	0.015	ug/L	12/29/2009 0236
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	12/29/2009 0236
Tetrachloroethene	ND		1	0.50	0.014	ug/L	12/29/2009 0236
Toluene	ND		1	0.50	0.17	ug/L	12/29/2009 0236
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	12/29/2009 0236
1,2,4-Trichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 0236
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	12/29/2009 0236
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	12/29/2009 0236

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ24457-001

Matrix: Aqueous

Batch: 24457

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.024	ug/L	12/29/2009 0236
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	12/29/2009 0236
Vinyl chloride	ND		1	0.50	0.065	ug/L	12/29/2009 0236
Xylenes (total)	ND		1	0.50	0.17	ug/L	12/29/2009 0236
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		96	70-130				
1,2-Dichloroethane-d4		104	70-130				
Toluene-d8		103	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ24457-002

Matrix: Aqueous

Batch: 24457

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	100		1	104	46-153	12/29/2009 0023
Benzene	50	51		1	102	70-130	12/29/2009 0023
Bromodichloromethane	50	54		1	108	70-130	12/29/2009 0023
Bromoform	50	51		1	102	70-130	12/29/2009 0023
Bromomethane (Methyl bromide)	50	54		1	108	60-140	12/29/2009 0023
2-Butanone (MEK)	100	110		1	105	60-140	12/29/2009 0023
Carbon disulfide	50	54		1	109	60-140	12/29/2009 0023
Carbon tetrachloride	50	53		1	105	70-130	12/29/2009 0023
Chlorobenzene	50	53		1	105	70-130	12/29/2009 0023
Chloroethane	50	54		1	108	42-163	12/29/2009 0023
Chloroform	50	52		1	103	70-130	12/29/2009 0023
Chloromethane (Methyl chloride)	50	50		1	99	20-158	12/29/2009 0023
Cyclohexane	50	59		1	119	70-130	12/29/2009 0023
1,2-Dibromo-3-chloropropane (DBCP)	50	60		1	121	70-130	12/29/2009 0023
Dibromochloromethane	50	58		1	117	70-130	12/29/2009 0023
1,2-Dibromoethane (EDB)	50	54		1	109	70-130	12/29/2009 0023
1,4-Dichlorobenzene	50	55		1	111	70-130	12/29/2009 0023
1,2-Dichlorobenzene	50	53		1	106	70-130	12/29/2009 0023
1,3-Dichlorobenzene	50	55		1	111	70-130	12/29/2009 0023
Dichlorodifluoromethane	50	52		1	104	60-140	12/29/2009 0023
1,2-Dichloroethane	50	51		1	101	70-130	12/29/2009 0023
1,1-Dichloroethane	50	50		1	101	70-130	12/29/2009 0023
cis-1,2-Dichloroethene	50	52		1	104	70-130	12/29/2009 0023
1,1-Dichloroethene	50	52		1	104	70-130	12/29/2009 0023
trans-1,2-Dichloroethene	50	52		1	104	70-130	12/29/2009 0023
1,2-Dichloropropane	50	51		1	102	70-130	12/29/2009 0023
cis-1,3-Dichloropropene	50	50		1	100	70-130	12/29/2009 0023
trans-1,3-Dichloropropene	50	51		1	102	70-130	12/29/2009 0023
Ethylbenzene	50	57		1	113	70-130	12/29/2009 0023
2-Hexanone	100	110		1	106	60-140	12/29/2009 0023
Isopropylbenzene	50	60		1	120	70-130	12/29/2009 0023
Methyl acetate	50	46		1	93	15-128	12/29/2009 0023
Methyl tertiary butyl ether (MTBE)	50	54		1	107	70-130	12/29/2009 0023
4-Methyl-2-pentanone	100	110		1	110	60-140	12/29/2009 0023
Methylcyclohexane	50	60		1	120	70-130	12/29/2009 0023
Methylene chloride	50	49		1	99	70-130	12/29/2009 0023
Styrene	50	60		1	119	70-130	12/29/2009 0023
1,1,2,2-Tetrachloroethane	50	54		1	108	70-130	12/29/2009 0023
Tetrachloroethene	50	54		1	107	70-130	12/29/2009 0023
Toluene	50	54		1	108	70-130	12/29/2009 0023
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	59		1	117	70-130	12/29/2009 0023
1,2,4-Trichlorobenzene	50	61		1	123	70-130	12/29/2009 0023
1,1,2-Trichloroethane	50	53		1	106	70-130	12/29/2009 0023
1,1,1-Trichloroethane	50	54		1	108	70-130	12/29/2009 0023

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ24457-002

Matrix: Aqueous

Batch: 24457

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	53		1	106	70-130	12/29/2009 0023
Trichlorofluoromethane	50	50		1	101	60-140	12/29/2009 0023
Vinyl chloride	50	53		1	106	60-140	12/29/2009 0023
Xylenes (total)	100	110		1	115	70-130	12/29/2009 0023
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		97	70-130				
1,2-Dichloroethane-d4		98	70-130				
Toluene-d8		100	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ24457-003

Matrix: Aqueous

Batch: 24457

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	78	+	1	78	28	46-153	20	12/29/2009 0045
Benzene	50	49		1	99	2.8	70-130	20	12/29/2009 0045
Bromodichloromethane	50	52		1	104	3.7	70-130	20	12/29/2009 0045
Bromoform	50	49		1	98	4.3	70-130	20	12/29/2009 0045
Bromomethane (Methyl bromide)	50	51		1	102	6.2	60-140	20	12/29/2009 0045
2-Butanone (MEK)	100	100		1	101	3.8	60-140	20	12/29/2009 0045
Carbon disulfide	50	51		1	102	6.5	60-140	20	12/29/2009 0045
Carbon tetrachloride	50	51		1	101	4.1	70-130	20	12/29/2009 0045
Chlorobenzene	50	53		1	106	0.56	70-130	20	12/29/2009 0045
Chloroethane	50	51		1	102	6.1	42-163	20	12/29/2009 0045
Chloroform	50	49		1	98	5.2	70-130	20	12/29/2009 0045
Chloromethane (Methyl chloride)	50	49		1	98	1.7	20-158	20	12/29/2009 0045
Cyclohexane	50	57		1	114	3.6	70-130	20	12/29/2009 0045
1,2-Dibromo-3-chloropropane (DBCP)	50	51		1	102	17	70-130	20	12/29/2009 0045
Dibromochloromethane	50	57		1	114	2.0	70-130	20	12/29/2009 0045
1,2-Dibromoethane (EDB)	50	55		1	111	1.9	70-130	20	12/29/2009 0045
1,4-Dichlorobenzene	50	55		1	110	0.64	70-130	20	12/29/2009 0045
1,2-Dichlorobenzene	50	53		1	105	1.1	70-130	20	12/29/2009 0045
1,3-Dichlorobenzene	50	55		1	110	0.64	70-130	20	12/29/2009 0045
Dichlorodifluoromethane	50	50		1	100	3.6	60-140	20	12/29/2009 0045
1,2-Dichloroethane	50	48		1	96	5.2	70-130	20	12/29/2009 0045
1,1-Dichloroethane	50	48		1	95	5.8	70-130	20	12/29/2009 0045
cis-1,2-Dichloroethene	50	48		1	96	7.3	70-130	20	12/29/2009 0045
1,1-Dichloroethene	50	48		1	96	7.4	70-130	20	12/29/2009 0045
trans-1,2-Dichloroethene	50	49		1	99	4.6	70-130	20	12/29/2009 0045
1,2-Dichloropropane	50	51		1	102	0.23	70-130	20	12/29/2009 0045
cis-1,3-Dichloropropene	50	52		1	104	3.3	70-130	20	12/29/2009 0045
trans-1,3-Dichloropropene	50	52		1	104	2.4	70-130	20	12/29/2009 0045
Ethylbenzene	50	57		1	113	0.039	70-130	20	12/29/2009 0045
2-Hexanone	100	110		1	114	7.1	60-140	20	12/29/2009 0045
Isopropylbenzene	50	60		1	119	0.044	70-130	20	12/29/2009 0045
Methyl acetate	50	42		1	85	9.1	15-128	20	12/29/2009 0045
Methyl tertiary butyl ether (MTBE)	50	49		1	97	9.5	70-130	20	12/29/2009 0045
4-Methyl-2-pentanone	100	110		1	107	2.2	60-140	20	12/29/2009 0045
Methylcyclohexane	50	59		1	118	1.7	70-130	20	12/29/2009 0045
Methylene chloride	50	46		1	93	6.4	70-130	20	12/29/2009 0045
Styrene	50	59		1	118	0.64	70-130	20	12/29/2009 0045
1,1,2,2-Tetrachloroethane	50	52		1	104	3.9	70-130	20	12/29/2009 0045
Tetrachloroethene	50	53		1	106	0.60	70-130	20	12/29/2009 0045
Toluene	50	55		1	110	1.6	70-130	20	12/29/2009 0045
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	56		1	112	4.0	70-130	20	12/29/2009 0045
1,2,4-Trichlorobenzene	50	54		1	108	12	70-130	20	12/29/2009 0045
1,1,2-Trichloroethane	50	53		1	107	0.16	70-130	20	12/29/2009 0045
1,1,1-Trichloroethane	50	52		1	103	4.2	70-130	20	12/29/2009 0045

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ24457-003

Matrix: Aqueous

Batch: 24457

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	51		1	102	3.2	70-130	20	12/29/2009 0045
Trichlorofluoromethane	50	48		1	96	5.5	60-140	20	12/29/2009 0045
Vinyl chloride	50	50		1	100	6.1	60-140	20	12/29/2009 0045
Xylenes (total)	100	110		1	112	2.1	70-130	20	12/29/2009 0045
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		97	70-130						
1,2-Dichloroethane-d4		93	70-130						
Toluene-d8		101	70-130						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: KQ24198-001

Batch: 24198

Analytical Method: 8270D

Matrix: Aqueous

Prep Method: 3520C

Prep Date: 12/23/2009 1630

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
1,1'-Biphenyl	ND		1	1.0	0.20	ug/L	01/08/2010 0018
2,4,5-Trichlorophenol	ND		1	1.0	0.18	ug/L	01/08/2010 0018
2,4,6-Trichlorophenol	ND		1	1.0	0.22	ug/L	01/08/2010 0018
2,4-Dichlorophenol	ND		1	1.0	0.15	ug/L	01/08/2010 0018
2,4-Dimethylphenol	ND		1	1.0	0.31	ug/L	01/08/2010 0018
2,4-Dinitrophenol	ND		1	5.0	0.25	ug/L	01/08/2010 0018
2,4-Dinitrotoluene	ND		1	2.0	0.45	ug/L	01/08/2010 0018
2,6-Dinitrotoluene	ND		1	2.0	0.40	ug/L	01/08/2010 0018
2-Chloronaphthalene	ND		1	1.0	0.12	ug/L	01/08/2010 0018
2-Chlorophenol	ND		1	1.0	0.13	ug/L	01/08/2010 0018
2-Methylnaphthalene	ND		1	1.0	0.080	ug/L	01/08/2010 0018
2-Methylphenol	ND		1	1.0	0.17	ug/L	01/08/2010 0018
2-Nitroaniline	ND		1	2.0	0.55	ug/L	01/08/2010 0018
2-Nitrophenol	ND		1	2.0	0.27	ug/L	01/08/2010 0018
3 & 4-Methylphenol	ND		1	2.0	0.57	ug/L	01/08/2010 0018
3,3'-Dichlorobenzidine	ND		1	5.0	0.81	ug/L	01/08/2010 0018
3-Nitroaniline	ND		1	2.0	0.77	ug/L	01/08/2010 0018
4,6-Dinitro-2-methylphenol	ND		1	5.0	1.5	ug/L	01/08/2010 0018
4-Bromophenyl phenyl ether	ND		1	1.0	0.12	ug/L	01/08/2010 0018
4-Chloro-3-methyl phenol	ND		1	1.0	0.22	ug/L	01/08/2010 0018
4-Chloroaniline	ND		1	1.0	0.13	ug/L	01/08/2010 0018
4-Chlorophenyl phenyl ether	ND		1	1.0	0.11	ug/L	01/08/2010 0018
4-Nitroaniline	ND		1	2.0	0.39	ug/L	01/08/2010 0018
4-Nitrophenol	ND		1	5.0	0.64	ug/L	01/08/2010 0018
Acenaphthene	ND		1	1.0	0.090	ug/L	01/08/2010 0018
Acenaphthylene	ND		1	1.0	0.16	ug/L	01/08/2010 0018
Acetophenone	ND		1	1.0	0.32	ug/L	01/08/2010 0018
Anthracene	ND		1	1.0	0.13	ug/L	01/08/2010 0018
Atrazine	ND		1	1.0	0.20	ug/L	01/08/2010 0018
Benzaldehyde	ND		1	5.0	1.0	ug/L	01/08/2010 0018
Benzo(a)anthracene	ND		1	1.0	0.15	ug/L	01/08/2010 0018
Benzo(a)pyrene	ND		1	1.0	0.16	ug/L	01/08/2010 0018
Benzo(b)fluoranthene	ND		1	1.0	0.20	ug/L	01/08/2010 0018
Benzo(g,h,i)perylene	ND		1	1.0	0.23	ug/L	01/08/2010 0018
Benzo(k)fluoranthene	ND		1	1.0	0.12	ug/L	01/08/2010 0018
bis(2-Chloroethoxy)methane	ND		1	1.0	0.13	ug/L	01/08/2010 0018
bis(2-Chloroethyl)ether	ND		1	1.0	0.13	ug/L	01/08/2010 0018
bis(2-Chloroisopropyl)ether	ND		1	1.0	0.080	ug/L	01/08/2010 0018
bis(2-Ethylhexyl)phthalate	ND		1	5.0	1.7	ug/L	01/08/2010 0018
Butyl benzyl phthalate	ND		1	5.0	1.7	ug/L	01/08/2010 0018
Caprolactam	ND		1	5.0	1.2	ug/L	01/08/2010 0018
Carbazole	ND		1	1.0	0.25	ug/L	01/08/2010 0018
Chrysene	ND		1	1.0	0.12	ug/L	01/08/2010 0018
Di-n-butyl phthalate	ND		1	5.0	1.7	ug/L	01/08/2010 0018

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: KQ24198-001

Matrix: Aqueous

Batch: 24198

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 12/23/2009 1630

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Di-n-octylphthalate	ND		1	5.0	1.7	ug/L	01/08/2010 0018
Dibenzo(a,h)anthracene	ND		1	1.0	0.13	ug/L	01/08/2010 0018
Dibenzofuran	ND		1	1.0	0.16	ug/L	01/08/2010 0018
Diethylphthalate	ND		1	5.0	1.7	ug/L	01/08/2010 0018
Dimethyl phthalate	ND		1	5.0	1.7	ug/L	01/08/2010 0018
Fluoranthene	ND		1	1.0	0.21	ug/L	01/08/2010 0018
Fluorene	ND		1	1.0	0.10	ug/L	01/08/2010 0018
Hexachlorobenzene	ND		1	1.0	0.21	ug/L	01/08/2010 0018
Hexachlorobutadiene	ND		1	1.0	0.090	ug/L	01/08/2010 0018
Hexachlorocyclopentadiene	ND		1	5.0	0.23	ug/L	01/08/2010 0018
Hexachloroethane	ND		1	1.0	0.11	ug/L	01/08/2010 0018
Indeno(1,2,3-c,d)pyrene	ND		1	1.0	0.23	ug/L	01/08/2010 0018
Isophorone	ND		1	1.0	0.080	ug/L	01/08/2010 0018
N-Nitrosodi-n-propylamine	ND		1	1.0	0.080	ug/L	01/08/2010 0018
N-Nitrosodiphenylamine (Diphenylamine)	ND		1	1.0	0.38	ug/L	01/08/2010 0018
Naphthalene	ND		1	1.0	0.070	ug/L	01/08/2010 0018
Nitrobenzene	ND		1	1.0	0.10	ug/L	01/08/2010 0018
Pentachlorophenol	ND		1	5.0	0.54	ug/L	01/08/2010 0018
Phenanthrene	ND		1	1.0	0.18	ug/L	01/08/2010 0018
Phenol	ND		1	1.0	0.11	ug/L	01/08/2010 0018
Pyrene	ND		1	1.0	0.16	ug/L	01/08/2010 0018
Surrogate	Q	% Rec	Acceptance Limit				
2,4,6-Tribromophenol		55	41-144				
2-Fluorobiphenyl		57	37-129				
2-Fluorophenol		35	24-127				
Nitrobenzene-d5		56	38-127				
Phenol-d5	N	23	28-128				
Terphenyl-d14		46	10-148				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: KQ24198-002

Matrix: Aqueous

Batch: 24198

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 12/23/2009 1630

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
2,4,5-Trichlorophenol	20	11		1	53	46-125	01/08/2010 0038
2,4,6-Trichlorophenol	20	9.2		1	46	36-123	01/08/2010 0038
2,4-Dichlorophenol	20	10		1	51	38-127	01/08/2010 0038
2,4-Dimethylphenol	20	7.9		1	39	36-110	01/08/2010 0038
2,4-Dinitrophenol	100	55		1	55	33-143	01/08/2010 0038
2,4-Dinitrotoluene	40	21	N	1	53	55-137	01/08/2010 0038
2,6-Dinitrotoluene	40	21	N	1	52	53-128	01/08/2010 0038
2-Chloronaphthalene	20	10		1	52	42-132	01/08/2010 0038
2-Chlorophenol	20	10		1	50	40-128	01/08/2010 0038
2-Methylnaphthalene	20	9.8		1	49	49-122	01/08/2010 0038
2-Methylphenol	20	9.9		1	50	33-122	01/08/2010 0038
2-Nitroaniline	40	21		1	51	48-126	01/08/2010 0038
2-Nitrophenol	40	20		1	51	44-131	01/08/2010 0038
3 & 4-Methylphenol	40	16	N	1	40	48-112	01/08/2010 0038
3-Nitroaniline	40	7.8	N	1	19	29-109	01/08/2010 0038
4,6-Dinitro-2-methylphenol	100	55		1	55	46-151	01/08/2010 0038
4-Bromophenyl phenyl ether	20	10		1	51	49-123	01/08/2010 0038
4-Chloro-3-methyl phenol	20	9.7		1	49	48-136	01/08/2010 0038
4-Chloroaniline	20	3.7		1	19	18-73	01/08/2010 0038
4-Chlorophenyl phenyl ether	20	10		1	51	34-124	01/08/2010 0038
4-Nitroaniline	40	20		1	49	42-154	01/08/2010 0038
4-Nitrophenol	100	30	N	1	30	43-145	01/08/2010 0038
Acenaphthene	20	10		1	51	51-130	01/08/2010 0038
Acenaphthylene	20	10		1	50	46-131	01/08/2010 0038
Anthracene	20	10		1	51	48-122	01/08/2010 0038
Benzo(a)anthracene	20	11		1	54	50-143	01/08/2010 0038
Benzo(a)pyrene	20	12		1	60	55-141	01/08/2010 0038
Benzo(b)fluoranthene	20	11		1	55	48-147	01/08/2010 0038
Benzo(g,h,i)perylene	20	10		1	52	48-139	01/08/2010 0038
Benzo(k)fluoranthene	20	10		1	52	48-148	01/08/2010 0038
bis(2-Chloroethoxy)methane	20	10		1	51	46-130	01/08/2010 0038
bis(2-Chloroethyl)ether	20	10		1	52	42-127	01/08/2010 0038
bis(2-Chloroisopropyl)ether	20	9.7		1	48	36-133	01/08/2010 0038
bis(2-Ethylhexyl)phthalate	20	11		1	57	40-141	01/08/2010 0038
Butyl benzyl phthalate	20	11		1	54	52-142	01/08/2010 0038
Carbazole	20	11		1	56	45-101	01/08/2010 0038
Chrysene	20	11		1	56	51-137	01/08/2010 0038
Di-n-butyl phthalate	20	11		1	55	50-134	01/08/2010 0038
Di-n-octylphthalate	20	11		1	57	50-136	01/08/2010 0038
Dibenzo(a,h)anthracene	20	10		1	52	48-139	01/08/2010 0038
Dibenzofuran	20	10		1	51	45-142	01/08/2010 0038
Diethylphthalate	20	11		1	53	48-124	01/08/2010 0038
Dimethyl phthalate	20	11		1	53	43-122	01/08/2010 0038
Fluoranthene	20	10		1	51	50-124	01/08/2010 0038

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: KQ24198-002

Matrix: Aqueous

Batch: 24198

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 12/23/2009 1630

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Fluorene	20	10		1	52	39-122	01/08/2010 0038
Hexachlorobenzene	20	10		1	52	46-125	01/08/2010 0038
Hexachlorobutadiene	20	10		1	50	38-121	01/08/2010 0038
Hexachlorocyclopentadiene	100	45		1	45	24-110	01/08/2010 0038
Hexachloroethane	20	10		1	50	32-109	01/08/2010 0038
Indeno(1,2,3-c,d)pyrene	20	10		1	52	49-146	01/08/2010 0038
Isophorone	20	11		1	53	43-118	01/08/2010 0038
N-Nitrosodi-n-propylamine	20	10		1	50	46-135	01/08/2010 0038
N-Nitrosodiphenylamine (Diphenylamine)	20	12		1	59	44-124	01/08/2010 0038
Naphthalene	20	10		1	50	45-118	01/08/2010 0038
Nitrobenzene	20	11		1	54	46-131	01/08/2010 0038
Pentachlorophenol	100	45		1	45	30-137	01/08/2010 0038
Phenanthrene	20	10		1	52	49-122	01/08/2010 0038
Phenol	20	5.4	N	1	27	35-118	01/08/2010 0038
Pyrene	20	11		1	53	50-130	01/08/2010 0038
Surrogate	Q	% Rec	Acceptance Limit				
2,4,6-Tribromophenol		53	41-144				
2-Fluorobiphenyl		54	37-129				
2-Fluorophenol		38	24-127				
Nitrobenzene-d5		55	38-127				
Phenol-d5	N	25	28-128				
Terphenyl-d14		47	10-148				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MS

Sample ID: KL17018-001MS

Matrix: Aqueous

Batch: 24198

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 12/23/2009 1630

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acenaphthene	ND	43	16		1	38	10-133	01/02/2010 1440
Acenaphthylene	ND	43	16		1	37	34-128	01/02/2010 1440
Anthracene	ND	43	16	N	1	38	48-122	01/02/2010 1440
Benzo(a)anthracene	ND	43	15	N	1	34	53-98	01/02/2010 1440
Benzo(a)pyrene	ND	43	21		1	48	11-160	01/02/2010 1440
Benzo(b)fluoranthene	ND	43	15		1	33	10-165	01/02/2010 1440
Benzo(g,h,i)perylene	ND	43	16	N	1	37	42-111	01/02/2010 1440
Benzo(k)fluoranthene	ND	43	23		1	53	13-175	01/02/2010 1440
4-Bromophenyl phenyl ether	ND	43	18	N	1	40	49-123	01/02/2010 1440
Butyl benzyl phthalate	ND	43	18	N	1	42	52-142	01/02/2010 1440
Carbazole	ND	43	18	N	1	41	45-101	01/02/2010 1440
4-Chloro-3-methyl phenol	ND	43	17	N	1	38	40-98	01/02/2010 1440
4-Chloroaniline	ND	43	ND	N	1	0.00	10-98	01/02/2010 1440
bis(2-Chloroethoxy)methane	ND	43	16	N	1	37	43-93	01/02/2010 1440
bis(2-Chloroethyl)ether	ND	43	17	N	1	38	41-88	01/02/2010 1440
bis(2-Chloroisopropyl)ether	ND	43	16		1	38	36-99	01/02/2010 1440
2-Chloronaphthalene	ND	43	13	N	1	30	40-89	01/02/2010 1440
2-Chlorophenol	ND	43	17		1	38	33-92	01/02/2010 1440
4-Chlorophenyl phenyl ether	ND	43	17		1	39	34-124	01/02/2010 1440
Chrysene	ND	43	20	N	1	46	51-107	01/02/2010 1440
Dibenzo(a,h)anthracene	ND	43	18	N	1	40	47-116	01/02/2010 1440
Dibenzofuran	ND	43	16	N	1	38	45-94	01/02/2010 1440
2,4-Dichlorophenol	ND	43	17		1	39	34-105	01/02/2010 1440
Diethylphthalate	ND	43	18	N	1	42	48-124	01/02/2010 1440
Dimethyl phthalate	ND	43	17	N	1	40	43-122	01/02/2010 1440
2,4-Dimethylphenol	ND	43	14	N	1	32	33-77	01/02/2010 1440
Di-n-butyl phthalate	ND	43	19	N	1	44	50-134	01/02/2010 1440
4,6-Dinitro-2-methylphenol	ND	220	89		1	41	33-118	01/02/2010 1440
2,4-Dinitrophenol	ND	220	79		1	36	19-119	01/02/2010 1440
2,4-Dinitrotoluene	ND	87	36	N	1	41	50-104	01/02/2010 1440
2,6-Dinitrotoluene	ND	87	37	N	1	43	53-128	01/02/2010 1440
Di-n-octylphthalate	ND	43	22		1	50	40-112	01/02/2010 1440
bis(2-Ethylhexyl)phthalate	ND	43	19		1	43	10-142	01/02/2010 1440
Fluoranthene	ND	43	18	N	1	40	50-124	01/02/2010 1440
Fluorene	ND	43	16	N	1	38	39-122	01/02/2010 1440
Hexachlorobenzene	ND	43	17	N	1	40	46-125	01/02/2010 1440
Hexachlorobutadiene	ND	43	15	N	1	35	42-94	01/02/2010 1440
Hexachlorocyclopentadiene	ND	220	58		1	27	14-89	01/02/2010 1440
Hexachloroethane	ND	43	16	N	1	36	39-86	01/02/2010 1440
Indeno(1,2,3-c,d)pyrene	ND	43	17	N	1	38	43-113	01/02/2010 1440
Isophorone	ND	43	17	N	1	40	42-84	01/02/2010 1440
2-Methylnaphthalene	ND	43	16	N	1	36	46-90	01/02/2010 1440
2-Methylphenol	ND	43	19		1	44	33-122	01/02/2010 1440
3 & 4-Methylphenol	ND	87	31		1	36	24-97	01/02/2010 1440

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MS

Sample ID: KL17018-001MS

Batch: 24198

Analytical Method: 8270D

Matrix: Aqueous

Prep Method: 3520C

Prep Date: 12/23/2009 1630

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Naphthalene	ND	43	15	N	1	35	46-89	01/02/2010 1440
2-Nitroaniline	ND	87	35	N	1	41	48-126	01/02/2010 1440
3-Nitroaniline	ND	87	11		1	12	10-110	01/02/2010 1440
4-Nitroaniline	ND	87	32	N	1	37	41-99	01/02/2010 1440
Nitrobenzene	ND	43	18	N	1	41	44-91	01/02/2010 1440
2-Nitrophenol	ND	87	32		1	37	34-102	01/02/2010 1440
4-Nitrophenol	ND	220	73		1	33	29-122	01/02/2010 1440
N-Nitrosodi-n-propylamine	ND	43	19		1	43	41-96	01/02/2010 1440
N-Nitrosodiphenylamine (Diphenylamine)	ND	43	19		1	44	10-150	01/02/2010 1440
Pentachlorophenol	ND	220	76		1	35	32-110	01/02/2010 1440
Phenanthrene	ND	43	17	N	1	39	49-122	01/02/2010 1440
Phenol	ND	43	12	N	1	27	33-92	01/02/2010 1440
Pyrene	ND	43	17	N	1	38	50-130	01/02/2010 1440
2,4,5-Trichlorophenol	ND	43	18	N	1	42	46-125	01/02/2010 1440
2,4,6-Trichlorophenol	ND	43	16		1	37	36-123	01/02/2010 1440
Surrogate	Q	% Rec	Acceptance Limit					
2-Fluorobiphenyl		79	37-129					
2-Fluorophenol		69	24-127					
Nitrobenzene-d5		85	38-127					
Phenol-d5		57	28-128					
Terphenyl-d14		70	10-148					
2,4,6-Tribromophenol		83	41-144					

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MSD

Sample ID: KL17018-001MD

Batch: 24198

Analytical Method: 8270D

Matrix: Aqueous

Prep Method: 3520C

Prep Date: 12/23/2009 1630

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acenaphthene	ND	43	18		1	42	11	10-133	40	01/02/2010 1500
Acenaphthylene	ND	43	18		1	42	11	34-128	40	01/02/2010 1500
Anthracene	ND	43	19	N	1	43	12	48-122	40	01/02/2010 1500
Benzo(a)anthracene	ND	43	17	N	1	38	10	53-98	40	01/02/2010 1500
Benzo(a)pyrene	ND	43	24		1	55	13	11-160	40	01/02/2010 1500
Benzo(b)fluoranthene	ND	43	16		1	37	9.8	10-165	40	01/02/2010 1500
Benzo(g,h,i)perylene	ND	43	19		1	43	14	42-111	40	01/02/2010 1500
Benzo(k)fluoranthene	ND	43	27		1	61	14	13-175	40	01/02/2010 1500
4-Bromophenyl phenyl ether	ND	43	20	N	1	45	11	49-123	40	01/02/2010 1500
Butyl benzyl phthalate	ND	43	20	N	1	46	9.4	52-142	40	01/02/2010 1500
Carbazole	ND	43	20		1	46	12	45-101	40	01/02/2010 1500
4-Chloro-3-methyl phenol	ND	43	20		1	45	16	40-98	40	01/02/2010 1500
4-Chloroaniline	ND	43	ND	N	1	0.00	0.00	10-98	40	01/02/2010 1500
bis(2-Chloroethoxy)methane	ND	43	18	N	1	42	15	43-93	40	01/02/2010 1500
bis(2-Chloroethyl)ether	ND	43	19		1	43	12	41-88	40	01/02/2010 1500
bis(2-Chloroisopropyl)ether	ND	43	19		1	43	14	36-99	40	01/02/2010 1500
2-Chloronaphthalene	ND	43	14	N	1	32	8.4	40-89	40	01/02/2010 1500
2-Chlorophenol	ND	43	19		1	44	13	33-92	40	01/02/2010 1500
4-Chlorophenyl phenyl ether	ND	43	19		1	44	11	34-124	40	01/02/2010 1500
Chrysene	ND	43	22	N	1	50	8.8	51-107	40	01/02/2010 1500
Dibenzo(a,h)anthracene	ND	43	20	N	1	46	14	47-116	40	01/02/2010 1500
Dibenzofuran	ND	43	18	N	1	42	11	45-94	40	01/02/2010 1500
2,4-Dichlorophenol	ND	43	20		1	45	15	34-105	40	01/02/2010 1500
Diethylphthalate	ND	43	21	N	1	47	12	48-124	40	01/02/2010 1500
Dimethyl phthalate	ND	43	20		1	46	15	43-122	40	01/02/2010 1500
2,4-Dimethylphenol	ND	43	16		1	37	15	33-77	40	01/02/2010 1500
Di-n-butyl phthalate	ND	43	21	N	1	49	10	50-134	40	01/02/2010 1500
4,6-Dinitro-2-methylphenol	ND	220	100		1	47	13	33-118	40	01/02/2010 1500
2,4-Dinitrophenol	ND	220	87		1	40	8.8	19-119	40	01/02/2010 1500
2,4-Dinitrotoluene	ND	87	40	N	1	46	12	50-104	40	01/02/2010 1500
2,6-Dinitrotoluene	ND	87	42	N	1	48	13	53-128	40	01/02/2010 1500
Di-n-octylphthalate	ND	43	25		1	58	13	40-112	40	01/02/2010 1500
bis(2-Ethylhexyl)phthalate	ND	43	21		1	47	9.1	10-142	40	01/02/2010 1500
Fluoranthene	ND	43	19	N	1	45	9.8	50-124	40	01/02/2010 1500
Fluorene	ND	43	19		1	43	13	39-122	40	01/02/2010 1500
Hexachlorobenzene	ND	43	19	N	1	44	9.6	46-125	40	01/02/2010 1500
Hexachlorobutadiene	ND	43	17	N	1	39	10	42-94	40	01/02/2010 1500
Hexachlorocyclopentadiene	ND	220	62		1	28	5.6	14-89	40	01/02/2010 1500
Hexachloroethane	ND	43	18		1	41	13	39-86	40	01/02/2010 1500
Indeno(1,2,3-c,d)pyrene	ND	43	20		1	45	16	43-113	40	01/02/2010 1500
Isophorone	ND	43	20		1	47	15	42-84	40	01/02/2010 1500
2-Methylnaphthalene	ND	43	18	N	1	40	12	46-90	40	01/02/2010 1500
2-Methylphenol	ND	43	23		1	53	19	33-122	40	01/02/2010 1500
3 & 4-Methylphenol	ND	87	38		1	44	20	24-97	40	01/02/2010 1500

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MSD

Sample ID: KL17018-001MD

Matrix: Aqueous

Batch: 24198

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 12/23/2009 1630

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Naphthalene	ND	43	17	N	1	40	12	46-89	40	01/02/2010 1500
2-Nitroaniline	ND	87	40	N	1	46	13	48-126	40	01/02/2010 1500
3-Nitroaniline	ND	87	12		1	14	13	10-110	40	01/02/2010 1500
4-Nitroaniline	ND	87	35		1	41	10	41-99	40	01/02/2010 1500
Nitrobenzene	ND	43	20		1	46	13	44-91	40	01/02/2010 1500
2-Nitrophenol	ND	87	37		1	42	13	34-102	40	01/02/2010 1500
4-Nitrophenol	ND	220	84		1	39	15	29-122	40	01/02/2010 1500
N-Nitrosodi-n-propylamine	ND	43	22		1	50	15	41-96	40	01/02/2010 1500
N-Nitrosodiphenylamine (Diphenylamine)	ND	43	21		1	49	10	10-150	40	01/02/2010 1500
Pentachlorophenol	ND	220	86		1	40	12	32-110	40	01/02/2010 1500
Phenanthrene	ND	43	19	N	1	44	10	49-122	40	01/02/2010 1500
Phenol	ND	43	14		1	33	17	33-92	40	01/02/2010 1500
Pyrene	ND	43	19	N	1	43	12	50-130	40	01/02/2010 1500
2,4,5-Trichlorophenol	ND	43	20		1	47	12	46-125	40	01/02/2010 1500
2,4,6-Trichlorophenol	ND	43	18		1	42	13	36-123	40	01/02/2010 1500
Surrogate	Q	% Rec	Acceptance Limit							
2-Fluorobiphenyl		87	37-129							
2-Fluorophenol		80	24-127							
Nitrobenzene-d5		99	38-127							
Phenol-d5		67	28-128							
Terphenyl-d14		76	10-148							
2,4,6-Tribromophenol		95	41-144							

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - MB

Sample ID: KQ24171-001

Matrix: Aqueous

Batch: 24171

Prep Method: 3520C

Analytical Method: 8081B

Prep Date: 12/23/2009 1130

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
4,4'-DDD	ND		1	0.025	0.0060	ug/L	12/31/2009 1726
4,4'-DDE	ND		1	0.025	0.0060	ug/L	12/31/2009 1726
4,4'-DDT	ND		1	0.025	0.0030	ug/L	12/31/2009 1726
Aldrin	ND		1	0.025	0.0020	ug/L	12/31/2009 1726
alpha-BHC	ND		1	0.025	0.0030	ug/L	12/31/2009 1726
alpha-Chlordane	ND		1	0.025	0.0030	ug/L	12/31/2009 1726
beta-BHC	ND		1	0.025	0.019	ug/L	12/31/2009 1726
delta-BHC	ND		1	0.025	0.0080	ug/L	12/31/2009 1726
Dieldrin	ND		1	0.025	0.0040	ug/L	12/31/2009 1726
Endosulfan I	ND		1	0.025	0.0060	ug/L	12/31/2009 1726
Endosulfan II	ND		1	0.025	0.024	ug/L	12/31/2009 1726
Endosulfan sulfate	ND		1	0.025	0.0030	ug/L	12/31/2009 1726
Endrin	ND		1	0.025	0.0050	ug/L	12/31/2009 1726
Endrin aldehyde	ND		1	0.025	0.0030	ug/L	12/31/2009 1726
Endrin ketone	ND		1	0.025	0.0040	ug/L	12/31/2009 1726
gamma-BHC (Lindane)	ND		1	0.025	0.0050	ug/L	12/31/2009 1726
gamma-Chlordane	ND		1	0.025	0.0030	ug/L	12/31/2009 1726
Heptachlor	ND		1	0.025	0.020	ug/L	12/31/2009 1726
Heptachlor epoxide	ND		1	0.025	0.0030	ug/L	12/31/2009 1726
Methoxychlor	ND		1	0.10	0.014	ug/L	12/31/2009 1726
Toxaphene	ND		1	0.25	0.030	ug/L	12/31/2009 1726
Surrogate	Q	% Rec	Acceptance Limit				
Decachlorobiphenyl	N	30	49-124				
Tetrachloro-m-xylene		86	58-122				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - LCS

Sample ID: KQ24171-002

Matrix: Aqueous

Batch: 24171

Prep Method: 3520C

Analytical Method: 8081B

Prep Date: 12/23/2009 1130

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
4,4'-DDD	0.50	0.49		1	98	70-130	12/31/2009 1745
4,4'-DDE	0.50	0.47		1	93	70-130	12/31/2009 1745
4,4'-DDT	0.50	0.49		1	98	70-130	12/31/2009 1745
Aldrin	0.50	0.44		1	88	70-130	12/31/2009 1745
alpha-BHC	0.50	0.45		1	90	70-130	12/31/2009 1745
beta-BHC	0.50	0.44		1	88	70-130	12/31/2009 1745
delta-BHC	0.50	0.47		1	95	70-130	12/31/2009 1745
Dieldrin	0.50	0.48		1	95	70-130	12/31/2009 1745
Endosulfan I	0.50	0.45		1	91	70-130	12/31/2009 1745
Endosulfan II	0.50	0.48		1	96	70-130	12/31/2009 1745
Endosulfan sulfate	0.50	0.48		1	96	70-130	12/31/2009 1745
Endrin	0.50	0.49		1	99	70-130	12/31/2009 1745
Endrin aldehyde	0.50	0.49		1	98	70-130	12/31/2009 1745
gamma-BHC (Lindane)	0.50	0.45		1	91	70-130	12/31/2009 1745
gamma-Chlordane	0.50	0.46		1	92	70-130	12/31/2009 1745
Heptachlor	0.50	0.45		1	91	70-130	12/31/2009 1745
Heptachlor epoxide	0.50	0.45		1	89	70-130	12/31/2009 1745
Methoxychlor	0.50	0.59		1	119	70-130	12/31/2009 1745
Surrogate	Q	% Rec	Acceptance Limit				
Decachlorobiphenyl		70	49-124				
Tetrachloro-m-xylene		90	58-122				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - MS

Sample ID: KL17018-001MS

Matrix: Aqueous

Batch: 24171

Prep Method: 3520C

Analytical Method: 8081B

Prep Date: 12/23/2009 1130

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aldrin	ND	1.1	0.91		1	82	70-130	12/31/2009 1825
alpha-BHC	ND	1.1	0.94		1	84	70-130	12/31/2009 1825
beta-BHC	ND	1.1	0.91		1	82	70-130	12/31/2009 1825
delta-BHC	ND	1.1	1.0		1	90	70-130	12/31/2009 1825
gamma-BHC (Lindane)	ND	1.1	0.94		1	85	70-130	12/31/2009 1825
gamma-Chlordane	ND	1.1	0.95		1	85	70-130	12/31/2009 1825
4,4'-DDD	ND	1.1	1.0		1	92	70-130	12/31/2009 1825
4,4'-DDE	ND	1.1	0.96		1	86	70-130	12/31/2009 1825
4,4'-DDT	ND	1.1	1.0		1	92	70-130	12/31/2009 1825
Dieldrin	ND	1.1	0.99		1	89	70-130	12/31/2009 1825
Endosulfan I	ND	1.1	0.92		1	83	70-130	12/31/2009 1825
Endosulfan II	ND	1.1	1.0		1	91	70-130	12/31/2009 1825
Endosulfan sulfate	ND	1.1	1.0		1	92	70-130	12/31/2009 1825
Endrin	ND	1.1	1.1		1	95	70-130	12/31/2009 1825
Endrin aldehyde	ND	1.1	1.0		1	94	70-130	12/31/2009 1825
Heptachlor	ND	1.1	0.95		1	85	70-130	12/31/2009 1825
Heptachlor epoxide	ND	1.1	0.92		1	83	70-130	12/31/2009 1825
Methoxychlor	ND	1.1	1.3		1	116	70-130	12/31/2009 1825
Surrogate	Q	% Rec	Acceptance Limit					
Decachlorobiphenyl		77	49-124					
Tetrachloro-m-xylene		83	58-122					

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - MSD

Sample ID: KL17018-001MD

Matrix: Aqueous

Batch: 24171

Prep Method: 3520C

Analytical Method: 8081B

Prep Date: 12/23/2009 1130

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Aldrin	ND	1.1	0.96		1	86	4.6	70-130	30	12/31/2009 1845
alpha-BHC	ND	1.1	0.98		1	89	4.8	70-130	30	12/31/2009 1845
beta-BHC	ND	1.1	0.94		1	85	3.8	70-130	30	12/31/2009 1845
delta-BHC	ND	1.1	1.0		1	94	4.6	70-130	30	12/31/2009 1845
gamma-BHC (Lindane)	ND	1.1	0.99		1	89	4.7	70-130	30	12/31/2009 1845
gamma-Chlordane	ND	1.1	0.98		1	88	3.8	70-130	30	12/31/2009 1845
4,4'-DDD	ND	1.1	1.1		1	95	3.0	70-130	30	12/31/2009 1845
4,4'-DDE	ND	1.1	0.99		1	89	3.1	70-130	30	12/31/2009 1845
4,4'-DDT	ND	1.1	1.0		1	93	1.1	70-130	30	12/31/2009 1845
Dieldrin	ND	1.1	1.0		1	93	3.9	70-130	30	12/31/2009 1845
Endosulfan I	ND	1.1	0.96		1	87	4.1	70-130	30	12/31/2009 1845
Endosulfan II	ND	1.1	1.0		1	94	2.8	70-130	30	12/31/2009 1845
Endosulfan sulfate	ND	1.1	1.0		1	94	1.5	70-130	30	12/31/2009 1845
Endrin	ND	1.1	1.1		1	97	2.5	70-130	30	12/31/2009 1845
Endrin aldehyde	ND	1.1	1.1		1	96	2.5	70-130	30	12/31/2009 1845
Heptachlor	ND	1.1	0.99		1	89	4.5	70-130	30	12/31/2009 1845
Heptachlor epoxide	ND	1.1	0.96		1	87	4.0	70-130	30	12/31/2009 1845
Methoxychlor	ND	1.1	1.3		1	115	0.14	70-130	30	12/31/2009 1845
Surrogate	Q	% Rec	Acceptance Limit							
Decachlorobiphenyl		78	49-124							
Tetrachloro-m-xylene		86	58-122							

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MB

Sample ID: KQ23888-001

Matrix: Aqueous

Batch: 23888

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/18/2009 1630

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Arsenic	ND		1	0.010	0.0040	mg/L	12/19/2009 1830
Barium	ND		1	0.025	0.0075	mg/L	12/19/2009 1830
Cadmium	ND		1	0.0020	0.00060	mg/L	12/19/2009 1830
Chromium	ND		1	0.0050	0.0021	mg/L	12/19/2009 1830
Lead	ND		1	0.010	0.0019	mg/L	12/19/2009 1830
Selenium	ND		1	0.010	0.0026	mg/L	12/19/2009 1830
Silver	0.0014	J	1	0.0050	0.00040	mg/L	12/21/2009 1725

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCS

Sample ID: KQ23888-002

Matrix: Aqueous

Batch: 23888

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/18/2009 1630

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Arsenic	0.40	0.43		1	107	80-120	12/19/2009 1834
Barium	2.0	2.1		1	104	80-120	12/19/2009 1834
Cadmium	0.40	0.41		1	103	80-120	12/19/2009 1834
Chromium	2.0	1.9		1	96	80-120	12/19/2009 1834
Lead	0.40	0.43		1	107	80-120	12/19/2009 1834
Selenium	0.40	0.44		1	109	80-120	12/19/2009 1834
Silver	0.40	0.40		1	101	80-120	12/21/2009 1731

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCSD

Sample ID: KQ23888-003

Batch: 23888

Analytical Method: 6010C

Matrix: Aqueous

Prep Method: 3005A

Prep Date: 12/18/2009 1630

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Arsenic	0.40	0.43		1	107	0.52	80-120	20	12/19/2009 1838
Barium	2.0	2.1		1	105	0.74	80-120	20	12/19/2009 1838
Cadmium	0.40	0.42		1	104	1.1	80-120	20	12/19/2009 1838
Chromium	2.0	1.9		1	96	0.30	80-120	20	12/19/2009 1838
Lead	0.40	0.43		1	107	0.0012	80-120	20	12/19/2009 1838
Selenium	0.40	0.44		1	110	1.3	80-120	20	12/19/2009 1838
Silver	0.40	0.40		1	101	0.20	80-120	20	12/21/2009 1736

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - MB

Sample ID: KQ23801-001

Batch: 23801

Analytical Method: 7470A

Matrix: Aqueous

Prep Method: 7470A

Prep Date: 12/17/2009 2030

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Mercury	ND		1	0.00010	0.000053	mg/L	12/17/2009 2311

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - LCS

Sample ID: KQ23801-002

Matrix: Aqueous

Batch: 23801

Prep Method: 7470A

Analytical Method: 7470A

Prep Date: 12/17/2009 2030

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.0020	0.0019		1	97	85-115	12/17/2009 2313

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - LCSD

Sample ID: KQ23801-003

Matrix: Aqueous

Batch: 23801

Prep Method: 7470A

Analytical Method: 7470A

Prep Date: 12/17/2009 2030

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	0.0020	0.0018		1	88	9.7	85-115	20	12/17/2009 2316

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

SHEALY ENVIRONMENTAL SERVICES, INC.

106 Vantage Point Drive
West Columbia, South Carolina
Telephone No. (803) 791-9700 Fax No. (803) 791-9701

Number 102699

Client ARCADIS		Report to Contact Janet Christy		Telephone No. / Fax No. / Email 864-987-3900		Quote No. 4421	
Address 2849 Paces Ferry Rd		Sample's Signature <i>[Signature]</i>		Waybill No.		Page 1 of 1	
City Atlanta		Printed Name Eric Maddox		Analysis (Attach list if more space is needed)			
State GA		Zip Code 30339					
Project Name Hunter - HAA-01		P.O. No.		Lot No. KL17018			
Project No. GPOBHAFS-HOIB-NALTM		Sample ID / Description		Remarks / Cooler ID			
(Containers for each sample may be combined on one line.)							
Sample ID		Date		Time		Matrix	
AAA-01-MW-18 (121609)		12/16/09		1348		Adipose	
HMW-9 (121609)		1710				Muscle	
HMW-11 (121609)		1408				Liver	
HMW-8 (121609)		1225				Heart	
HMW-2 (121609)		1105				Spleen	
TB-03 (121609)		↓				Kidney	
						Pancreas	
						Testes	
						Ovaries	
						Uterus	
						Bladder	
						Prostate	
						Semen	
						Salivary Gland	
						Thyroid	
						Adipose	
						Muscle	
						Liver	
						Heart	
						Spleen	
						Kidney	
						Pancreas	
						Testes	
						Ovaries	
						Uterus	
						Bladder	
						Prostate	
						Semen	
						Salivary Gland	
						Thyroid	
						Adipose	
						Muscle	
						Liver	
						Heart	
						Spleen	
						Kidney	
						Pancreas	
						Testes	
						Ovaries	
						Uterus	
						Bladder	
						Prostate	
						Semen	
						Salivary Gland	
						Thyroid	
						Adipose	
						Muscle	
						Liver	
						Heart	
						Spleen	
						Kidney	
						Pancreas	
						Testes	
						Ovaries	
						Uterus	
						Bladder	
						Prostate	
						Semen	
						Salivary Gland	
						Thyroid	
						Adipose	
						Muscle	
						Liver	
						Heart	
						Spleen	
						Kidney	
						Pancreas	
						Testes	
						Ovaries	
						Uterus	
						Bladder	
						Prostate	
						Semen	
						Salivary Gland	
						Thyroid	
						Adipose	
						Muscle	
						Liver	
						Heart	
						Spleen	

DISTRIBUTION: WHITE & YELLOW/ Return to laboratory with Samples(s); PINK-Field/Client Copy

Document Number: FAD-012 Effective Date: 08-04-02

Report of Analysis

ARCADIS U.S., Inc.
30 Patewood Drive
Suite 155
Greenville, SC 29615
Attention: Janet Christy

Project Name: Hunter- HAA-01

Project Number: GP08HAFS.H01B.NALTM

Lot Number: KL17024

Date Completed: 01/07/2010

Date Revised: 01/21/2010



Nisreen Saikaly
Project Manager



This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

* KL17024 *

SHEALY ENVIRONMENTAL SERVICES, INC.

SC DHEC No: 32010

NELAC No: E87653

NC DEHNR No: 329

Case Narrative ARCADIS U.S., Inc. Lot Number: KL17024

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

This report was combined from KL17024, KL17018 and KL17031 as per client request.

Pesticides

The sample results associated with a P qualifier have a relative percent difference (RPD) between the two dissimilar phase GC columns which exceeds 40%. In accordance with Section 7.10.4 of SW-846 method 8000B, the higher of the two results is reported. Due to disparity of the two results, it is likely that the reported results are biased high, or maybe a false positive.

Aldrin is reported at a 10X dilution for sample -001 due to a P-flag hit in the original run.

The initial run of sample -001 had surrogate failures, the 10X run had surrogate failures. The sample was re-extracted out of holding time, the re-extracted results had surrogate failures. This confirms a matrix interference. All runs are reported.

The initial run of samples -002 and -005 had surrogate failures associated with the method blank. The sample was re-extracted out of holding time. All runs are reported.

The initial run of samples -003 and -004 had surrogate failures. The sample was re-extracted out of holding time, the re-extracted results had surrogate failures. This confirms a matrix interference. All runs are reported.

Samples -007 to 011 were analyzed within holding time, however the method blank associated with these samples (batch 24171) had Decachlorobiphenyl below the recovery limits. All samples were re-extracted outside the holding time. All runs are reported.

The LCS recovery for Endrin aldehyde was outside method control limits in batch 24660. This run was used for verification only. Therefore the associated sample results were reported and no corrective action was required.

The LCSD of batch 24638 was spilled in extractions while it was being brought up to volume. The LCSD results are reported.

As per method requirements, only one of the surrogates has to be within acceptance limits. The sample results are reported and no corrective action is required.

Volatile Organic Compounds

The LCSD recovery for Trichlorofluoromethane was outside method control limits in batch 23958. The LCS results were within limits. Therefore the associated sample results were reported and no corrective action was required.

Semivolatile Organic Compounds

The surrogate recovery for Phenol-d5 in sample -013, MB and LCS was outside the acceptance limit in batch 24198. No sample remained for re-extraction. The LCS recovery for six analytes was slightly outside method control limits in batch 24198. As per method, it is statistically likely that a few analytes will be outside control limits; up to five analytes may marginally exceed the control limits. Therefore the associated sample results

SHEALY ENVIRONMENTAL SERVICES, INC.

SC DHEC No: 32010

NELAC No: E87653

NC DEHNR No: 329

Case Narrative ARCADIS U.S., Inc. Lot Number: KL17024

were reported and no corrective action was required.

The MS/MSD recoveries for many analytes in batch 24198 were outside acceptance criteria. All other QA/QC criteria for the batch were within acceptance criteria and method control limits. The MS/MSD recovery results are attributed to matrix interference. The associated sample results were reported and no corrective action was required.

SHEALY ENVIRONMENTAL SERVICES, INC.

Sample Summary ARCADIS U.S., Inc. Lot Number: KL17024

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	HAA01-MW-14 (121609)	Aqueous	12/16/2009 1125	12/17/2009
002	HAA01-MW-14D (121609)	Aqueous	12/16/2009 0905	12/17/2009
003	HAA01-MW-13 (121609)	Aqueous	12/16/2009 1655	12/17/2009
004	COE-MW-08 (121609)	Aqueous	12/16/2009 1520	12/17/2009
005	COE-MW-07 (121609)	Aqueous	12/16/2009 1250	12/17/2009
006	TB-01 (121609)	Aqueous	12/16/2009 0900	12/17/2009
007	HAA01-MW-9 (121609)	Aqueous	12/16/2009 1650	01/18/2010
008	COE-MW-2 (121609)	Aqueous	12/16/2009 1525	01/18/2010
009	COE-MW-3 (121609)	Aqueous	12/16/2009 1210	01/18/2010
010	COE-MW-1 (121609)	Aqueous	12/16/2009 1045	01/18/2010
011	HMW-14R (121609)	Aqueous	12/16/2009 0935	01/18/2010
012	TB-02(121609)	Aqueous	12/16/2009 0930	01/18/2010
013	HAA01-MW-18 (121609)	Aqueous	12/16/2009 1348	01/18/2010
014	HMW-9 (121609)	Aqueous	12/16/2009 1710	01/18/2010
015	HMW-11 (121609)	Aqueous	12/16/2009 1408	01/18/2010
016	HMW-8 (121609)	Aqueous	12/16/2009 1225	01/18/2010
017	HMW-2 (121609)	Aqueous	12/16/2009 1105	01/18/2010
018	TB-03 (121609)	Aqueous	12/16/2009	01/18/2010

(18 samples)

SHEALY ENVIRONMENTAL SERVICES, INC.

Executive Summary

ARCADIS U.S., Inc.

Lot Number: KL17024

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	HAA01-MW-14 (121609)	Aqueous	Toluene	8260B	240		ug/L	7
001	HAA01-MW-14 (121609)	Aqueous	Endrin aldehyde	8081B	0.031	P	ug/L	9
001	HAA01-MW-14 (121609)	Aqueous	Aldrin	8081B	8.4	PH	ug/L	9
001	HAA01-MW-14 (121609)	Aqueous	Endrin aldehyde	8081B	0.030	H	ug/L	10
001	HAA01-MW-14 (121609)	Aqueous	Mercury	7470A	0.000082	J	mg/L	11
001	HAA01-MW-14 (121609)	Aqueous	Barium	6010C	0.067		mg/L	12
001	HAA01-MW-14 (121609)	Aqueous	Chromium	6010C	0.0092		mg/L	12
002	HAA01-MW-14D (121609)	Aqueous	Acetone	8260B	2.4	J	ug/L	13
002	HAA01-MW-14D (121609)	Aqueous	Carbon disulfide	8260B	0.11	J	ug/L	13
002	HAA01-MW-14D (121609)	Aqueous	Barium	6010C	0.010	J	mg/L	18
002	HAA01-MW-14D (121609)	Aqueous	Silver	6010C	0.0011	J	mg/L	18
003	HAA01-MW-13 (121609)	Aqueous	Acetone	8260B	16		ug/L	19
003	HAA01-MW-13 (121609)	Aqueous	Carbon disulfide	8260B	0.73		ug/L	19
003	HAA01-MW-13 (121609)	Aqueous	Barium	6010C	0.12		mg/L	24
003	HAA01-MW-13 (121609)	Aqueous	Chromium	6010C	0.0045	J	mg/L	24
004	COE-MW-08 (121609)	Aqueous	Acetone	8260B	5.6	J	ug/L	25
004	COE-MW-08 (121609)	Aqueous	cis-1,2-Dichloroethene	8260B	16		ug/L	25
004	COE-MW-08 (121609)	Aqueous	Barium	6010C	0.12		mg/L	30
005	COE-MW-07 (121609)	Aqueous	Acetone	8260B	2.2	J	ug/L	31
005	COE-MW-07 (121609)	Aqueous	Benzene	8260B	1.1		ug/L	31
005	COE-MW-07 (121609)	Aqueous	Carbon disulfide	8260B	0.11	J	ug/L	31
005	COE-MW-07 (121609)	Aqueous	trans-1,2-Dichloroethene	8260B	8.9		ug/L	31
005	COE-MW-07 (121609)	Aqueous	1,1-Dichloroethene	8260B	5.8		ug/L	31
005	COE-MW-07 (121609)	Aqueous	cis-1,2-Dichloroethene	8260B	1600		ug/L	31
005	COE-MW-07 (121609)	Aqueous	2-Hexanone	8260B	0.42	J	ug/L	31
005	COE-MW-07 (121609)	Aqueous	Trichloroethene	8260B	0.59		ug/L	32
005	COE-MW-07 (121609)	Aqueous	Barium	6010C	0.042		mg/L	36
005	COE-MW-07 (121609)	Aqueous	Silver	6010C	0.00090	J	mg/L	36
006	TB-01 (121609)	Aqueous	Acetone	8260B	6.1	J	ug/L	37
006	TB-01 (121609)	Aqueous	cis-1,2-Dichloroethene	8260B	1.2	J	ug/L	37
007	HAA01-MW-9 (121609)	Aqueous	Aldrin	8081B	1.0	P	ug/L	41
007	HAA01-MW-9 (121609)	Aqueous	4,4'-DDE	8081B	0.012	JP	ug/L	41
007	HAA01-MW-9 (121609)	Aqueous	Endrin aldehyde	8081B	0.013	JP	ug/L	41
007	HAA01-MW-9 (121609)	Aqueous	Arsenic	6010C	0.0048	J	mg/L	43
007	HAA01-MW-9 (121609)	Aqueous	Barium	6010C	0.10		mg/L	43
008	COE-MW-2 (121609)	Aqueous	Benzene	8260B	2.5		ug/L	44
008	COE-MW-2 (121609)	Aqueous	trans-1,2-Dichloroethene	8260B	4.5		ug/L	44
008	COE-MW-2 (121609)	Aqueous	cis-1,2-Dichloroethene	8260B	130		ug/L	44
008	COE-MW-2 (121609)	Aqueous	Vinyl chloride	8260B	1.8		ug/L	45
008	COE-MW-2 (121609)	Aqueous	Aldrin	8081B	0.66	P	ug/L	46
008	COE-MW-2 (121609)	Aqueous	4,4'-DDT	8081B	0.21	PH	ug/L	47
008	COE-MW-2 (121609)	Aqueous	Barium	6010C	0.042		mg/L	49
008	COE-MW-2 (121609)	Aqueous	Cadmium	6010C	0.00095	J	mg/L	49
008	COE-MW-2 (121609)	Aqueous	Silver	6010C	0.0030	J	mg/L	49
009	COE-MW-3 (121609)	Aqueous	Benzene	8260B	11		ug/L	50

Executive Summary (Continued)

Lot Number: KL17024

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
009	COE-MW-3 (121609)	Aqueous	trans-1,2-Dichloroethene	8260B	230		ug/L	50
009	COE-MW-3 (121609)	Aqueous	1,1-Dichloroethene	8260B	6.4		ug/L	50
009	COE-MW-3 (121609)	Aqueous	cis-1,2-Dichloroethene	8260B	7800		ug/L	50
009	COE-MW-3 (121609)	Aqueous	Toluene	8260B	42		ug/L	50
009	COE-MW-3 (121609)	Aqueous	Vinyl chloride	8260B	1000		ug/L	51
009	COE-MW-3 (121609)	Aqueous	Aldrin	8081B	0.22	P	ug/L	52
009	COE-MW-3 (121609)	Aqueous	Aldrin	8081B	0.012	JPH	ug/L	53
009	COE-MW-3 (121609)	Aqueous	Barium	6010C	0.094		mg/L	55
010	COE-MW-1 (121609)	Aqueous	Acetone	8260B	13		ug/L	56
010	COE-MW-1 (121609)	Aqueous	Benzene	8260B	1.3		ug/L	56
010	COE-MW-1 (121609)	Aqueous	trans-1,2-Dichloroethene	8260B	6.8		ug/L	56
010	COE-MW-1 (121609)	Aqueous	cis-1,2-Dichloroethene	8260B	92		ug/L	56
010	COE-MW-1 (121609)	Aqueous	Toluene	8260B	0.87		ug/L	56
010	COE-MW-1 (121609)	Aqueous	Xylenes (total)	8260B	2.6		ug/L	57
010	COE-MW-1 (121609)	Aqueous	Aldrin	8081B	2.7	P	ug/L	58
010	COE-MW-1 (121609)	Aqueous	Endrin aldehyde	8081B	0.014	J	ug/L	58
010	COE-MW-1 (121609)	Aqueous	Aldrin	8081B	4.6	P	ug/L	59
010	COE-MW-1 (121609)	Aqueous	4,4'-DDT	8081B	0.43	PH	ug/L	60
010	COE-MW-1 (121609)	Aqueous	Mercury	7470A	0.000057	J	mg/L	61
010	COE-MW-1 (121609)	Aqueous	Barium	6010C	0.13		mg/L	62
011	HMW-14R (121609)	Aqueous	Benzene	8260B	0.21	J	ug/L	63
011	HMW-14R (121609)	Aqueous	trans-1,2-Dichloroethene	8260B	17		ug/L	63
011	HMW-14R (121609)	Aqueous	cis-1,2-Dichloroethene	8260B	310		ug/L	63
011	HMW-14R (121609)	Aqueous	Trichloroethene	8260B	1.5		ug/L	64
011	HMW-14R (121609)	Aqueous	Vinyl chloride	8260B	1.3		ug/L	64
011	HMW-14R (121609)	Aqueous	Aldrin	8081B	0.41	P	ug/L	65
011	HMW-14R (121609)	Aqueous	Endrin aldehyde	8081B	0.0066	JP	ug/L	65
011	HMW-14R (121609)	Aqueous	4,4'-DDT	8081B	0.18	PH	ug/L	66
011	HMW-14R (121609)	Aqueous	Barium	6010C	0.048		mg/L	68
011	HMW-14R (121609)	Aqueous	Chromium	6010C	0.0022	J	mg/L	68
013	HAA01-MW-18 (121609)	Aqueous	Barium	6010C	0.011	J	mg/L	77

(76 detections)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-001			
Description: HAA01-MW-14 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1125							
Date Received: 12/17/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/29/2009 0827	RRH		24457		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1	
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1	
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1	
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1	
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1	
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1	
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1	
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1	
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1	
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1	
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1	
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1	
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1	
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1	
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1	
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1	
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1	
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1	
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1	
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1	
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1	
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1	
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1	
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1	
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1	
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1	
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1	
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1	
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1	
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1	
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1	
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1	
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1	
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1	
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1	
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1	
Toluene	108-88-3	8260B	240		0.50	0.17	ug/L	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1	
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1	
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1	
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-001			
Description: HAA01-MW-14 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1125							
Date Received: 12/17/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 0827	Analyst RRH	Prep Date	Batch 24457

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-001			
Description: HAA01-MW-14 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1125							
Date Received: 12/17/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	12/31/2009 1944	NCM	12/23/2009 1130	24171
2	3520C	8081B	10	01/06/2010 2045	NCM	12/23/2009 1130	24171
3	3520C	8081B	1	01/06/2010 0256	NCM	01/04/2010 2121	24660

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		0.25	0.020	ug/L	2
alpha-BHC	319-84-6	8081B	ND		0.025	0.0030	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.025	0.019	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.025	0.0081	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.025	0.0051	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.025	0.0030	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.025	0.0030	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.025	0.0061	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.025	0.0061	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.025	0.0030	ug/L	1
Dieldrin	60-57-1	8081B	ND		0.025	0.0040	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.025	0.0061	ug/L	1
Endosulfan II	33213-65-9	8081B	ND		0.025	0.024	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.025	0.0030	ug/L	1
Endrin	72-20-8	8081B	ND		0.025	0.0051	ug/L	1
Endrin aldehyde	7421-93-4	8081B	0.031	P	0.025	0.0030	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.025	0.0040	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.025	0.020	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.025	0.0030	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.10	0.014	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.25	0.030	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits	Q	Run 3 % Recovery	Acceptance Limits
Decachlorobiphenyl	N	38	49-124	N	42	49-124	HN	21	49-124
Tetrachloro-m-xylene	N	53	58-122	N	57	58-122	H	63	58-122

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	12/31/2009 1944	NCM	12/23/2009 1130	24171
2	3520C	8081B	10	01/06/2010 2045	NCM	12/23/2009 1130	24171
3	3520C	8081B	1	01/06/2010 0256	NCM	01/04/2010 2121	24660

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	8.4	PH	0.025	0.0020	ug/L	3
alpha-BHC	319-84-6	8081B	ND	H	0.025	0.0030	ug/L	3
beta-BHC	319-85-7	8081B	ND	H	0.025	0.019	ug/L	3
delta-BHC	319-86-8	8081B	ND	H	0.025	0.0081	ug/L	3
gamma-BHC (Lindane)	58-89-9	8081B	ND	H	0.025	0.0051	ug/L	3
alpha-Chlordane	5103-71-9	8081B	ND	H	0.025	0.0030	ug/L	3
gamma-Chlordane	5103-74-2	8081B	ND	H	0.025	0.0030	ug/L	3
4,4'-DDD	72-54-8	8081B	ND	H	0.025	0.0061	ug/L	3
4,4'-DDE	72-55-9	8081B	ND	H	0.025	0.0061	ug/L	3
4,4'-DDT	50-29-3	8081B	ND	H	0.025	0.0030	ug/L	3

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.	Laboratory ID: KL17024-001
Description: HAA01-MW-14 (121609)	Matrix: Aqueous
Date Sampled: 12/16/2009 1125	
Date Received: 12/17/2009	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	12/31/2009 1944	NCM	12/23/2009 1130	24171
2	3520C	8081B	10	01/06/2010 2045	NCM	12/23/2009 1130	24171
3	3520C	8081B	1	01/06/2010 0256	NCM	01/04/2010 2121	24660

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Dieldrin	60-57-1	8081B	ND	H	0.025	0.0040	ug/L	3
Endosulfan I	959-98-8	8081B	ND	H	0.025	0.0061	ug/L	3
Endosulfan II	33213-65-9	8081B	ND	H	0.025	0.024	ug/L	3
Endosulfan sulfate	1031-07-8	8081B	ND	H	0.025	0.0030	ug/L	3
Endrin	72-20-8	8081B	ND	H	0.025	0.0051	ug/L	3
Endrin aldehyde	7421-93-4	8081B	0.030	H	0.025	0.0030	ug/L	3
Endrin ketone	53494-70-5	8081B	ND	H	0.025	0.0040	ug/L	3
Heptachlor	76-44-8	8081B	ND	H	0.025	0.020	ug/L	3
Heptachlor epoxide	1024-57-3	8081B	ND	H	0.025	0.0030	ug/L	3
Methoxychlor	72-43-5	8081B	ND	H	0.10	0.014	ug/L	3
Toxaphene	8001-35-2	8081B	ND	H	0.25	0.030	ug/L	3

Surrogate	Run 1			Run 2			Run 3		
	Q	% Recovery	Acceptance Limits	Q	% Recovery	Acceptance Limits	Q	% Recovery	Acceptance Limits
Decachlorobiphenyl	N	38	49-124	N	42	49-124	HN	21	49-124
Tetrachloro-m-xylene	N	53	58-122	N	57	58-122	H	63	58-122

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

CVAA

Client: ARCADIS U.S., Inc.

Laboratory ID: KL17024-001

Description: HAA01-MW-14 (121609)

Matrix: Aqueous

Date Sampled: 12/16/2009 1125

Date Received: 12/17/2009

Run 1	Prep Method	Analytical Method 7470A	Dilution 1	Analysis Date 12/17/2009 2359	Analyst BNW	Prep Date 12/17/2009 2030	Batch 23801				
Parameter			CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Mercury			7439-97-6	7470A	0.000082	J	0.00010	0.000053	mg/L	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 11 of 162

Level 1 Report v2.1

RCRA Metals

Client: ARCADIS U.S., Inc.	Laboratory ID: KL17024-001
Description: HAA01-MW-14 (121609)	Matrix: Aqueous
Date Sampled: 12/16/2009 1125	
Date Received: 12/17/2009	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/29/2009 2309	CDF	12/22/2009 1500	24095
2	3005A	6010C	1	12/30/2009 2225	KJC	12/22/2009 1500	24095
3	3005A	6010C	1	01/04/2010 1709	CDF	12/22/2009 1500	24095

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.010	0.0040	mg/L	1
Barium	7440-39-3	6010C	0.067		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010C	0.0092		0.0050	0.0021	mg/L	3
Lead	7439-92-1	6010C	ND		0.010	0.0019	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	0.0026	mg/L	2
Silver	7440-22-4	6010C	ND		0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-002			
Description: HAA01-MW-14D (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 0905							
Date Received: 12/17/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/30/2009 0145	RRH		24460		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	2.4	J	10	0.061	ug/L	1	
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1	
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1	
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1	
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1	
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1	
Carbon disulfide	75-15-0	8260B	0.11	J	0.50	0.097	ug/L	1	
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1	
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1	
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1	
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1	
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1	
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1	
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1	
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1	
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1	
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1	
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1	
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1	
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1	
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1	
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1	
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1	
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1	
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1	
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1	
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1	
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1	
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1	
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1	
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1	
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1	
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1	
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1	
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1	
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1	
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1	
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1	
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1	
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 13 of 162

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-002			
Description: HAA01-MW-14D (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 0905							
Date Received: 12/17/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/30/2009 0145	Analyst RRH	Prep Date	Batch 24460

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-002			
Description: HAA01-MW-14D (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 0905							
Date Received: 12/17/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	12/31/2009 2004	NCM	12/23/2009 1130	24171
2	3520C	8081B	1	01/06/2010 0315	NCM	01/04/2010 2121	24660

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		0.025	0.0020	ug/L	1
alpha-BHC	319-84-6	8081B	ND		0.025	0.0030	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.025	0.019	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.025	0.0081	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.025	0.0051	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.025	0.0030	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.025	0.0030	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.025	0.0061	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.025	0.0061	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.025	0.0030	ug/L	1
Dieldrin	60-57-1	8081B	ND		0.025	0.0040	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.025	0.0061	ug/L	1
Endosulfan II	33213-65-9	8081B	ND		0.025	0.024	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.025	0.0030	ug/L	1
Endrin	72-20-8	8081B	ND		0.025	0.0051	ug/L	1
Endrin aldehyde	7421-93-4	8081B	ND		0.025	0.0030	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.025	0.0040	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.025	0.020	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.025	0.0030	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.10	0.014	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.25	0.030	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits		
Decachlorobiphenyl		84	49-124	H	92	49-124		
Tetrachloro-m-xylene		83	58-122	H	81	58-122		

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-002			
Description: HAA01-MW-14D (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 0905							
Date Received: 12/17/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	12/31/2009 2004	NCM	12/23/2009 1130	24171
2	3520C	8081B	1	01/06/2010 0315	NCM	01/04/2010 2121	24660

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND	H	0.025	0.0020	ug/L	2
alpha-BHC	319-84-6	8081B	ND	H	0.025	0.0030	ug/L	2
beta-BHC	319-85-7	8081B	ND	H	0.025	0.019	ug/L	2
delta-BHC	319-86-8	8081B	ND	H	0.025	0.0081	ug/L	2
gamma-BHC (Lindane)	58-89-9	8081B	ND	H	0.025	0.0051	ug/L	2
alpha-Chlordane	5103-71-9	8081B	ND	H	0.025	0.0030	ug/L	2
gamma-Chlordane	5103-74-2	8081B	ND	H	0.025	0.0030	ug/L	2
4,4'-DDD	72-54-8	8081B	ND	H	0.025	0.0061	ug/L	2
4,4'-DDE	72-55-9	8081B	ND	H	0.025	0.0061	ug/L	2
4,4'-DDT	50-29-3	8081B	ND	H	0.025	0.0030	ug/L	2
Dieldrin	60-57-1	8081B	ND	H	0.025	0.0040	ug/L	2
Endosulfan I	959-98-8	8081B	ND	H	0.025	0.0061	ug/L	2
Endosulfan II	33213-65-9	8081B	ND	H	0.025	0.024	ug/L	2
Endosulfan sulfate	1031-07-8	8081B	ND	H	0.025	0.0030	ug/L	2
Endrin	72-20-8	8081B	ND	H	0.025	0.0051	ug/L	2
Endrin aldehyde	7421-93-4	8081B	ND	H	0.025	0.0030	ug/L	2
Endrin ketone	53494-70-5	8081B	ND	H	0.025	0.0040	ug/L	2
Heptachlor	76-44-8	8081B	ND	H	0.025	0.020	ug/L	2
Heptachlor epoxide	1024-57-3	8081B	ND	H	0.025	0.0030	ug/L	2
Methoxychlor	72-43-5	8081B	ND	H	0.10	0.014	ug/L	2
Toxaphene	8001-35-2	8081B	ND	H	0.25	0.030	ug/L	2
Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits		
Decachlorobiphenyl		84	49-124	H	92	49-124		
Tetrachloro-m-xylene		83	58-122	H	81	58-122		

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

CVAA

Client: ARCADIS U.S., Inc.

Laboratory ID: KL17024-002

Description: HAA01-MW-14D (121609)

Matrix: Aqueous

Date Sampled: 12/16/2009 0905

Date Received: 12/17/2009

Run 1	Prep Method	Analytical Method 7470A	Dilution 1	Analysis Date 12/18/2009 0002	Analyst BNW	Prep Date 12/17/2009 2030	Batch 23801

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND	0.00010	0.000053		mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 17 of 162

Level 1 Report v2.1

RCRA Metals

Client: ARCADIS U.S., Inc.	Laboratory ID: KL17024-002
Description: HAA01-MW-14D (121609)	Matrix: Aqueous
Date Sampled: 12/16/2009 0905	
Date Received: 12/17/2009	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/29/2009 2315	CDF	12/22/2009 1500	24095
2	3005A	6010C	1	12/30/2009 2231	KJC	12/22/2009 1500	24095
3	3005A	6010C	1	01/04/2010 1713	CDF	12/22/2009 1500	24095

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.010	0.0040	mg/L	1
Barium	7440-39-3	6010C	0.010	J	0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010C	ND		0.0050	0.0021	mg/L	3
Lead	7439-92-1	6010C	ND		0.010	0.0019	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	0.0026	mg/L	2
Silver	7440-22-4	6010C	0.0011	J	0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-003			
Description: HAA01-MW-13 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1655							
Date Received: 12/17/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/29/2009 2352	RRH		24460		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	16		10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	0.73		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-003			
Description: HAA01-MW-13 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1655							
Date Received: 12/17/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 2352	Analyst RRH	Prep Date	Batch 24460

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-003			
Description: HAA01-MW-13 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1655							
Date Received: 12/17/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	12/31/2009 2023	NCM	12/23/2009 1130	24171
2	3520C	8081B	1	01/06/2010 0335	NCM	01/04/2010 2121	24660

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		0.025	0.0020	ug/L	1
alpha-BHC	319-84-6	8081B	ND		0.025	0.0030	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.025	0.019	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.025	0.0081	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.025	0.0051	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.025	0.0030	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.025	0.0030	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.025	0.0061	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.025	0.0061	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.025	0.0030	ug/L	1
Dieldrin	60-57-1	8081B	ND		0.025	0.0040	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.025	0.0061	ug/L	1
Endosulfan II	33213-65-9	8081B	ND		0.025	0.024	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.025	0.0030	ug/L	1
Endrin	72-20-8	8081B	ND		0.025	0.0051	ug/L	1
Endrin aldehyde	7421-93-4	8081B	ND		0.025	0.0030	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.025	0.0040	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.025	0.020	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.025	0.0030	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.10	0.014	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.25	0.030	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits		
Decachlorobiphenyl	N	29	49-124	HN	32	49-124		
Tetrachloro-m-xylene	N	53	58-122	H	80	58-122		

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-003			
Description: HAA01-MW-13 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1655							
Date Received: 12/17/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	12/31/2009 2023	NCM	12/23/2009 1130	24171
2	3520C	8081B	1	01/06/2010 0335	NCM	01/04/2010 2121	24660

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND	H	0.025	0.0020	ug/L	2
alpha-BHC	319-84-6	8081B	ND	H	0.025	0.0030	ug/L	2
beta-BHC	319-85-7	8081B	ND	H	0.025	0.019	ug/L	2
delta-BHC	319-86-8	8081B	ND	H	0.025	0.0081	ug/L	2
gamma-BHC (Lindane)	58-89-9	8081B	ND	H	0.025	0.0051	ug/L	2
alpha-Chlordane	5103-71-9	8081B	ND	H	0.025	0.0030	ug/L	2
gamma-Chlordane	5103-74-2	8081B	ND	H	0.025	0.0030	ug/L	2
4,4'-DDD	72-54-8	8081B	ND	H	0.025	0.0061	ug/L	2
4,4'-DDE	72-55-9	8081B	ND	H	0.025	0.0061	ug/L	2
4,4'-DDT	50-29-3	8081B	ND	H	0.025	0.0030	ug/L	2
Dieldrin	60-57-1	8081B	ND	H	0.025	0.0040	ug/L	2
Endosulfan I	959-98-8	8081B	ND	H	0.025	0.0061	ug/L	2
Endosulfan II	33213-65-9	8081B	ND	H	0.025	0.024	ug/L	2
Endosulfan sulfate	1031-07-8	8081B	ND	H	0.025	0.0030	ug/L	2
Endrin	72-20-8	8081B	ND	H	0.025	0.0051	ug/L	2
Endrin aldehyde	7421-93-4	8081B	ND	H	0.025	0.0030	ug/L	2
Endrin ketone	53494-70-5	8081B	ND	H	0.025	0.0040	ug/L	2
Heptachlor	76-44-8	8081B	ND	H	0.025	0.020	ug/L	2
Heptachlor epoxide	1024-57-3	8081B	ND	H	0.025	0.0030	ug/L	2
Methoxychlor	72-43-5	8081B	ND	H	0.10	0.014	ug/L	2
Toxaphene	8001-35-2	8081B	ND	H	0.25	0.030	ug/L	2
Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits		
Decachlorobiphenyl	N	29	49-124	HN	32	49-124		
Tetrachloro-m-xylene	N	53	58-122	H	80	58-122		

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

CVAA

Client: ARCADIS U.S., Inc.

Laboratory ID: KL17024-003

Description: HAA01-MW-13 (121609)

Matrix: Aqueous

Date Sampled: 12/16/2009 1655

Date Received: 12/17/2009

Run 1	Prep Method	Analytical Method 7470A	Dilution 1	Analysis Date 12/18/2009 0004	Analyst BNW	Prep Date 12/17/2009 2030	Batch 23801

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND	0.00010	0.000053		mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 23 of 162

Level 1 Report v2.1

RCRA Metals

Client: ARCADIS U.S., Inc.	Laboratory ID: KL17024-003
Description: HAA01-MW-13 (121609)	Matrix: Aqueous
Date Sampled: 12/16/2009 1655	
Date Received: 12/17/2009	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/29/2009 2321	CDF	12/22/2009 1500	24095
2	3005A	6010C	1	12/30/2009 2237	KJC	12/22/2009 1500	24095
3	3005A	6010C	1	01/04/2010 1717	CDF	12/22/2009 1500	24095

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.010	0.0040	mg/L	1
Barium	7440-39-3	6010C	0.12		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010C	0.0045	J	0.0050	0.0021	mg/L	3
Lead	7439-92-1	6010C	ND		0.010	0.0019	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	0.0026	mg/L	2
Silver	7440-22-4	6010C	ND		0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-004			
Description: COE-MW-08 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1520							
Date Received: 12/17/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/30/2009 0014	RRH		24460		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	5.6	J	10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	16		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-004			
Description: COE-MW-08 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1520							
Date Received: 12/17/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/30/2009 0014	RRH		24460

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 26 of 162

Level 1 Report v2.1

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-004			
Description: COE-MW-08 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1520							
Date Received: 12/17/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	12/31/2009 2043	NCM	12/23/2009 1130	24171
2	3520C	8081B	1	01/06/2010 0355	NCM	01/04/2010 2121	24660

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		0.025	0.0020	ug/L	1
alpha-BHC	319-84-6	8081B	ND		0.025	0.0030	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.025	0.019	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.025	0.0080	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.025	0.0050	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.025	0.0030	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.025	0.0030	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.025	0.0060	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.025	0.0060	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.025	0.0030	ug/L	1
Dieldrin	60-57-1	8081B	ND		0.025	0.0040	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.025	0.0060	ug/L	1
Endosulfan II	33213-65-9	8081B	ND		0.025	0.024	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.025	0.0030	ug/L	1
Endrin	72-20-8	8081B	ND		0.025	0.0050	ug/L	1
Endrin aldehyde	7421-93-4	8081B	ND		0.025	0.0030	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.025	0.0040	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.025	0.020	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.025	0.0030	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.10	0.014	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.25	0.030	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Decachlorobiphenyl	N	37	49-124	HN	23	49-124
Tetrachloro-m-xylene		84	58-122	HN	51	58-122

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-004			
Description: COE-MW-08 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1520							
Date Received: 12/17/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	12/31/2009 2043	NCM	12/23/2009 1130	24171
2	3520C	8081B	1	01/06/2010 0355	NCM	01/04/2010 2121	24660

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND	H	0.025	0.0020	ug/L	2
alpha-BHC	319-84-6	8081B	ND	H	0.025	0.0030	ug/L	2
beta-BHC	319-85-7	8081B	ND	H	0.025	0.019	ug/L	2
delta-BHC	319-86-8	8081B	ND	H	0.025	0.0081	ug/L	2
gamma-BHC (Lindane)	58-89-9	8081B	ND	H	0.025	0.0051	ug/L	2
alpha-Chlordane	5103-71-9	8081B	ND	H	0.025	0.0030	ug/L	2
gamma-Chlordane	5103-74-2	8081B	ND	H	0.025	0.0030	ug/L	2
4,4'-DDD	72-54-8	8081B	ND	H	0.025	0.0061	ug/L	2
4,4'-DDE	72-55-9	8081B	ND	H	0.025	0.0061	ug/L	2
4,4'-DDT	50-29-3	8081B	ND	H	0.025	0.0030	ug/L	2
Dieldrin	60-57-1	8081B	ND	H	0.025	0.0040	ug/L	2
Endosulfan I	959-98-8	8081B	ND	H	0.025	0.0061	ug/L	2
Endosulfan II	33213-65-9	8081B	ND	H	0.025	0.024	ug/L	2
Endosulfan sulfate	1031-07-8	8081B	ND	H	0.025	0.0030	ug/L	2
Endrin	72-20-8	8081B	ND	H	0.025	0.0051	ug/L	2
Endrin aldehyde	7421-93-4	8081B	ND	H	0.025	0.0030	ug/L	2
Endrin ketone	53494-70-5	8081B	ND	H	0.025	0.0040	ug/L	2
Heptachlor	76-44-8	8081B	ND	H	0.025	0.020	ug/L	2
Heptachlor epoxide	1024-57-3	8081B	ND	H	0.025	0.0030	ug/L	2
Methoxychlor	72-43-5	8081B	ND	H	0.10	0.014	ug/L	2
Toxaphene	8001-35-2	8081B	ND	H	0.25	0.030	ug/L	2

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Decachlorobiphenyl	N	37	49-124	HN	23	49-124
Tetrachloro-m-xylene		84	58-122	HN	51	58-122

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

CVAA

Client: ARCADIS U.S., Inc.

Laboratory ID: KL17024-004

Description: COE-MW-08 (121609)

Matrix: Aqueous

Date Sampled: 12/16/2009 1520

Date Received: 12/17/2009

Run 1	Prep Method	Analytical Method 7470A	Dilution 1	Analysis Date 12/18/2009 0012	Analyst BNW	Prep Date 12/17/2009 2030	Batch 23801

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND	0.00010	0.000053		mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 29 of 162

Level 1 Report v2.1

RCRA Metals

Client: ARCADIS U.S., Inc.

Laboratory ID: KL17024-004

Description: COE-MW-08 (121609)

Matrix: Aqueous

Date Sampled: 12/16/2009 1520

Date Received: 12/17/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/29/2009 2327	CDF	12/22/2009 1500	24095
2	3005A	6010C	1	12/30/2009 2243	KJC	12/22/2009 1500	24095
3	3005A	6010C	1	01/04/2010 1721	CDF	12/22/2009 1500	24095

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.010	0.0040	mg/L	1
Barium	7440-39-3	6010C	0.12		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010C	ND		0.0050	0.0021	mg/L	3
Lead	7439-92-1	6010C	ND		0.010	0.0019	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	0.0026	mg/L	2
Silver	7440-22-4	6010C	ND		0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-005			
Description: COE-MW-07 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1250							
Date Received: 12/17/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/30/2009 0036	RRH		24460
2	5030B	8260B	5	12/30/2009 2301	RRH		24539

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	2.2	J	10	0.061	ug/L	1
Benzene	71-43-2	8260B	1.1		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	0.11	J	0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	8.9		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	5.8		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	1600		2.5	0.44	ug/L	2
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	0.42	J	10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-005			
Description: COE-MW-07 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1250							
Date Received: 12/17/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/30/2009 0036	RRH		24460
2	5030B	8260B	5	12/30/2009 2301	RRH		24539

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1
Trichloroethene	79-01-6	8260B	0.59		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130		105	70-130
Bromofluorobenzene		94	70-130		101	70-130
Toluene-d8		100	70-130		102	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 32 of 162

Level 1 Report v2.1

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-005			
Description: COE-MW-07 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1250							
Date Received: 12/17/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	12/31/2009 2103	NCM	12/23/2009 1130	24171
2	3520C	8081B	1	01/06/2010 0415	NCM	01/04/2010 2121	24660

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		0.025	0.0020	ug/L	1
alpha-BHC	319-84-6	8081B	ND		0.025	0.0030	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.025	0.019	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.025	0.0080	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.025	0.0050	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.025	0.0030	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.025	0.0030	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.025	0.0060	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.025	0.0060	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.025	0.0030	ug/L	1
Dieldrin	60-57-1	8081B	ND		0.025	0.0040	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.025	0.0060	ug/L	1
Endosulfan II	33213-65-9	8081B	ND		0.025	0.024	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.025	0.0030	ug/L	1
Endrin	72-20-8	8081B	ND		0.025	0.0050	ug/L	1
Endrin aldehyde	7421-93-4	8081B	ND		0.025	0.0030	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.025	0.0040	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.025	0.020	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.025	0.0030	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.10	0.014	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.25	0.030	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits		
Decachlorobiphenyl		50	49-124	H	89	49-124		
Tetrachloro-m-xylene		82	58-122	H	72	58-122		

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-005			
Description: COE-MW-07 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1250							
Date Received: 12/17/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	12/31/2009 2103	NCM	12/23/2009 1130	24171
2	3520C	8081B	1	01/06/2010 0415	NCM	01/04/2010 2121	24660

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND	H	0.025	0.0020	ug/L	2
alpha-BHC	319-84-6	8081B	ND	H	0.025	0.0030	ug/L	2
beta-BHC	319-85-7	8081B	ND	H	0.025	0.019	ug/L	2
delta-BHC	319-86-8	8081B	ND	H	0.025	0.0081	ug/L	2
gamma-BHC (Lindane)	58-89-9	8081B	ND	H	0.025	0.0051	ug/L	2
alpha-Chlordane	5103-71-9	8081B	ND	H	0.025	0.0030	ug/L	2
gamma-Chlordane	5103-74-2	8081B	ND	H	0.025	0.0030	ug/L	2
4,4'-DDD	72-54-8	8081B	ND	H	0.025	0.0061	ug/L	2
4,4'-DDE	72-55-9	8081B	ND	H	0.025	0.0061	ug/L	2
4,4'-DDT	50-29-3	8081B	ND	H	0.025	0.0030	ug/L	2
Dieldrin	60-57-1	8081B	ND	H	0.025	0.0040	ug/L	2
Endosulfan I	959-98-8	8081B	ND	H	0.025	0.0061	ug/L	2
Endosulfan II	33213-65-9	8081B	ND	H	0.025	0.024	ug/L	2
Endosulfan sulfate	1031-07-8	8081B	ND	H	0.025	0.0030	ug/L	2
Endrin	72-20-8	8081B	ND	H	0.025	0.0051	ug/L	2
Endrin aldehyde	7421-93-4	8081B	ND	H	0.025	0.0030	ug/L	2
Endrin ketone	53494-70-5	8081B	ND	H	0.025	0.0040	ug/L	2
Heptachlor	76-44-8	8081B	ND	H	0.025	0.020	ug/L	2
Heptachlor epoxide	1024-57-3	8081B	ND	H	0.025	0.0030	ug/L	2
Methoxychlor	72-43-5	8081B	ND	H	0.10	0.014	ug/L	2
Toxaphene	8001-35-2	8081B	ND	H	0.25	0.030	ug/L	2
Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits		
Decachlorobiphenyl		50	49-124	H	89	49-124		
Tetrachloro-m-xylene		82	58-122	H	72	58-122		

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

CVAA

Client: ARCADIS U.S., Inc.

Laboratory ID: KL17024-005

Description: COE-MW-07 (121609)

Matrix: Aqueous

Date Sampled: 12/16/2009 1250

Date Received: 12/17/2009

Run 1	Prep Method	Analytical Method 7470A	Dilution 1	Analysis Date 12/18/2009 0014	Analyst BNW	Prep Date 12/17/2009 2030	Batch 23801

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND	0.00010	0.000053		mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 35 of 162

Level 1 Report v2.1

RCRA Metals

Client: ARCADIS U.S., Inc.

Laboratory ID: KL17024-005

Description: COE-MW-07 (121609)

Matrix: Aqueous

Date Sampled: 12/16/2009 1250

Date Received: 12/17/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/29/2009 2333	CDF	12/22/2009 1500	24095
2	3005A	6010C	1	12/30/2009 2249	KJC	12/22/2009 1500	24095
3	3005A	6010C	1	01/04/2010 1725	CDF	12/22/2009 1500	24095

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.010	0.0040	mg/L	1
Barium	7440-39-3	6010C	0.042		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010C	ND		0.0050	0.0021	mg/L	3
Lead	7439-92-1	6010C	ND		0.010	0.0019	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	0.0026	mg/L	2
Silver	7440-22-4	6010C	0.00090	J	0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-006			
Description: TB-01 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 0900							
Date Received: 12/17/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	5	12/30/2009 0733	RRH		24460		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	6.1	J	50	0.31	ug/L	1	
Benzene	71-43-2	8260B	ND		2.5	0.14	ug/L	1	
Bromodichloromethane	75-27-4	8260B	ND		2.5	0.85	ug/L	1	
Bromoform	75-25-2	8260B	ND		2.5	0.051	ug/L	1	
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.5	1.0	ug/L	1	
2-Butanone (MEK)	78-93-3	8260B	ND		50	10	ug/L	1	
Carbon disulfide	75-15-0	8260B	ND		2.5	0.49	ug/L	1	
Carbon tetrachloride	56-23-5	8260B	ND		2.5	0.43	ug/L	1	
Chlorobenzene	108-90-7	8260B	ND		2.5	0.85	ug/L	1	
Chloroethane	75-00-3	8260B	ND		2.5	0.85	ug/L	1	
Chloroform	67-66-3	8260B	ND		2.5	0.85	ug/L	1	
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.5	0.87	ug/L	1	
Cyclohexane	110-82-7	8260B	ND		2.5	1.5	ug/L	1	
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2.5	0.35	ug/L	1	
Dibromochloromethane	124-48-1	8260B	ND		2.5	0.85	ug/L	1	
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2.5	0.31	ug/L	1	
1,3-Dichlorobenzene	541-73-1	8260B	ND		2.5	0.85	ug/L	1	
1,2-Dichlorobenzene	95-50-1	8260B	ND		2.5	0.85	ug/L	1	
1,4-Dichlorobenzene	106-46-7	8260B	ND		2.5	0.85	ug/L	1	
Dichlorodifluoromethane	75-71-8	8260B	ND		2.5	0.35	ug/L	1	
1,1-Dichloroethane	75-34-3	8260B	ND		2.5	0.27	ug/L	1	
1,2-Dichloroethane	107-06-2	8260B	ND		2.5	0.12	ug/L	1	
trans-1,2-Dichloroethene	156-60-5	8260B	ND		2.5	0.40	ug/L	1	
1,1-Dichloroethene	75-35-4	8260B	ND		2.5	0.47	ug/L	1	
cis-1,2-Dichloroethene	156-59-2	8260B	1.2	J	2.5	0.44	ug/L	1	
1,2-Dichloropropane	78-87-5	8260B	ND		2.5	0.41	ug/L	1	
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2.5	0.90	ug/L	1	
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2.5	0.45	ug/L	1	
Ethylbenzene	100-41-4	8260B	ND		2.5	0.85	ug/L	1	
2-Hexanone	591-78-6	8260B	ND		50	1.4	ug/L	1	
Isopropylbenzene	98-82-8	8260B	ND		2.5	0.14	ug/L	1	
Methyl acetate	79-20-9	8260B	ND		5.0	1.5	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2.5	0.095	ug/L	1	
4-Methyl-2-pentanone	108-10-1	8260B	ND		50	1.6	ug/L	1	
Methylcyclohexane	108-87-2	8260B	ND		25	4.8	ug/L	1	
Methylene chloride	75-09-2	8260B	ND		2.5	0.85	ug/L	1	
Styrene	100-42-5	8260B	ND		2.5	0.075	ug/L	1	
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2.5	0.065	ug/L	1	
Tetrachloroethene	127-18-4	8260B	ND		2.5	0.072	ug/L	1	
Toluene	108-88-3	8260B	ND		2.5	0.85	ug/L	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2.5	1.5	ug/L	1	
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2.5	0.85	ug/L	1	
1,1,1-Trichloroethane	71-55-6	8260B	ND		2.5	0.14	ug/L	1	
1,1,2-Trichloroethane	79-00-5	8260B	ND		2.5	0.16	ug/L	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-006			
Description: TB-01 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 0900							
Date Received: 12/17/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	12/30/2009 0733	RRH		24460

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		2.5	0.12	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		2.5	0.25	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.5	0.33	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		2.5	0.85	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 38 of 162

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-007			
Description: HAA01-MW-9 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1650							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/18/2009 1425	DLB		25653		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1	
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1	
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1	
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1	
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1	
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1	
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1	
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1	
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1	
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1	
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1	
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1	
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1	
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1	
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1	
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1	
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1	
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1	
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1	
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1	
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1	
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1	
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1	
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1	
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1	
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1	
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1	
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1	
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1	
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1	
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1	
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1	
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1	
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1	
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1	
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1	
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1	
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1	
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1	
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-007			
Description: HAA01-MW-9 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1650							
Date Received: 01/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/18/2009 1425	Analyst DLB	Prep Date	Batch 25653

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		112	70-130
Bromofluorobenzene		113	70-130
Toluene-d8		114	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 40 of 162

Level 1 Report v2.1

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-007			
Description: HAA01-MW-9 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1650							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	12/31/2009 2123	NCM	12/23/2009 1130	25659
2	3520C	8081B	2	01/05/2010 1536	NCM	12/23/2009 1130	25659

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	1.0	P	0.053	0.0042	ug/L	2
alpha-BHC	319-84-6	8081B	ND		0.026	0.0032	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.026	0.020	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.026	0.0084	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.026	0.0053	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.026	0.0032	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.026	0.0032	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.026	0.0063	ug/L	1
4,4'-DDE	72-55-9	8081B	0.012	JP	0.026	0.0063	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.026	0.0032	ug/L	1
Dieldrin	60-57-1	8081B	ND		0.026	0.0042	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.026	0.0063	ug/L	1
Endosulfan II	33213-65-9	8081B	ND		0.026	0.025	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.026	0.0032	ug/L	1
Endrin	72-20-8	8081B	ND		0.026	0.0053	ug/L	1
Endrin aldehyde	7421-93-4	8081B	0.013	JP	0.026	0.0032	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.026	0.0042	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.026	0.021	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.026	0.0032	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.11	0.015	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.26	0.032	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits		
Decachlorobiphenyl		77	49-124		77	49-124		
Tetrachloro-m-xylene		77	58-122		79	58-122		

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

CVAA

Client: ARCADIS U.S., Inc.

Laboratory ID: KL17024-007

Description: HAA01-MW-9 (121609)

Matrix: Aqueous

Date Sampled: 12/16/2009 1650

Date Received: 01/18/2010

Run 1	Prep Method	Analytical Method 7470A	Dilution 1	Analysis Date 12/18/2009 0026	Analyst BNW	Prep Date 12/17/2009 2030	Batch 25661

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND	0.00010	0.000053		mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 42 of 162

Level 1 Report v2.1

RCRA Metals

Client: ARCADIS U.S., Inc.

Laboratory ID: KL17024-007

Description: HAA01-MW-9 (121609)

Matrix: Aqueous

Date Sampled: 12/16/2009 1650

Date Received: 01/18/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/30/2009 0037	CDF	12/22/2009 1500	25665
2	3005A	6010C	1	12/30/2009 2354	KJC	12/22/2009 1500	25665

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	0.0048	J	0.010	0.0040	mg/L	1
Barium	7440-39-3	6010C	0.10		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010C	ND		0.0050	0.0021	mg/L	2
Lead	7439-92-1	6010C	ND		0.010	0.0019	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	0.0026	mg/L	2
Silver	7440-22-4	6010C	ND		0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 43 of 162

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-008			
Description: COE-MW-2 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1525							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/18/2009 1552	DLB		25653
2	5030B	8260B	1	12/29/2009 1535	RRH		25654

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1
Benzene	71-43-2	8260B	2.5		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	4.5		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	130		0.50	0.087	ug/L	2
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-008			
Description: COE-MW-2 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1525							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/18/2009 1552	DLB		25653
2	5030B	8260B	1	12/29/2009 1535	RRH		25654

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	1.8		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		111	70-130		95	70-130
Bromofluorobenzene		115	70-130		92	70-130
Toluene-d8		116	70-130		102	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 45 of 162

Level 1 Report v2.1

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-008			
Description: COE-MW-2 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1525							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	12/31/2009 2142	NCM	12/23/2009 1130	25659
2	3520C	8081B	1	01/06/2010 0459	ASB	01/04/2010 1738	25657

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	0.66	P	0.028	0.0022	ug/L	1
alpha-BHC	319-84-6	8081B	ND		0.028	0.0033	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.028	0.021	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.028	0.0089	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.028	0.0056	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.028	0.0033	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.028	0.0033	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.028	0.0067	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.028	0.0067	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.028	0.0033	ug/L	1
Dieldrin	60-57-1	8081B	ND		0.028	0.0044	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.028	0.0067	ug/L	1
Endosulfan II	33213-65-9	8081B	ND		0.028	0.027	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.028	0.0033	ug/L	1
Endrin	72-20-8	8081B	ND		0.028	0.0056	ug/L	1
Endrin aldehyde	7421-93-4	8081B	ND		0.028	0.0033	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.028	0.0044	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.028	0.022	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.028	0.0033	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.11	0.016	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.28	0.033	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits		
Decachlorobiphenyl		64	49-124	H	73	49-124		
Tetrachloro-m-xylene		79	58-122	H	87	58-122		

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-008			
Description: COE-MW-2 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1525							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	12/31/2009 2142	NCM	12/23/2009 1130	25659
2	3520C	8081B	1	01/06/2010 0459	ASB	01/04/2010 1738	25657

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND	H	0.027	0.0022	ug/L	2
alpha-BHC	319-84-6	8081B	ND	H	0.027	0.0033	ug/L	2
beta-BHC	319-85-7	8081B	ND	H	0.027	0.021	ug/L	2
delta-BHC	319-86-8	8081B	ND	H	0.027	0.0088	ug/L	2
gamma-BHC (Lindane)	58-89-9	8081B	ND	H	0.027	0.0055	ug/L	2
alpha-Chlordane	5103-71-9	8081B	ND	H	0.027	0.0033	ug/L	2
gamma-Chlordane	5103-74-2	8081B	ND	H	0.027	0.0033	ug/L	2
4,4'-DDD	72-54-8	8081B	ND	H	0.027	0.0066	ug/L	2
4,4'-DDE	72-55-9	8081B	ND	H	0.027	0.0066	ug/L	2
4,4'-DDT	50-29-3	8081B	0.21	PH	0.027	0.0033	ug/L	2
Dieldrin	60-57-1	8081B	ND	H	0.027	0.0044	ug/L	2
Endosulfan I	959-98-8	8081B	ND	H	0.027	0.0066	ug/L	2
Endosulfan II	33213-65-9	8081B	ND	H	0.027	0.026	ug/L	2
Endosulfan sulfate	1031-07-8	8081B	ND	H	0.027	0.0033	ug/L	2
Endrin	72-20-8	8081B	ND	H	0.027	0.0055	ug/L	2
Endrin aldehyde	7421-93-4	8081B	ND	H	0.027	0.0033	ug/L	2
Endrin ketone	53494-70-5	8081B	ND	H	0.027	0.0044	ug/L	2
Heptachlor	76-44-8	8081B	ND	H	0.027	0.022	ug/L	2
Heptachlor epoxide	1024-57-3	8081B	ND	H	0.027	0.0033	ug/L	2
Methoxychlor	72-43-5	8081B	ND	H	0.11	0.015	ug/L	2
Toxaphene	8001-35-2	8081B	ND	H	0.27	0.033	ug/L	2
Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits		
Decachlorobiphenyl		64	49-124	H	73	49-124		
Tetrachloro-m-xylene		79	58-122	H	87	58-122		

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

CVAA

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-008			
Description: COE-MW-2 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1525							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch			
1		7470A	1	12/18/2009 0047	BNW	12/17/2009 2030	25663			

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND	0.00010	0.000053		mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 48 of 162

Level 1 Report v2.1

RCRA Metals

Client: ARCADIS U.S., Inc.

Laboratory ID: KL17024-008

Description: COE-MW-2 (121609)

Matrix: Aqueous

Date Sampled: 12/16/2009 1525

Date Received: 01/18/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/30/2009 0043	CDF	12/22/2009 1500	25665
2	3005A	6010C	1	12/31/2009 0000	KJC	12/22/2009 1500	25665

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.010	0.0040	mg/L	1
Barium	7440-39-3	6010C	0.042		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010C	0.00095	J	0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010C	ND		0.0050	0.0021	mg/L	2
Lead	7439-92-1	6010C	ND		0.010	0.0019	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	0.0026	mg/L	2
Silver	7440-22-4	6010C	0.0030	J	0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-009			
Description: COE-MW-3 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1210							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	12/18/2009 1509	DLB		25653
2	5030B	8260B	50	12/29/2009 1725	RRH		25654

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		50	0.31	ug/L	1
Benzene	71-43-2	8260B	11		2.5	0.14	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		2.5	0.85	ug/L	1
Bromoform	75-25-2	8260B	ND		2.5	0.051	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.5	1.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		50	10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		2.5	0.49	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		2.5	0.43	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.5	0.85	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.5	0.85	ug/L	1
Chloroform	67-66-3	8260B	ND		2.5	0.85	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.5	0.87	ug/L	1
Cyclohexane	110-82-7	8260B	ND		2.5	1.5	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2.5	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		2.5	0.85	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2.5	0.31	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2.5	0.85	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2.5	0.85	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2.5	0.85	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.5	0.35	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		2.5	0.27	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		2.5	0.12	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	230		2.5	0.40	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	6.4		2.5	0.47	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	7800		25	4.4	ug/L	2
1,2-Dichloropropane	78-87-5	8260B	ND		2.5	0.41	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2.5	0.90	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2.5	0.45	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		2.5	0.85	ug/L	1
2-Hexanone	591-78-6	8260B	ND		50	1.4	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		2.5	0.14	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	1.5	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2.5	0.095	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		50	1.6	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		25	4.8	ug/L	1
Methylene chloride	75-09-2	8260B	ND		2.5	0.85	ug/L	1
Styrene	100-42-5	8260B	ND		2.5	0.075	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2.5	0.065	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		2.5	0.072	ug/L	1
Toluene	108-88-3	8260B	42		2.5	0.85	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2.5	1.5	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2.5	0.85	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		2.5	0.14	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 50 of 162

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-009			
Description: COE-MW-3 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1210							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	12/18/2009 1509	DLB		25653
2	5030B	8260B	50	12/29/2009 1725	RRH		25654

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		2.5	0.16	ug/L	1
Trichloroethene	79-01-6	8260B	ND		2.5	0.12	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		2.5	0.25	ug/L	1
Vinyl chloride	75-01-4	8260B	1000		2.5	0.33	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		2.5	0.85	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		114	70-130		98	70-130
Bromofluorobenzene		116	70-130		91	70-130
Toluene-d8		116	70-130		100	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 51 of 162

Level 1 Report v2.1

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-009			
Description: COE-MW-3 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1210							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	12/31/2009 2202	NCM	12/23/2009 1130	25659
2	3520C	8081B	1	01/06/2010 0514	ASB	01/04/2010 1738	25657

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	0.22	P	0.028	0.0022	ug/L	1
alpha-BHC	319-84-6	8081B	ND		0.028	0.0033	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.028	0.021	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.028	0.0089	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.028	0.0056	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.028	0.0033	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.028	0.0033	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.028	0.0067	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.028	0.0067	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.028	0.0033	ug/L	1
Dieldrin	60-57-1	8081B	ND		0.028	0.0044	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.028	0.0067	ug/L	1
Endosulfan II	33213-65-9	8081B	ND		0.028	0.027	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.028	0.0033	ug/L	1
Endrin	72-20-8	8081B	ND		0.028	0.0056	ug/L	1
Endrin aldehyde	7421-93-4	8081B	ND		0.028	0.0033	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.028	0.0044	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.028	0.022	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.028	0.0033	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.11	0.016	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.28	0.033	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits		
Decachlorobiphenyl	N	41	49-124	H	49	49-124		
Tetrachloro-m-xylene		67	58-122	H	83	58-122		

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-009			
Description: COE-MW-3 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1210							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	12/31/2009 2202	NCM	12/23/2009 1130	25659
2	3520C	8081B	1	01/06/2010 0514	ASB	01/04/2010 1738	25657

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	0.012	JPH	0.026	0.0021	ug/L	2
alpha-BHC	319-84-6	8081B	ND	H	0.026	0.0031	ug/L	2
beta-BHC	319-85-7	8081B	ND	H	0.026	0.020	ug/L	2
delta-BHC	319-86-8	8081B	ND	H	0.026	0.0083	ug/L	2
gamma-BHC (Lindane)	58-89-9	8081B	ND	H	0.026	0.0052	ug/L	2
alpha-Chlordane	5103-71-9	8081B	ND	H	0.026	0.0031	ug/L	2
gamma-Chlordane	5103-74-2	8081B	ND	H	0.026	0.0031	ug/L	2
4,4'-DDD	72-54-8	8081B	ND	H	0.026	0.0063	ug/L	2
4,4'-DDE	72-55-9	8081B	ND	H	0.026	0.0063	ug/L	2
4,4'-DDT	50-29-3	8081B	ND	H	0.026	0.0031	ug/L	2
Dieldrin	60-57-1	8081B	ND	H	0.026	0.0042	ug/L	2
Endosulfan I	959-98-8	8081B	ND	H	0.026	0.0063	ug/L	2
Endosulfan II	33213-65-9	8081B	ND	H	0.026	0.025	ug/L	2
Endosulfan sulfate	1031-07-8	8081B	ND	H	0.026	0.0031	ug/L	2
Endrin	72-20-8	8081B	ND	H	0.026	0.0052	ug/L	2
Endrin aldehyde	7421-93-4	8081B	ND	H	0.026	0.0031	ug/L	2
Endrin ketone	53494-70-5	8081B	ND	H	0.026	0.0042	ug/L	2
Heptachlor	76-44-8	8081B	ND	H	0.026	0.021	ug/L	2
Heptachlor epoxide	1024-57-3	8081B	ND	H	0.026	0.0031	ug/L	2
Methoxychlor	72-43-5	8081B	ND	H	0.10	0.015	ug/L	2
Toxaphene	8001-35-2	8081B	ND	H	0.26	0.031	ug/L	2

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Decachlorobiphenyl	N	41	49-124	H	49	49-124
Tetrachloro-m-xylene		67	58-122	H	83	58-122

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

CVAA

Client: ARCADIS U.S., Inc.

Laboratory ID: KL17024-009

Description: COE-MW-3 (121609)

Matrix: Aqueous

Date Sampled: 12/16/2009 1210

Date Received: 01/18/2010

Run 1	Prep Method	Analytical Method 7470A	Dilution 1	Analysis Date 12/18/2009 0050	Analyst BNW	Prep Date 12/17/2009 2030	Batch 25663

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND	0.00010	0.000053		mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 54 of 162

Level 1 Report v2.1

RCRA Metals

Client: ARCADIS U.S., Inc.

Laboratory ID: KL17024-009

Description: COE-MW-3 (121609)

Matrix: Aqueous

Date Sampled: 12/16/2009 1210

Date Received: 01/18/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/30/2009 0049	CDF	12/22/2009 1500	25665
2	3005A	6010C	1	12/31/2009 0006	KJC	12/22/2009 1500	25665

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.010	0.0040	mg/L	1
Barium	7440-39-3	6010C	0.094		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010C	ND		0.0050	0.0021	mg/L	2
Lead	7439-92-1	6010C	ND		0.010	0.0019	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	0.0026	mg/L	2
Silver	7440-22-4	6010C	ND		0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-010			
Description: COE-MW-1 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1045							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/29/2009 1936	RRH		25654		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	13		10	0.061	ug/L	1	
Benzene	71-43-2	8260B	1.3		0.50	0.027	ug/L	1	
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1	
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1	
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1	
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1	
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1	
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1	
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1	
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1	
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1	
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1	
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1	
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1	
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1	
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1	
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1	
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1	
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1	
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1	
trans-1,2-Dichloroethene	156-60-5	8260B	6.8		0.50	0.079	ug/L	1	
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1	
cis-1,2-Dichloroethene	156-59-2	8260B	92		0.50	0.087	ug/L	1	
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1	
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1	
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1	
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1	
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1	
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1	
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1	
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1	
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1	
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1	
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1	
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1	
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1	
Toluene	108-88-3	8260B	0.87		0.50	0.17	ug/L	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1	
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1	
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1	
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-010			
Description: COE-MW-1 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1045							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/29/2009 1936	RRH		25654		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	2.6		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		97	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-010			
Description: COE-MW-1 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1045							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	12/31/2009 2222	NCM	12/23/2009 1130	25659
2	3520C	8081B	5	01/05/2010 1556	NCM	12/23/2009 1130	25659
3	3520C	8081B	1	01/06/2010 0530	ASB	01/04/2010 1738	25657

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	2.7	P	0.028	0.0022	ug/L	1
alpha-BHC	319-84-6	8081B	ND		0.028	0.0033	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.028	0.021	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.028	0.0089	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.028	0.0056	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.028	0.0033	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.028	0.0033	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.028	0.0067	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.028	0.0067	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.028	0.0033	ug/L	1
Dieldrin	60-57-1	8081B	ND		0.028	0.0044	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.028	0.0067	ug/L	1
Endosulfan II	33213-65-9	8081B	ND		0.028	0.027	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.028	0.0033	ug/L	1
Endrin	72-20-8	8081B	ND		0.028	0.0056	ug/L	1
Endrin aldehyde	7421-93-4	8081B	0.014	J	0.028	0.0033	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.028	0.0044	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.028	0.022	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.028	0.0033	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.11	0.016	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.28	0.033	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits	Q	Run 3 % Recovery	Acceptance Limits
Decachlorobiphenyl		62	49-124		65	49-124	HN	45	49-124
Tetrachloro-m-xylene		78	58-122		84	58-122	H	84	58-122

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-010			
Description: COE-MW-1 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1045							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	12/31/2009 2222	NCM	12/23/2009 1130	25659
2	3520C	8081B	5	01/05/2010 1556	NCM	12/23/2009 1130	25659
3	3520C	8081B	1	01/06/2010 0530	ASB	01/04/2010 1738	25657

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	4.6	P	0.14	0.011	ug/L	2
alpha-BHC	319-84-6	8081B	ND		0.14	0.017	ug/L	2
beta-BHC	319-85-7	8081B	ND		0.14	0.11	ug/L	2
delta-BHC	319-86-8	8081B	ND		0.14	0.044	ug/L	2
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.14	0.028	ug/L	2
alpha-Chlordane	5103-71-9	8081B	ND		0.14	0.017	ug/L	2
gamma-Chlordane	5103-74-2	8081B	ND		0.14	0.017	ug/L	2
4,4'-DDD	72-54-8	8081B	ND		0.14	0.033	ug/L	2
4,4'-DDE	72-55-9	8081B	ND		0.14	0.033	ug/L	2
4,4'-DDT	50-29-3	8081B	ND		0.14	0.017	ug/L	2
Dieldrin	60-57-1	8081B	ND		0.14	0.022	ug/L	2
Endosulfan I	959-98-8	8081B	ND		0.14	0.033	ug/L	2
Endosulfan II	33213-65-9	8081B	ND		0.14	0.13	ug/L	2
Endosulfan sulfate	1031-07-8	8081B	ND		0.14	0.017	ug/L	2
Endrin	72-20-8	8081B	ND		0.14	0.028	ug/L	2
Endrin aldehyde	7421-93-4	8081B	ND		0.14	0.017	ug/L	2
Endrin ketone	53494-70-5	8081B	ND		0.14	0.022	ug/L	2
Heptachlor	76-44-8	8081B	ND		0.14	0.11	ug/L	2
Heptachlor epoxide	1024-57-3	8081B	ND		0.14	0.017	ug/L	2
Methoxychlor	72-43-5	8081B	ND		0.56	0.078	ug/L	2
Toxaphene	8001-35-2	8081B	ND		1.4	0.17	ug/L	2

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits	Q	Run 3 % Recovery	Acceptance Limits
Decachlorobiphenyl		62	49-124		65	49-124	HN	45	49-124
Tetrachloro-m-xylene		78	58-122		84	58-122	H	84	58-122

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-010			
Description: COE-MW-1 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1045							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	12/31/2009 2222	NCM	12/23/2009 1130	25659
2	3520C	8081B	5	01/05/2010 1556	NCM	12/23/2009 1130	25659
3	3520C	8081B	1	01/06/2010 0530	ASB	01/04/2010 1738	25657

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND	H	0.027	0.0022	ug/L	3
alpha-BHC	319-84-6	8081B	ND	H	0.027	0.0033	ug/L	3
beta-BHC	319-85-7	8081B	ND	H	0.027	0.021	ug/L	3
delta-BHC	319-86-8	8081B	ND	H	0.027	0.0087	ug/L	3
gamma-BHC (Lindane)	58-89-9	8081B	ND	H	0.027	0.0054	ug/L	3
alpha-Chlordane	5103-71-9	8081B	ND	H	0.027	0.0033	ug/L	3
gamma-Chlordane	5103-74-2	8081B	ND	H	0.027	0.0033	ug/L	3
4,4'-DDD	72-54-8	8081B	ND	H	0.027	0.0065	ug/L	3
4,4'-DDE	72-55-9	8081B	ND	H	0.027	0.0065	ug/L	3
4,4'-DDT	50-29-3	8081B	0.43	PH	0.027	0.0033	ug/L	3
Dieldrin	60-57-1	8081B	ND	H	0.027	0.0043	ug/L	3
Endosulfan I	959-98-8	8081B	ND	H	0.027	0.0065	ug/L	3
Endosulfan II	33213-65-9	8081B	ND	H	0.027	0.026	ug/L	3
Endosulfan sulfate	1031-07-8	8081B	ND	H	0.027	0.0033	ug/L	3
Endrin	72-20-8	8081B	ND	H	0.027	0.0054	ug/L	3
Endrin aldehyde	7421-93-4	8081B	ND	H	0.027	0.0033	ug/L	3
Endrin ketone	53494-70-5	8081B	ND	H	0.027	0.0043	ug/L	3
Heptachlor	76-44-8	8081B	ND	H	0.027	0.022	ug/L	3
Heptachlor epoxide	1024-57-3	8081B	ND	H	0.027	0.0033	ug/L	3
Methoxychlor	72-43-5	8081B	ND	H	0.11	0.015	ug/L	3
Toxaphene	8001-35-2	8081B	ND	H	0.27	0.033	ug/L	3

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits	Q	Run 3 % Recovery	Acceptance Limits
Decachlorobiphenyl		62	49-124		65	49-124	HN	45	49-124
Tetrachloro-m-xylene		78	58-122		84	58-122	H	84	58-122

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

CVAA

Client: ARCADIS U.S., Inc.

Laboratory ID: KL17024-010

Description: COE-MW-1 (121609)

Matrix: Aqueous

Date Sampled: 12/16/2009 1045

Date Received: 01/18/2010

Run 1	Prep Method	Analytical Method 7470A	Dilution 1	Analysis Date 12/18/2009 0053	Analyst BNW	Prep Date 12/17/2009 2030	Batch 25663

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	0.000057	J	0.00010	0.000053	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 61 of 162

Level 1 Report v2.1

RCRA Metals

Client: ARCADIS U.S., Inc.

Laboratory ID: KL17024-010

Description: COE-MW-1 (121609)

Matrix: Aqueous

Date Sampled: 12/16/2009 1045

Date Received: 01/18/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/30/2009 0054	CDF	12/22/2009 1500	25665
2	3005A	6010C	1	12/31/2009 0012	KJC	12/22/2009 1500	25665

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.010	0.0040	mg/L	1
Barium	7440-39-3	6010C	0.13		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010C	ND		0.0050	0.0021	mg/L	2
Lead	7439-92-1	6010C	ND		0.010	0.0019	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	0.0026	mg/L	2
Silver	7440-22-4	6010C	ND		0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-011			
Description: HMW-14R (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 0935							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/18/2009 1531	DLB		25653
2	5030B	8260B	1	12/29/2009 1557	RRH		25654

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1
Benzene	71-43-2	8260B	0.21	J	0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	17		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	310		0.50	0.087	ug/L	2
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-011			
Description: HMW-14R (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 0935							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/18/2009 1531	DLB		25653
2	5030B	8260B	1	12/29/2009 1557	RRH		25654

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1
Trichloroethene	79-01-6	8260B	1.5		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	1.3		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		114	70-130		94	70-130
Bromofluorobenzene		116	70-130		89	70-130
Toluene-d8		116	70-130		97	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 64 of 162

Level 1 Report v2.1

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-011			
Description: HMW-14R (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 0935							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	12/31/2009 2242	NCM	12/23/2009 1130	25659
2	3520C	8081B	1	01/06/2010 0546	ASB	01/04/2010 1738	25657

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	0.41	P	0.027	0.0022	ug/L	1
alpha-BHC	319-84-6	8081B	ND		0.027	0.0032	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.027	0.020	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.027	0.0086	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.027	0.0054	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.027	0.0032	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.027	0.0032	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.027	0.0065	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.027	0.0065	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.027	0.0032	ug/L	1
Dieldrin	60-57-1	8081B	ND		0.027	0.0043	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.027	0.0065	ug/L	1
Endosulfan II	33213-65-9	8081B	ND		0.027	0.026	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.027	0.0032	ug/L	1
Endrin	72-20-8	8081B	ND		0.027	0.0054	ug/L	1
Endrin aldehyde	7421-93-4	8081B	0.0066	JP	0.027	0.0032	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.027	0.0043	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.027	0.022	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.027	0.0032	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.11	0.015	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.27	0.032	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits		
Decachlorobiphenyl		54	49-124	H	64	49-124		
Tetrachloro-m-xylene		73	58-122	H	80	58-122		

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-011			
Description: HMW-14R (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 0935							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	12/31/2009 2242	NCM	12/23/2009 1130	25659
2	3520C	8081B	1	01/06/2010 0546	ASB	01/04/2010 1738	25657

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND	H	0.027	0.0022	ug/L	2
alpha-BHC	319-84-6	8081B	ND	H	0.027	0.0033	ug/L	2
beta-BHC	319-85-7	8081B	ND	H	0.027	0.021	ug/L	2
delta-BHC	319-86-8	8081B	ND	H	0.027	0.0087	ug/L	2
gamma-BHC (Lindane)	58-89-9	8081B	ND	H	0.027	0.0054	ug/L	2
alpha-Chlordane	5103-71-9	8081B	ND	H	0.027	0.0033	ug/L	2
gamma-Chlordane	5103-74-2	8081B	ND	H	0.027	0.0033	ug/L	2
4,4'-DDD	72-54-8	8081B	ND	H	0.027	0.0065	ug/L	2
4,4'-DDE	72-55-9	8081B	ND	H	0.027	0.0065	ug/L	2
4,4'-DDT	50-29-3	8081B	0.18	PH	0.027	0.0033	ug/L	2
Dieldrin	60-57-1	8081B	ND	H	0.027	0.0043	ug/L	2
Endosulfan I	959-98-8	8081B	ND	H	0.027	0.0065	ug/L	2
Endosulfan II	33213-65-9	8081B	ND	H	0.027	0.026	ug/L	2
Endosulfan sulfate	1031-07-8	8081B	ND	H	0.027	0.0033	ug/L	2
Endrin	72-20-8	8081B	ND	H	0.027	0.0054	ug/L	2
Endrin aldehyde	7421-93-4	8081B	ND	H	0.027	0.0033	ug/L	2
Endrin ketone	53494-70-5	8081B	ND	H	0.027	0.0043	ug/L	2
Heptachlor	76-44-8	8081B	ND	H	0.027	0.022	ug/L	2
Heptachlor epoxide	1024-57-3	8081B	ND	H	0.027	0.0033	ug/L	2
Methoxychlor	72-43-5	8081B	ND	H	0.11	0.015	ug/L	2
Toxaphene	8001-35-2	8081B	ND	H	0.27	0.033	ug/L	2
Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits		
Decachlorobiphenyl		54	49-124	H	64	49-124		
Tetrachloro-m-xylene		73	58-122	H	80	58-122		

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

CVAA

Client: ARCADIS U.S., Inc.

Laboratory ID: KL17024-011

Description: HMW-14R (121609)

Matrix: Aqueous

Date Sampled: 12/16/2009 0935

Date Received: 01/18/2010

Run 1	Prep Method	Analytical Method 7470A	Dilution 1	Analysis Date 12/18/2009 0055	Analyst BNW	Prep Date 12/17/2009 2030	Batch 25663

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND	0.00010	0.000053		mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 67 of 162

Level 1 Report v2.1

RCRA Metals

Client: ARCADIS U.S., Inc.

Laboratory ID: KL17024-011

Description: HMW-14R (121609)

Matrix: Aqueous

Date Sampled: 12/16/2009 0935

Date Received: 01/18/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/30/2009 0251	CDF	12/22/2009 1500	25666
2	3005A	6010C	1	12/31/2009 0059	KJC	12/22/2009 1500	25666

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.010	0.0040	mg/L	1
Barium	7440-39-3	6010C	0.048		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010C	0.0022	J	0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010C	ND		0.010	0.0019	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	0.0026	mg/L	2
Silver	7440-22-4	6010C	ND		0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 68 of 162

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-012			
Description: TB-02(121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 0930							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/18/2009 1447	DLB		25653		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1	
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1	
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1	
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1	
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1	
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1	
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1	
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1	
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1	
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1	
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1	
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1	
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1	
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1	
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1	
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1	
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1	
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1	
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1	
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1	
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1	
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1	
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1	
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1	
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1	
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1	
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1	
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1	
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1	
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1	
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1	
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1	
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1	
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1	
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1	
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1	
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1	
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1	
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1	
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1	
PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" N = Recovery is out of criteria H = Out of holding time									

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-012			
Description: TB-02(121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 0930							
Date Received: 01/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/18/2009 1447	Analyst DLB	Prep Date	Batch 25653

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		112	70-130
Bromofluorobenzene		115	70-130
Toluene-d8		116	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 70 of 162

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-013			
Description: HAA01-MW-18 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1348							
Date Received: 01/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 0616	Analyst RRH	Prep Date	Batch 25655		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1	
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1	
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1	
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1	
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1	
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1	
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1	
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1	
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1	
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1	
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1	
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1	
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1	
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1	
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1	
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1	
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1	
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1	
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1	
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1	
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1	
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1	
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1	
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1	
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1	
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1	
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1	
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1	
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1	
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1	
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1	
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1	
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1	
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1	
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1	
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1	
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1	
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1	
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1	
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 71 of 162

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-013			
Description: HAA01-MW-18 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1348							
Date Received: 01/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 0616	Analyst RRH	Prep Date	Batch 25655

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 72 of 162

Level 1 Report v2.1

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: KL17024-013

Description: HAA01-MW-18 (121609)

Matrix: Aqueous

Date Sampled: 12/16/2009 1348

Date Received: 01/18/2010

Run 1	Prep Method 3520C	Analytical Method 8270D	Dilution 1	Analysis Date 01/07/2010 2325	Analyst GLR	Prep Date 12/23/2009 1630	Batch 25668		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acenaphthene	83-32-9	8270D	ND		1.1	0.10	ug/L	1	
Acenaphthylene	208-96-8	8270D	ND		1.1	0.18	ug/L	1	
Acetophenone	98-86-2	8270D	ND		1.1	0.36	ug/L	1	
Anthracene	120-12-7	8270D	ND		1.1	0.15	ug/L	1	
Atrazine	1912-24-9	8270D	ND		1.1	0.22	ug/L	1	
Benzaldehyde	100-52-7	8270D	ND		5.6	1.1	ug/L	1	
Benzo(a)anthracene	56-55-3	8270D	ND		1.1	0.17	ug/L	1	
Benzo(a)pyrene	50-32-8	8270D	ND		1.1	0.18	ug/L	1	
Benzo(b)fluoranthene	205-99-2	8270D	ND		1.1	0.22	ug/L	1	
Benzo(g,h,i)perylene	191-24-2	8270D	ND		1.1	0.26	ug/L	1	
Benzo(k)fluoranthene	207-08-9	8270D	ND		1.1	0.13	ug/L	1	
1,1'-Biphenyl	92-52-4	8270D	ND		1.1	0.22	ug/L	1	
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		1.1	0.13	ug/L	1	
Butyl benzyl phthalate	85-68-7	8270D	ND		5.6	1.9	ug/L	1	
Caprolactam	105-60-2	8270D	ND		5.6	1.4	ug/L	1	
Carbazole	86-74-8	8270D	ND		1.1	0.28	ug/L	1	
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		1.1	0.25	ug/L	1	
4-Chloroaniline	106-47-8	8270D	ND		1.1	0.15	ug/L	1	
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		1.1	0.15	ug/L	1	
bis(2-Chloroethyl)ether	111-44-4	8270D	ND		1.1	0.15	ug/L	1	
bis(2-Chloroisopropyl)ether	108-60-1	8270D	ND		1.1	0.090	ug/L	1	
2-Chloronaphthalene	91-58-7	8270D	ND		1.1	0.13	ug/L	1	
2-Chlorophenol	95-57-8	8270D	ND		1.1	0.15	ug/L	1	
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		1.1	0.12	ug/L	1	
Chrysene	218-01-9	8270D	ND		1.1	0.13	ug/L	1	
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		1.1	0.15	ug/L	1	
Dibenzofuran	132-64-9	8270D	ND		1.1	0.18	ug/L	1	
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		5.6	0.91	ug/L	1	
2,4-Dichlorophenol	120-83-2	8270D	ND		1.1	0.17	ug/L	1	
Diethylphthalate	84-66-2	8270D	ND		5.6	1.9	ug/L	1	
Dimethyl phthalate	131-11-3	8270D	ND		5.6	1.9	ug/L	1	
2,4-Dimethylphenol	105-67-9	8270D	ND		1.1	0.35	ug/L	1	
Di-n-butyl phthalate	84-74-2	8270D	ND		5.6	1.9	ug/L	1	
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		5.6	1.7	ug/L	1	
2,4-Dinitrophenol	51-28-5	8270D	ND		5.6	0.28	ug/L	1	
2,4-Dinitrotoluene	121-14-2	8270D	ND		2.2	0.51	ug/L	1	
2,6-Dinitrotoluene	606-20-2	8270D	ND		2.2	0.45	ug/L	1	
Di-n-octylphthalate	117-84-0	8270D	ND		5.6	1.9	ug/L	1	
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		5.6	1.9	ug/L	1	
Fluoranthene	206-44-0	8270D	ND		1.1	0.24	ug/L	1	
Fluorene	86-73-7	8270D	ND		1.1	0.11	ug/L	1	
Hexachlorobenzene	118-74-1	8270D	ND		1.1	0.24	ug/L	1	
Hexachlorobutadiene	87-68-3	8270D	ND		1.1	0.10	ug/L	1	
Hexachlorocyclopentadiene	77-47-4	8270D	ND		5.6	0.26	ug/L	1	
PQL = Practical quantitation limit ND = Not detected at or above the MDL Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"									
B = Detected in the method blank J = Estimated result < PQL and ≥ MDL									
E = Quantitation of compound exceeded the calibration range P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria									
H = Out of holding time									

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 73 of 162

Level 1 Report v2.1

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: KL17024-013

Description: HAA01-MW-18 (121609)

Matrix: Aqueous

Date Sampled: 12/16/2009 1348

Date Received: 01/18/2010

Run 1	Prep Method 3520C	Analytical Method 8270D	Dilution 1	Analysis Date 01/07/2010 2325	Analyst GLR	Prep Date 12/23/2009 1630	Batch 25668			
Parameter			CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Hexachloroethane			67-72-1	8270D	ND		1.1	0.12	ug/L	1
Indeno(1,2,3-c,d)pyrene			193-39-5	8270D	ND		1.1	0.26	ug/L	1
Isophorone			78-59-1	8270D	ND		1.1	0.090	ug/L	1
2-Methylnaphthalene			91-57-6	8270D	ND		1.1	0.090	ug/L	1
2-Methylphenol			95-48-7	8270D	ND		1.1	0.19	ug/L	1
3 & 4-Methylphenol			106-44-5	8270D	ND		2.2	0.64	ug/L	1
Naphthalene			91-20-3	8270D	ND		1.1	0.079	ug/L	1
2-Nitroaniline			88-74-4	8270D	ND		2.2	0.62	ug/L	1
3-Nitroaniline			99-09-2	8270D	ND		2.2	0.87	ug/L	1
4-Nitroaniline			100-01-6	8270D	ND		2.2	0.44	ug/L	1
Nitrobenzene			98-95-3	8270D	ND		1.1	0.11	ug/L	1
2-Nitrophenol			88-75-5	8270D	ND		2.2	0.30	ug/L	1
4-Nitrophenol			100-02-7	8270D	ND		5.6	0.72	ug/L	1
N-Nitrosodi-n-propylamine			621-64-7	8270D	ND		1.1	0.090	ug/L	1
N-Nitrosodiphenylamine (Diphenylamine)			86-30-6	8270D	ND		1.1	0.43	ug/L	1
Pentachlorophenol			87-86-5	8270D	ND		5.6	0.61	ug/L	1
Phenanthrene			85-01-8	8270D	ND		1.1	0.20	ug/L	1
Phenol			108-95-2	8270D	ND		1.1	0.12	ug/L	1
Pyrene			129-00-0	8270D	ND		1.1	0.18	ug/L	1
2,4,5-Trichlorophenol			95-95-4	8270D	ND		1.1	0.20	ug/L	1
2,4,6-Trichlorophenol			88-06-2	8270D	ND		1.1	0.25	ug/L	1
Surrogate		Q	Run 1 % Recovery	Acceptance Limits						
2-Fluorobiphenyl			42	37-129						
2-Fluorophenol		N	22	24-127						
Nitrobenzene-d5			39	38-127						
Phenol-d5		N	13	28-128						
Terphenyl-d14			44	10-148						
2,4,6-Tribromophenol		N	37	41-144						

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 74 of 162

Level 1 Report v2.1

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-013			
Description: HAA01-MW-18 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1348							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	12/31/2009 1805	NCM	12/23/2009 1130	25659

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		0.028	0.0022	ug/L	1
alpha-BHC	319-84-6	8081B	ND		0.028	0.0033	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.028	0.021	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.028	0.0089	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.028	0.0056	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.028	0.0033	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.028	0.0033	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.028	0.0067	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.028	0.0067	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.028	0.0033	ug/L	1
Dieldrin	60-57-1	8081B	ND		0.028	0.0044	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.028	0.0067	ug/L	1
Endosulfan II	33213-65-9	8081B	ND		0.028	0.027	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.028	0.0033	ug/L	1
Endrin	72-20-8	8081B	ND		0.028	0.0056	ug/L	1
Endrin aldehyde	7421-93-4	8081B	ND		0.028	0.0033	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.028	0.0044	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.028	0.022	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.028	0.0033	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.11	0.016	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.28	0.033	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		73	49-124
Tetrachloro-m-xylene		84	58-122

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

CVAA

Client: ARCADIS U.S., Inc.

Laboratory ID: KL17024-013

Description: HAA01-MW-18 (121609)

Matrix: Aqueous

Date Sampled: 12/16/2009 1348

Date Received: 01/18/2010

Run 1	Prep Method	Analytical Method 7470A	Dilution 1	Analysis Date 12/17/2009 2347	Analyst BNW	Prep Date 12/17/2009 2030	Batch 25661

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND	0.00010	0.000053		mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 76 of 162

Level 1 Report v2.1

RCRA Metals

Client: ARCADIS U.S., Inc.

Laboratory ID: KL17024-013

Description: HAA01-MW-18 (121609)

Matrix: Aqueous

Date Sampled: 12/16/2009 1348

Date Received: 01/18/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/19/2009 2000	CDF	12/18/2009 1630	25667
2	3005A	6010C	1	12/21/2009 1742	KJC	12/18/2009 1630	25667

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.010	0.0040	mg/L	1
Barium	7440-39-3	6010C	0.011	J	0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010C	ND		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010C	ND		0.010	0.0019	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	0.0026	mg/L	1
Silver	7440-22-4	6010C	ND		0.0050	0.00040	mg/L	2

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-014			
Description: HMW-9 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1710							
Date Received: 01/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 0638	Analyst RRH	Prep Date	Batch 25655			
Parameter			CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone			67-64-1	8260B	ND		10	0.061	ug/L	1
Benzene			71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane			75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform			75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)			74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)			78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide			75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride			56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene			108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane			75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform			67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)			74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane			110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)			96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane			124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)			106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene			541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene			95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene			106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane			75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane			75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane			107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene			156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene			75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene			156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane			78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene			10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene			10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene			100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone			591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene			98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate			79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)			1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone			108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane			108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride			75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene			100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane			79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene			127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene			108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane			76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene			120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane			71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane			79-00-5	8260B	ND		0.50	0.031	ug/L	1
PQL = Practical quantitation limit			B = Detected in the method blank			E = Quantitation of compound exceeded the calibration range				
ND = Not detected at or above the MDL			J = Estimated result < PQL and ≥ MDL			P = The RPD between two GC columns exceeds 40%				
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"						N = Recovery is out of criteria			H = Out of holding time	

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-014			
Description: HMW-9 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1710							
Date Received: 01/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 0638	Analyst RRH	Prep Date	Batch 25655

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-015			
Description: HMW-11 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1408							
Date Received: 01/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 0700	Analyst RRH	Prep Date	Batch 25655			
Parameter			CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone			67-64-1	8260B	ND		10	0.061	ug/L	1
Benzene			71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane			75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform			75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)			74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)			78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide			75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride			56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene			108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane			75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform			67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)			74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane			110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)			96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane			124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)			106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene			541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene			95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene			106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane			75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane			75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane			107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene			156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene			75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene			156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane			78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene			10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene			10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene			100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone			591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene			98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate			79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)			1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone			108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane			108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride			75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene			100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane			79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene			127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene			108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane			76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene			120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane			71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane			79-00-5	8260B	ND		0.50	0.031	ug/L	1
PQL = Practical quantitation limit			B = Detected in the method blank			E = Quantitation of compound exceeded the calibration range				
ND = Not detected at or above the MDL			J = Estimated result < PQL and ≥ MDL			P = The RPD between two GC columns exceeds 40%				
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"						N = Recovery is out of criteria			H = Out of holding time	

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-015			
Description: HMW-11 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1408							
Date Received: 01/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 0700	Analyst RRH	Prep Date	Batch 25655

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	70-130
Bromofluorobenzene		95	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 81 of 162

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-016			
Description: HMW-8 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1225							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	
1	5030B	8260B	1	12/29/2009 0721	RRH		25655	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-016			
Description: HMW-8 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1225							
Date Received: 01/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 0721	Analyst RRH	Prep Date	Batch 25655

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 83 of 162

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-017			
Description: HMW-2 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1105							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/29/2009 0744	RRH		25655		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1	
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1	
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1	
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1	
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1	
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1	
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1	
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1	
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1	
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1	
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1	
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1	
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1	
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1	
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1	
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1	
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1	
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1	
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1	
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1	
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1	
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1	
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1	
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1	
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1	
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1	
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1	
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1	
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1	
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1	
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1	
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1	
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1	
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1	
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1	
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1	
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1	
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1	
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1	
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-017			
Description: HMW-2 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1105							
Date Received: 01/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 0744	Analyst RRH	Prep Date	Batch 25655

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	70-130
Bromofluorobenzene		94	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 85 of 162

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-018			
Description: TB-03 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009							
Date Received: 01/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 0805	Analyst RRH	Prep Date	Batch 25655		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1	
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1	
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1	
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1	
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1	
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1	
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1	
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1	
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1	
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1	
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1	
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1	
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1	
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1	
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1	
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1	
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1	
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1	
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1	
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1	
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1	
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1	
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1	
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1	
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1	
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1	
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1	
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1	
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1	
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1	
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1	
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1	
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1	
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1	
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1	
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1	
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1	
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1	
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1	
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL17024-018			
Description: TB-03 (121609)				Matrix: Aqueous			
Date Sampled: 12/16/2009							
Date Received: 01/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 0805	Analyst RRH	Prep Date	Batch 25655

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ24457-001

Batch: 24457

Analytical Method: 8260B

Matrix: Aqueous

Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	10	0.061	ug/L	12/29/2009 0236
Benzene	ND		1	0.50	0.027	ug/L	12/29/2009 0236
Bromodichloromethane	ND		1	0.50	0.17	ug/L	12/29/2009 0236
Bromoform	ND		1	0.50	0.010	ug/L	12/29/2009 0236
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	12/29/2009 0236
2-Butanone (MEK)	ND		1	10	2.0	ug/L	12/29/2009 0236
Carbon disulfide	ND		1	0.50	0.097	ug/L	12/29/2009 0236
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	12/29/2009 0236
Chlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 0236
Chloroethane	ND		1	0.50	0.17	ug/L	12/29/2009 0236
Chloroform	ND		1	0.50	0.17	ug/L	12/29/2009 0236
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	12/29/2009 0236
Cyclohexane	0.38	J	1	0.50	0.30	ug/L	12/29/2009 0236
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	12/29/2009 0236
Dibromochloromethane	ND		1	0.50	0.17	ug/L	12/29/2009 0236
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	12/29/2009 0236
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 0236
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 0236
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 0236
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	12/29/2009 0236
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	12/29/2009 0236
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	12/29/2009 0236
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	12/29/2009 0236
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	12/29/2009 0236
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	12/29/2009 0236
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	12/29/2009 0236
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	12/29/2009 0236
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	12/29/2009 0236
Ethylbenzene	ND		1	0.50	0.17	ug/L	12/29/2009 0236
2-Hexanone	ND		1	10	0.27	ug/L	12/29/2009 0236
Isopropylbenzene	ND		1	0.50	0.029	ug/L	12/29/2009 0236
Methyl acetate	ND		1	1.0	0.30	ug/L	12/29/2009 0236
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	12/29/2009 0236
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	12/29/2009 0236
Methylcyclohexane	ND		1	5.0	0.95	ug/L	12/29/2009 0236
Methylene chloride	ND		1	0.50	0.17	ug/L	12/29/2009 0236
Styrene	ND		1	0.50	0.015	ug/L	12/29/2009 0236
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	12/29/2009 0236
Tetrachloroethene	ND		1	0.50	0.014	ug/L	12/29/2009 0236
Toluene	ND		1	0.50	0.17	ug/L	12/29/2009 0236
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	12/29/2009 0236
1,2,4-Trichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 0236
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	12/29/2009 0236
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	12/29/2009 0236

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ24457-001

Matrix: Aqueous

Batch: 24457

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.024	ug/L	12/29/2009 0236
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	12/29/2009 0236
Vinyl chloride	ND		1	0.50	0.065	ug/L	12/29/2009 0236
Xylenes (total)	ND		1	0.50	0.17	ug/L	12/29/2009 0236
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		96	70-130				
1,2-Dichloroethane-d4		104	70-130				
Toluene-d8		103	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ24457-002

Matrix: Aqueous

Batch: 24457

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	100		1	104	46-153	12/29/2009 0023
Benzene	50	51		1	102	70-130	12/29/2009 0023
Bromodichloromethane	50	54		1	108	70-130	12/29/2009 0023
Bromoform	50	51		1	102	70-130	12/29/2009 0023
Bromomethane (Methyl bromide)	50	54		1	108	60-140	12/29/2009 0023
2-Butanone (MEK)	100	110		1	105	60-140	12/29/2009 0023
Carbon disulfide	50	54		1	109	60-140	12/29/2009 0023
Carbon tetrachloride	50	53		1	105	70-130	12/29/2009 0023
Chlorobenzene	50	53		1	105	70-130	12/29/2009 0023
Chloroethane	50	54		1	108	42-163	12/29/2009 0023
Chloroform	50	52		1	103	70-130	12/29/2009 0023
Chloromethane (Methyl chloride)	50	50		1	99	20-158	12/29/2009 0023
Cyclohexane	50	59		1	119	70-130	12/29/2009 0023
1,2-Dibromo-3-chloropropane (DBCP)	50	60		1	121	70-130	12/29/2009 0023
Dibromochloromethane	50	58		1	117	70-130	12/29/2009 0023
1,2-Dibromoethane (EDB)	50	54		1	109	70-130	12/29/2009 0023
1,4-Dichlorobenzene	50	55		1	111	70-130	12/29/2009 0023
1,2-Dichlorobenzene	50	53		1	106	70-130	12/29/2009 0023
1,3-Dichlorobenzene	50	55		1	111	70-130	12/29/2009 0023
Dichlorodifluoromethane	50	52		1	104	60-140	12/29/2009 0023
1,2-Dichloroethane	50	51		1	101	70-130	12/29/2009 0023
1,1-Dichloroethane	50	50		1	101	70-130	12/29/2009 0023
cis-1,2-Dichloroethene	50	52		1	104	70-130	12/29/2009 0023
1,1-Dichloroethene	50	52		1	104	70-130	12/29/2009 0023
trans-1,2-Dichloroethene	50	52		1	104	70-130	12/29/2009 0023
1,2-Dichloropropane	50	51		1	102	70-130	12/29/2009 0023
cis-1,3-Dichloropropene	50	50		1	100	70-130	12/29/2009 0023
trans-1,3-Dichloropropene	50	51		1	102	70-130	12/29/2009 0023
Ethylbenzene	50	57		1	113	70-130	12/29/2009 0023
2-Hexanone	100	110		1	106	60-140	12/29/2009 0023
Isopropylbenzene	50	60		1	120	70-130	12/29/2009 0023
Methyl acetate	50	46		1	93	15-128	12/29/2009 0023
Methyl tertiary butyl ether (MTBE)	50	54		1	107	70-130	12/29/2009 0023
4-Methyl-2-pentanone	100	110		1	110	60-140	12/29/2009 0023
Methylcyclohexane	50	60		1	120	70-130	12/29/2009 0023
Methylene chloride	50	49		1	99	70-130	12/29/2009 0023
Styrene	50	60		1	119	70-130	12/29/2009 0023
1,1,2,2-Tetrachloroethane	50	54		1	108	70-130	12/29/2009 0023
Tetrachloroethene	50	54		1	107	70-130	12/29/2009 0023
Toluene	50	54		1	108	70-130	12/29/2009 0023
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	59		1	117	70-130	12/29/2009 0023
1,2,4-Trichlorobenzene	50	61		1	123	70-130	12/29/2009 0023
1,1,2-Trichloroethane	50	53		1	106	70-130	12/29/2009 0023
1,1,1-Trichloroethane	50	54		1	108	70-130	12/29/2009 0023

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ24457-002

Matrix: Aqueous

Batch: 24457

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	53		1	106	70-130	12/29/2009 0023
Trichlorofluoromethane	50	50		1	101	60-140	12/29/2009 0023
Vinyl chloride	50	53		1	106	60-140	12/29/2009 0023
Xylenes (total)	100	110		1	115	70-130	12/29/2009 0023
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		97	70-130				
1,2-Dichloroethane-d4		98	70-130				
Toluene-d8		100	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ24457-003

Matrix: Aqueous

Batch: 24457

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	78	+	1	78	28	46-153	20	12/29/2009 0045
Benzene	50	49		1	99	2.8	70-130	20	12/29/2009 0045
Bromodichloromethane	50	52		1	104	3.7	70-130	20	12/29/2009 0045
Bromoform	50	49		1	98	4.3	70-130	20	12/29/2009 0045
Bromomethane (Methyl bromide)	50	51		1	102	6.2	60-140	20	12/29/2009 0045
2-Butanone (MEK)	100	100		1	101	3.8	60-140	20	12/29/2009 0045
Carbon disulfide	50	51		1	102	6.5	60-140	20	12/29/2009 0045
Carbon tetrachloride	50	51		1	101	4.1	70-130	20	12/29/2009 0045
Chlorobenzene	50	53		1	106	0.56	70-130	20	12/29/2009 0045
Chloroethane	50	51		1	102	6.1	42-163	20	12/29/2009 0045
Chloroform	50	49		1	98	5.2	70-130	20	12/29/2009 0045
Chloromethane (Methyl chloride)	50	49		1	98	1.7	20-158	20	12/29/2009 0045
Cyclohexane	50	57		1	114	3.6	70-130	20	12/29/2009 0045
1,2-Dibromo-3-chloropropane (DBCP)	50	51		1	102	17	70-130	20	12/29/2009 0045
Dibromochloromethane	50	57		1	114	2.0	70-130	20	12/29/2009 0045
1,2-Dibromoethane (EDB)	50	55		1	111	1.9	70-130	20	12/29/2009 0045
1,4-Dichlorobenzene	50	55		1	110	0.64	70-130	20	12/29/2009 0045
1,2-Dichlorobenzene	50	53		1	105	1.1	70-130	20	12/29/2009 0045
1,3-Dichlorobenzene	50	55		1	110	0.64	70-130	20	12/29/2009 0045
Dichlorodifluoromethane	50	50		1	100	3.6	60-140	20	12/29/2009 0045
1,2-Dichloroethane	50	48		1	96	5.2	70-130	20	12/29/2009 0045
1,1-Dichloroethane	50	48		1	95	5.8	70-130	20	12/29/2009 0045
cis-1,2-Dichloroethene	50	48		1	96	7.3	70-130	20	12/29/2009 0045
1,1-Dichloroethene	50	48		1	96	7.4	70-130	20	12/29/2009 0045
trans-1,2-Dichloroethene	50	49		1	99	4.6	70-130	20	12/29/2009 0045
1,2-Dichloropropane	50	51		1	102	0.23	70-130	20	12/29/2009 0045
cis-1,3-Dichloropropene	50	52		1	104	3.3	70-130	20	12/29/2009 0045
trans-1,3-Dichloropropene	50	52		1	104	2.4	70-130	20	12/29/2009 0045
Ethylbenzene	50	57		1	113	0.039	70-130	20	12/29/2009 0045
2-Hexanone	100	110		1	114	7.1	60-140	20	12/29/2009 0045
Isopropylbenzene	50	60		1	119	0.044	70-130	20	12/29/2009 0045
Methyl acetate	50	42		1	85	9.1	15-128	20	12/29/2009 0045
Methyl tertiary butyl ether (MTBE)	50	49		1	97	9.5	70-130	20	12/29/2009 0045
4-Methyl-2-pentanone	100	110		1	107	2.2	60-140	20	12/29/2009 0045
Methylcyclohexane	50	59		1	118	1.7	70-130	20	12/29/2009 0045
Methylene chloride	50	46		1	93	6.4	70-130	20	12/29/2009 0045
Styrene	50	59		1	118	0.64	70-130	20	12/29/2009 0045
1,1,2,2-Tetrachloroethane	50	52		1	104	3.9	70-130	20	12/29/2009 0045
Tetrachloroethene	50	53		1	106	0.60	70-130	20	12/29/2009 0045
Toluene	50	55		1	110	1.6	70-130	20	12/29/2009 0045
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	56		1	112	4.0	70-130	20	12/29/2009 0045
1,2,4-Trichlorobenzene	50	54		1	108	12	70-130	20	12/29/2009 0045
1,1,2-Trichloroethane	50	53		1	107	0.16	70-130	20	12/29/2009 0045
1,1,1-Trichloroethane	50	52		1	103	4.2	70-130	20	12/29/2009 0045

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ24457-003

Matrix: Aqueous

Batch: 24457

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	51		1	102	3.2	70-130	20	12/29/2009 0045
Trichlorofluoromethane	50	48		1	96	5.5	60-140	20	12/29/2009 0045
Vinyl chloride	50	50		1	100	6.1	60-140	20	12/29/2009 0045
Xylenes (total)	100	110		1	112	2.1	70-130	20	12/29/2009 0045
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		97	70-130						
1,2-Dichloroethane-d4		93	70-130						
Toluene-d8		101	70-130						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ24460-001

Matrix: Aqueous

Batch: 24460

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	10	0.061	ug/L	12/29/2009 2253
Benzene	ND		1	0.50	0.027	ug/L	12/29/2009 2253
Bromodichloromethane	ND		1	0.50	0.17	ug/L	12/29/2009 2253
Bromoform	ND		1	0.50	0.010	ug/L	12/29/2009 2253
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	12/29/2009 2253
2-Butanone (MEK)	ND		1	10	2.0	ug/L	12/29/2009 2253
Carbon disulfide	ND		1	0.50	0.097	ug/L	12/29/2009 2253
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	12/29/2009 2253
Chlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2253
Chloroethane	ND		1	0.50	0.17	ug/L	12/29/2009 2253
Chloroform	ND		1	0.50	0.17	ug/L	12/29/2009 2253
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	12/29/2009 2253
Cyclohexane	ND		1	0.50	0.30	ug/L	12/29/2009 2253
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	12/29/2009 2253
Dibromochloromethane	ND		1	0.50	0.17	ug/L	12/29/2009 2253
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	12/29/2009 2253
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2253
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2253
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2253
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	12/29/2009 2253
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	12/29/2009 2253
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	12/29/2009 2253
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	12/29/2009 2253
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	12/29/2009 2253
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	12/29/2009 2253
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	12/29/2009 2253
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	12/29/2009 2253
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	12/29/2009 2253
Ethylbenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2253
2-Hexanone	ND		1	10	0.27	ug/L	12/29/2009 2253
Isopropylbenzene	ND		1	0.50	0.029	ug/L	12/29/2009 2253
Methyl acetate	ND		1	1.0	0.30	ug/L	12/29/2009 2253
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	12/29/2009 2253
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	12/29/2009 2253
Methylcyclohexane	ND		1	5.0	0.95	ug/L	12/29/2009 2253
Methylene chloride	ND		1	0.50	0.17	ug/L	12/29/2009 2253
Styrene	ND		1	0.50	0.015	ug/L	12/29/2009 2253
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	12/29/2009 2253
Tetrachloroethene	ND		1	0.50	0.014	ug/L	12/29/2009 2253
Toluene	ND		1	0.50	0.17	ug/L	12/29/2009 2253
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	12/29/2009 2253
1,2,4-Trichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2253
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	12/29/2009 2253
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	12/29/2009 2253

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ24460-001

Matrix: Aqueous

Batch: 24460

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.024	ug/L	12/29/2009 2253
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	12/29/2009 2253
Vinyl chloride	ND		1	0.50	0.065	ug/L	12/29/2009 2253
Xylenes (total)	ND		1	0.50	0.17	ug/L	12/29/2009 2253
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		95	70-130				
1,2-Dichloroethane-d4		98	70-130				
Toluene-d8		99	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ24460-002

Matrix: Aqueous

Batch: 24460

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	120		1	117	46-153	12/29/2009 2125
Benzene	50	50		1	99	70-130	12/29/2009 2125
Bromodichloromethane	50	52		1	105	70-130	12/29/2009 2125
Bromoform	50	40		1	80	70-130	12/29/2009 2125
Bromomethane (Methyl bromide)	50	55		1	109	60-140	12/29/2009 2125
2-Butanone (MEK)	100	110		1	109	60-140	12/29/2009 2125
Carbon disulfide	50	51		1	102	60-140	12/29/2009 2125
Carbon tetrachloride	50	50		1	100	70-130	12/29/2009 2125
Chlorobenzene	50	53		1	105	70-130	12/29/2009 2125
Chloroethane	50	54		1	108	42-163	12/29/2009 2125
Chloroform	50	50		1	101	70-130	12/29/2009 2125
Chloromethane (Methyl chloride)	50	49		1	98	20-158	12/29/2009 2125
Cyclohexane	50	56		1	112	70-130	12/29/2009 2125
1,2-Dibromo-3-chloropropane (DBCP)	50	55		1	110	70-130	12/29/2009 2125
Dibromochloromethane	50	54		1	108	70-130	12/29/2009 2125
1,2-Dibromoethane (EDB)	50	53		1	106	70-130	12/29/2009 2125
1,4-Dichlorobenzene	50	54		1	108	70-130	12/29/2009 2125
1,2-Dichlorobenzene	50	52		1	104	70-130	12/29/2009 2125
1,3-Dichlorobenzene	50	54		1	108	70-130	12/29/2009 2125
Dichlorodifluoromethane	50	48		1	96	60-140	12/29/2009 2125
1,2-Dichloroethane	50	50		1	101	70-130	12/29/2009 2125
1,1-Dichloroethane	50	50		1	100	70-130	12/29/2009 2125
cis-1,2-Dichloroethene	50	50		1	101	70-130	12/29/2009 2125
1,1-Dichloroethene	50	49		1	99	70-130	12/29/2009 2125
trans-1,2-Dichloroethene	50	51		1	102	70-130	12/29/2009 2125
1,2-Dichloropropane	50	51		1	103	70-130	12/29/2009 2125
cis-1,3-Dichloropropene	50	49		1	98	70-130	12/29/2009 2125
trans-1,3-Dichloropropene	50	48		1	96	70-130	12/29/2009 2125
Ethylbenzene	50	55		1	110	70-130	12/29/2009 2125
2-Hexanone	100	100		1	102	60-140	12/29/2009 2125
Isopropylbenzene	50	59		1	118	70-130	12/29/2009 2125
Methyl acetate	50	47		1	94	15-128	12/29/2009 2125
Methyl tertiary butyl ether (MTBE)	50	53		1	106	70-130	12/29/2009 2125
4-Methyl-2-pentanone	100	100		1	103	60-140	12/29/2009 2125
Methylcyclohexane	50	55		1	111	70-130	12/29/2009 2125
Methylene chloride	50	49		1	98	70-130	12/29/2009 2125
Styrene	50	58		1	117	70-130	12/29/2009 2125
1,1,2,2-Tetrachloroethane	50	53		1	106	70-130	12/29/2009 2125
Tetrachloroethene	50	53		1	105	70-130	12/29/2009 2125
Toluene	50	54		1	108	70-130	12/29/2009 2125
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	55		1	109	70-130	12/29/2009 2125
1,2,4-Trichlorobenzene	50	60		1	121	70-130	12/29/2009 2125
1,1,2-Trichloroethane	50	53		1	105	70-130	12/29/2009 2125
1,1,1-Trichloroethane	50	53		1	107	70-130	12/29/2009 2125

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ24460-002

Matrix: Aqueous

Batch: 24460

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	51		1	103	70-130	12/29/2009 2125
Trichlorofluoromethane	50	45		1	90	60-140	12/29/2009 2125
Vinyl chloride	50	50		1	100	60-140	12/29/2009 2125
Xylenes (total)	100	110		1	112	70-130	12/29/2009 2125
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		95	70-130				
1,2-Dichloroethane-d4		97	70-130				
Toluene-d8		103	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ24460-003

Matrix: Aqueous

Batch: 24460

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	100		1	103	13	46-153	20	12/29/2009 2147
Benzene	50	45		1	90	9.6	70-130	20	12/29/2009 2147
Bromodichloromethane	50	48		1	96	8.7	70-130	20	12/29/2009 2147
Bromoform	50	36		1	72	10	70-130	20	12/29/2009 2147
Bromomethane (Methyl bromide)	50	49		1	98	10	60-140	20	12/29/2009 2147
2-Butanone (MEK)	100	99		1	99	9.3	60-140	20	12/29/2009 2147
Carbon disulfide	50	45		1	91	12	60-140	20	12/29/2009 2147
Carbon tetrachloride	50	44		1	89	12	70-130	20	12/29/2009 2147
Chlorobenzene	50	49		1	98	6.6	70-130	20	12/29/2009 2147
Chloroethane	50	49		1	97	11	42-163	20	12/29/2009 2147
Chloroform	50	45		1	91	10	70-130	20	12/29/2009 2147
Chloromethane (Methyl chloride)	50	44		1	88	11	20-158	20	12/29/2009 2147
Cyclohexane	50	50		1	100	11	70-130	20	12/29/2009 2147
1,2-Dibromo-3-chloropropane (DBCP)	50	47		1	94	15	70-130	20	12/29/2009 2147
Dibromochloromethane	50	49		1	97	10	70-130	20	12/29/2009 2147
1,2-Dibromoethane (EDB)	50	50		1	99	6.5	70-130	20	12/29/2009 2147
1,4-Dichlorobenzene	50	51		1	102	5.2	70-130	20	12/29/2009 2147
1,2-Dichlorobenzene	50	50		1	100	3.9	70-130	20	12/29/2009 2147
1,3-Dichlorobenzene	50	51		1	102	5.2	70-130	20	12/29/2009 2147
Dichlorodifluoromethane	50	43		1	86	10	60-140	20	12/29/2009 2147
1,2-Dichloroethane	50	47		1	94	7.2	70-130	20	12/29/2009 2147
1,1-Dichloroethane	50	44		1	88	13	70-130	20	12/29/2009 2147
cis-1,2-Dichloroethene	50	45		1	90	11	70-130	20	12/29/2009 2147
1,1-Dichloroethene	50	44		1	87	12	70-130	20	12/29/2009 2147
trans-1,2-Dichloroethene	50	45		1	91	12	70-130	20	12/29/2009 2147
1,2-Dichloropropane	50	48		1	96	7.3	70-130	20	12/29/2009 2147
cis-1,3-Dichloropropene	50	46		1	91	6.8	70-130	20	12/29/2009 2147
trans-1,3-Dichloropropene	50	45		1	90	6.6	70-130	20	12/29/2009 2147
Ethylbenzene	50	52		1	105	4.9	70-130	20	12/29/2009 2147
2-Hexanone	100	98		1	98	3.6	60-140	20	12/29/2009 2147
Isopropylbenzene	50	56		1	113	4.8	70-130	20	12/29/2009 2147
Methyl acetate	50	41		1	83	13	15-128	20	12/29/2009 2147
Methyl tertiary butyl ether (MTBE)	50	47		1	94	13	70-130	20	12/29/2009 2147
4-Methyl-2-pentanone	100	96		1	96	7.4	60-140	20	12/29/2009 2147
Methylcyclohexane	50	51		1	101	8.9	70-130	20	12/29/2009 2147
Methylene chloride	50	44		1	88	11	70-130	20	12/29/2009 2147
Styrene	50	55		1	111	5.4	70-130	20	12/29/2009 2147
1,1,2,2-Tetrachloroethane	50	50		1	99	6.3	70-130	20	12/29/2009 2147
Tetrachloroethene	50	49		1	98	7.2	70-130	20	12/29/2009 2147
Toluene	50	51		1	102	5.9	70-130	20	12/29/2009 2147
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	51		1	102	7.2	70-130	20	12/29/2009 2147
1,2,4-Trichlorobenzene	50	54		1	107	11	70-130	20	12/29/2009 2147
1,1,2-Trichloroethane	50	50		1	100	4.7	70-130	20	12/29/2009 2147
1,1,1-Trichloroethane	50	48		1	96	10	70-130	20	12/29/2009 2147

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ24460-003

Matrix: Aqueous

Batch: 24460

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	47		1	94	8.2	70-130	20	12/29/2009 2147
Trichlorofluoromethane	50	42		1	85	6.6	60-140	20	12/29/2009 2147
Vinyl chloride	50	45		1	90	11	60-140	20	12/29/2009 2147
Xylenes (total)	100	110		1	105	6.5	70-130	20	12/29/2009 2147
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		98	70-130						
1,2-Dichloroethane-d4		94	70-130						
Toluene-d8		103	70-130						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ24539-001

Batch: 24539

Analytical Method: 8260B

Matrix: Aqueous

Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	12/30/2009 2122
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		98	70-130				
1,2-Dichloroethane-d4		101	70-130				
Toluene-d8		99	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ24539-002

Matrix: Aqueous

Batch: 24539

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
cis-1,2-Dichloroethene	50	48		1	96	70-130	12/30/2009 1958
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		103	70-130				
1,2-Dichloroethane-d4		97	70-130				
Toluene-d8		99	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ24539-003

Matrix: Aqueous

Batch: 24539

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
cis-1,2-Dichloroethene	50	48		1	96	0.25	70-130	20	12/30/2009 2019
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		101	70-130						
1,2-Dichloroethane-d4		97	70-130						
Toluene-d8		99	70-130						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ25653-001

Matrix: Aqueous

Batch: 25653

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	10	0.061	ug/L	12/18/2009 1102
Benzene	ND		1	0.50	0.027	ug/L	12/18/2009 1102
Bromodichloromethane	ND		1	0.50	0.17	ug/L	12/18/2009 1102
Bromoform	ND		1	0.50	0.010	ug/L	12/18/2009 1102
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	12/18/2009 1102
2-Butanone (MEK)	ND		1	10	2.0	ug/L	12/18/2009 1102
Carbon disulfide	ND		1	0.50	0.097	ug/L	12/18/2009 1102
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	12/18/2009 1102
Chlorobenzene	ND		1	0.50	0.17	ug/L	12/18/2009 1102
Chloroethane	ND		1	0.50	0.17	ug/L	12/18/2009 1102
Chloroform	ND		1	0.50	0.17	ug/L	12/18/2009 1102
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	12/18/2009 1102
Cyclohexane	ND		1	0.50	0.30	ug/L	12/18/2009 1102
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	12/18/2009 1102
Dibromochloromethane	ND		1	0.50	0.17	ug/L	12/18/2009 1102
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	12/18/2009 1102
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/18/2009 1102
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/18/2009 1102
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/18/2009 1102
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	12/18/2009 1102
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	12/18/2009 1102
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	12/18/2009 1102
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	12/18/2009 1102
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	12/18/2009 1102
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	12/18/2009 1102
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	12/18/2009 1102
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	12/18/2009 1102
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	12/18/2009 1102
Ethylbenzene	ND		1	0.50	0.17	ug/L	12/18/2009 1102
2-Hexanone	ND		1	10	0.27	ug/L	12/18/2009 1102
Isopropylbenzene	ND		1	0.50	0.029	ug/L	12/18/2009 1102
Methyl acetate	ND		1	1.0	0.30	ug/L	12/18/2009 1102
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	12/18/2009 1102
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	12/18/2009 1102
Methylcyclohexane	ND		1	5.0	0.95	ug/L	12/18/2009 1102
Methylene chloride	ND		1	0.50	0.17	ug/L	12/18/2009 1102
Styrene	ND		1	0.50	0.015	ug/L	12/18/2009 1102
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	12/18/2009 1102
Tetrachloroethene	ND		1	0.50	0.014	ug/L	12/18/2009 1102
Toluene	ND		1	0.50	0.17	ug/L	12/18/2009 1102
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	12/18/2009 1102
1,2,4-Trichlorobenzene	ND		1	0.50	0.17	ug/L	12/18/2009 1102
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	12/18/2009 1102
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	12/18/2009 1102

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ25653-001

Matrix: Aqueous

Batch: 25653

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.024	ug/L	12/18/2009 1102
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	12/18/2009 1102
Vinyl chloride	ND		1	0.50	0.065	ug/L	12/18/2009 1102
Xylenes (total)	ND		1	0.50	0.17	ug/L	12/18/2009 1102
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		114	70-130				
1,2-Dichloroethane-d4		114	70-130				
Toluene-d8		115	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: LQ25653-002

Matrix: Aqueous

Batch: 25653

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	110		1	110	46-153	12/18/2009 0933
Benzene	50	50		1	101	70-130	12/18/2009 0933
Bromodichloromethane	50	53		1	107	70-130	12/18/2009 0933
Bromoform	50	55		1	111	70-130	12/18/2009 0933
Bromomethane (Methyl bromide)	50	49		1	99	60-140	12/18/2009 0933
2-Butanone (MEK)	100	100		1	100	60-140	12/18/2009 0933
Carbon disulfide	50	52		1	104	60-140	12/18/2009 0933
Carbon tetrachloride	50	58		1	116	70-130	12/18/2009 0933
Chlorobenzene	50	52		1	103	70-130	12/18/2009 0933
Chloroethane	50	56		1	111	42-163	12/18/2009 0933
Chloroform	50	50		1	100	70-130	12/18/2009 0933
Chloromethane (Methyl chloride)	50	52		1	104	20-158	12/18/2009 0933
Cyclohexane	50	56		1	113	70-130	12/18/2009 0933
1,2-Dibromo-3-chloropropane (DBCP)	50	50		1	99	70-130	12/18/2009 0933
Dibromochloromethane	50	55		1	110	70-130	12/18/2009 0933
1,2-Dibromoethane (EDB)	50	52		1	104	70-130	12/18/2009 0933
1,4-Dichlorobenzene	50	61		1	122	70-130	12/18/2009 0933
1,2-Dichlorobenzene	50	63		1	126	70-130	12/18/2009 0933
1,3-Dichlorobenzene	50	60		1	121	70-130	12/18/2009 0933
Dichlorodifluoromethane	50	60		1	121	60-140	12/18/2009 0933
1,2-Dichloroethane	50	50		1	101	70-130	12/18/2009 0933
1,1-Dichloroethane	50	50		1	101	70-130	12/18/2009 0933
cis-1,2-Dichloroethene	50	51		1	102	70-130	12/18/2009 0933
1,1-Dichloroethene	50	54		1	109	70-130	12/18/2009 0933
trans-1,2-Dichloroethene	50	52		1	104	70-130	12/18/2009 0933
1,2-Dichloropropane	50	52		1	104	70-130	12/18/2009 0933
cis-1,3-Dichloropropene	50	55		1	109	70-130	12/18/2009 0933
trans-1,3-Dichloropropene	50	56		1	112	70-130	12/18/2009 0933
Ethylbenzene	50	53		1	106	70-130	12/18/2009 0933
2-Hexanone	100	99		1	99	60-140	12/18/2009 0933
Isopropylbenzene	50	54		1	107	70-130	12/18/2009 0933
Methyl acetate	50	47		1	94	15-128	12/18/2009 0933
Methyl tertiary butyl ether (MTBE)	50	50		1	100	70-130	12/18/2009 0933
4-Methyl-2-pentanone	100	85		1	85	60-140	12/18/2009 0933
Methylcyclohexane	50	57		1	114	70-130	12/18/2009 0933
Methylene chloride	50	56		1	113	70-130	12/18/2009 0933
Styrene	50	55		1	109	70-130	12/18/2009 0933
1,1,2,2-Tetrachloroethane	50	52		1	104	70-130	12/18/2009 0933
Tetrachloroethene	50	56		1	111	70-130	12/18/2009 0933
Toluene	50	51		1	102	70-130	12/18/2009 0933
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	50		1	100	70-130	12/18/2009 0933
1,2,4-Trichlorobenzene	50	62		1	124	70-130	12/18/2009 0933
1,1,2-Trichloroethane	50	53		1	105	70-130	12/18/2009 0933
1,1,1-Trichloroethane	50	56		1	111	70-130	12/18/2009 0933

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: LQ25653-002

Matrix: Aqueous

Batch: 25653

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	52		1	104	70-130	12/18/2009 0933
Trichlorofluoromethane	50	50		1	99	60-140	12/18/2009 0933
Vinyl chloride	50	58		1	116	60-140	12/18/2009 0933
Xylenes (total)	100	110		1	107	70-130	12/18/2009 0933
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		117	70-130				
1,2-Dichloroethane-d4		110	70-130				
Toluene-d8		117	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ25653-003

Matrix: Aqueous

Batch: 25653

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	110		1	111	1.1	46-153	20	12/18/2009 0954
Benzene	50	50		1	101	0.23	70-130	20	12/18/2009 0954
Bromodichloromethane	50	53		1	107	0.017	70-130	20	12/18/2009 0954
Bromoform	50	59		1	118	6.4	70-130	20	12/18/2009 0954
Bromomethane (Methyl bromide)	50	51		1	102	3.0	60-140	20	12/18/2009 0954
2-Butanone (MEK)	100	100		1	104	3.9	60-140	20	12/18/2009 0954
Carbon disulfide	50	51		1	102	2.0	60-140	20	12/18/2009 0954
Carbon tetrachloride	50	57		1	114	1.7	70-130	20	12/18/2009 0954
Chlorobenzene	50	52		1	103	0.14	70-130	20	12/18/2009 0954
Chloroethane	50	55		1	110	1.3	42-163	20	12/18/2009 0954
Chloroform	50	49		1	99	1.6	70-130	20	12/18/2009 0954
Chloromethane (Methyl chloride)	50	51		1	103	0.94	20-158	20	12/18/2009 0954
Cyclohexane	50	55		1	109	3.1	70-130	20	12/18/2009 0954
1,2-Dibromo-3-chloropropane (DBCP)	50	52		1	104	4.7	70-130	20	12/18/2009 0954
Dibromochloromethane	50	57		1	114	2.9	70-130	20	12/18/2009 0954
1,2-Dibromoethane (EDB)	50	53		1	107	2.5	70-130	20	12/18/2009 0954
1,4-Dichlorobenzene	50	60		1	119	2.3	70-130	20	12/18/2009 0954
1,2-Dichlorobenzene	50	61		1	123	2.3	70-130	20	12/18/2009 0954
1,3-Dichlorobenzene	50	60		1	120	0.99	70-130	20	12/18/2009 0954
Dichlorodifluoromethane	50	58		1	116	3.9	60-140	20	12/18/2009 0954
1,2-Dichloroethane	50	50		1	99	1.4	70-130	20	12/18/2009 0954
1,1-Dichloroethane	50	50		1	99	1.7	70-130	20	12/18/2009 0954
cis-1,2-Dichloroethene	50	50		1	99	2.3	70-130	20	12/18/2009 0954
1,1-Dichloroethene	50	56		1	112	2.6	70-130	20	12/18/2009 0954
trans-1,2-Dichloroethene	50	51		1	102	1.1	70-130	20	12/18/2009 0954
1,2-Dichloropropane	50	51		1	102	1.1	70-130	20	12/18/2009 0954
cis-1,3-Dichloropropene	50	55		1	111	1.4	70-130	20	12/18/2009 0954
trans-1,3-Dichloropropene	50	57		1	114	2.2	70-130	20	12/18/2009 0954
Ethylbenzene	50	52		1	104	1.1	70-130	20	12/18/2009 0954
2-Hexanone	100	100		1	105	5.8	60-140	20	12/18/2009 0954
Isopropylbenzene	50	52		1	104	2.6	70-130	20	12/18/2009 0954
Methyl acetate	50	48		1	95	1.3	15-128	20	12/18/2009 0954
Methyl tertiary butyl ether (MTBE)	50	50		1	100	0.25	70-130	20	12/18/2009 0954
4-Methyl-2-pentanone	100	89		1	89	4.3	60-140	20	12/18/2009 0954
Methylcyclohexane	50	56		1	113	1.2	70-130	20	12/18/2009 0954
Methylene chloride	50	56		1	111	1.3	70-130	20	12/18/2009 0954
Styrene	50	54		1	109	0.49	70-130	20	12/18/2009 0954
1,1,2,2-Tetrachloroethane	50	53		1	107	2.8	70-130	20	12/18/2009 0954
Tetrachloroethene	50	56		1	112	0.61	70-130	20	12/18/2009 0954
Toluene	50	51		1	101	0.55	70-130	20	12/18/2009 0954
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	49		1	98	2.7	70-130	20	12/18/2009 0954
1,2,4-Trichlorobenzene	50	61		1	123	0.81	70-130	20	12/18/2009 0954
1,1,2-Trichloroethane	50	53		1	106	1.0	70-130	20	12/18/2009 0954
1,1,1-Trichloroethane	50	54		1	109	2.3	70-130	20	12/18/2009 0954

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ25653-003

Matrix: Aqueous

Batch: 25653

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	53		1	106	1.3	70-130	20	12/18/2009 0954
Trichlorofluoromethane	50	71	N,+	1	143	36	60-140	20	12/18/2009 0954
Vinyl chloride	50	57		1	114	1.0	60-140	20	12/18/2009 0954
Xylenes (total)	100	100		1	105	2.1	70-130	20	12/18/2009 0954
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		116	70-130						
1,2-Dichloroethane-d4		108	70-130						
Toluene-d8		116	70-130						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ25654-001

Batch: 25654

Analytical Method: 8260B

Matrix: Aqueous

Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	10	0.061	ug/L	12/29/2009 1225
Benzene	ND		1	0.50	0.027	ug/L	12/29/2009 1225
Bromodichloromethane	ND		1	0.50	0.17	ug/L	12/29/2009 1225
Bromoform	ND		1	0.50	0.010	ug/L	12/29/2009 1225
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	12/29/2009 1225
2-Butanone (MEK)	ND		1	10	2.0	ug/L	12/29/2009 1225
Carbon disulfide	ND		1	0.50	0.097	ug/L	12/29/2009 1225
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	12/29/2009 1225
Chlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 1225
Chloroethane	ND		1	0.50	0.17	ug/L	12/29/2009 1225
Chloroform	ND		1	0.50	0.17	ug/L	12/29/2009 1225
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	12/29/2009 1225
Cyclohexane	ND		1	0.50	0.30	ug/L	12/29/2009 1225
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	12/29/2009 1225
Dibromochloromethane	ND		1	0.50	0.17	ug/L	12/29/2009 1225
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	12/29/2009 1225
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 1225
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 1225
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 1225
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	12/29/2009 1225
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	12/29/2009 1225
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	12/29/2009 1225
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	12/29/2009 1225
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	12/29/2009 1225
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	12/29/2009 1225
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	12/29/2009 1225
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	12/29/2009 1225
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	12/29/2009 1225
Ethylbenzene	ND		1	0.50	0.17	ug/L	12/29/2009 1225
2-Hexanone	ND		1	10	0.27	ug/L	12/29/2009 1225
Isopropylbenzene	ND		1	0.50	0.029	ug/L	12/29/2009 1225
Methyl acetate	ND		1	1.0	0.30	ug/L	12/29/2009 1225
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	12/29/2009 1225
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	12/29/2009 1225
Methylcyclohexane	ND		1	5.0	0.95	ug/L	12/29/2009 1225
Methylene chloride	ND		1	0.50	0.17	ug/L	12/29/2009 1225
Styrene	ND		1	0.50	0.015	ug/L	12/29/2009 1225
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	12/29/2009 1225
Tetrachloroethene	ND		1	0.50	0.014	ug/L	12/29/2009 1225
Toluene	ND		1	0.50	0.17	ug/L	12/29/2009 1225
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	12/29/2009 1225
1,2,4-Trichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 1225
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	12/29/2009 1225
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	12/29/2009 1225

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ25654-001

Matrix: Aqueous

Batch: 25654

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.024	ug/L	12/29/2009 1225
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	12/29/2009 1225
Vinyl chloride	ND		1	0.50	0.065	ug/L	12/29/2009 1225
Xylenes (total)	ND		1	0.50	0.17	ug/L	12/29/2009 1225
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		93	70-130				
1,2-Dichloroethane-d4		99	70-130				
Toluene-d8		101	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: LQ25654-002

Matrix: Aqueous

Batch: 25654

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	120		1	118	46-153	12/29/2009 1057
Benzene	50	49		1	98	70-130	12/29/2009 1057
Bromodichloromethane	50	53		1	106	70-130	12/29/2009 1057
Bromoform	50	44		1	88	70-130	12/29/2009 1057
Bromomethane (Methyl bromide)	50	53		1	107	60-140	12/29/2009 1057
2-Butanone (MEK)	100	110		1	112	60-140	12/29/2009 1057
Carbon disulfide	50	55		1	109	60-140	12/29/2009 1057
Carbon tetrachloride	50	51		1	102	70-130	12/29/2009 1057
Chlorobenzene	50	52		1	104	70-130	12/29/2009 1057
Chloroethane	50	52		1	103	42-163	12/29/2009 1057
Chloroform	50	49		1	99	70-130	12/29/2009 1057
Chloromethane (Methyl chloride)	50	48		1	95	20-158	12/29/2009 1057
Cyclohexane	50	54		1	107	70-130	12/29/2009 1057
1,2-Dibromo-3-chloropropane (DBCP)	50	56		1	111	70-130	12/29/2009 1057
Dibromochloromethane	50	54		1	108	70-130	12/29/2009 1057
1,2-Dibromoethane (EDB)	50	54		1	107	70-130	12/29/2009 1057
1,4-Dichlorobenzene	50	51		1	102	70-130	12/29/2009 1057
1,2-Dichlorobenzene	50	54		1	107	70-130	12/29/2009 1057
1,3-Dichlorobenzene	50	54		1	107	70-130	12/29/2009 1057
Dichlorodifluoromethane	50	48		1	95	60-140	12/29/2009 1057
1,2-Dichloroethane	50	51		1	102	70-130	12/29/2009 1057
1,1-Dichloroethane	50	48		1	96	70-130	12/29/2009 1057
cis-1,2-Dichloroethene	50	49		1	99	70-130	12/29/2009 1057
1,1-Dichloroethene	50	48		1	97	70-130	12/29/2009 1057
trans-1,2-Dichloroethene	50	49		1	99	70-130	12/29/2009 1057
1,2-Dichloropropane	50	50		1	100	70-130	12/29/2009 1057
cis-1,3-Dichloropropene	50	55		1	109	70-130	12/29/2009 1057
trans-1,3-Dichloropropene	50	47		1	95	70-130	12/29/2009 1057
Ethylbenzene	50	55		1	109	70-130	12/29/2009 1057
2-Hexanone	100	99		1	99	60-140	12/29/2009 1057
Isopropylbenzene	50	58		1	115	70-130	12/29/2009 1057
Methyl acetate	50	48		1	96	15-128	12/29/2009 1057
Methyl tertiary butyl ether (MTBE)	50	51		1	102	70-130	12/29/2009 1057
4-Methyl-2-pentanone	100	100		1	104	60-140	12/29/2009 1057
Methylcyclohexane	50	57		1	113	70-130	12/29/2009 1057
Methylene chloride	50	47		1	94	70-130	12/29/2009 1057
Styrene	50	58		1	115	70-130	12/29/2009 1057
1,1,2,2-Tetrachloroethane	50	54		1	108	70-130	12/29/2009 1057
Tetrachloroethene	50	52		1	104	70-130	12/29/2009 1057
Toluene	50	53		1	106	70-130	12/29/2009 1057
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	55		1	110	70-130	12/29/2009 1057
1,2,4-Trichlorobenzene	50	58		1	116	70-130	12/29/2009 1057
1,1,2-Trichloroethane	50	53		1	106	70-130	12/29/2009 1057
1,1,1-Trichloroethane	50	51		1	102	70-130	12/29/2009 1057

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: LQ25654-002

Matrix: Aqueous

Batch: 25654

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	50		1	100	70-130	12/29/2009 1057
Trichlorofluoromethane	50	50		1	100	60-140	12/29/2009 1057
Vinyl chloride	50	49		1	98	60-140	12/29/2009 1057
Xylenes (total)	100	110		1	110	70-130	12/29/2009 1057
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		99	70-130				
1,2-Dichloroethane-d4		97	70-130				
Toluene-d8		103	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ25654-003

Matrix: Aqueous

Batch: 25654

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	110		1	113	4.6	46-153	20	12/29/2009 1119
Benzene	50	49		1	99	1.5	70-130	20	12/29/2009 1119
Bromodichloromethane	50	53		1	105	1.0	70-130	20	12/29/2009 1119
Bromoform	50	42		1	83	5.9	70-130	20	12/29/2009 1119
Bromomethane (Methyl bromide)	50	50		1	99	7.3	60-140	20	12/29/2009 1119
2-Butanone (MEK)	100	100		1	105	6.4	60-140	20	12/29/2009 1119
Carbon disulfide	50	54		1	108	1.1	60-140	20	12/29/2009 1119
Carbon tetrachloride	50	50		1	100	1.9	70-130	20	12/29/2009 1119
Chlorobenzene	50	52		1	104	0.51	70-130	20	12/29/2009 1119
Chloroethane	50	51		1	102	1.1	42-163	20	12/29/2009 1119
Chloroform	50	49		1	97	1.3	70-130	20	12/29/2009 1119
Chloromethane (Methyl chloride)	50	46		1	92	3.4	20-158	20	12/29/2009 1119
Cyclohexane	50	53		1	106	1.1	70-130	20	12/29/2009 1119
1,2-Dibromo-3-chloropropane (DBCP)	50	54		1	108	2.5	70-130	20	12/29/2009 1119
Dibromochloromethane	50	54		1	108	0.23	70-130	20	12/29/2009 1119
1,2-Dibromoethane (EDB)	50	54		1	109	1.5	70-130	20	12/29/2009 1119
1,4-Dichlorobenzene	50	52		1	104	1.9	70-130	20	12/29/2009 1119
1,2-Dichlorobenzene	50	54		1	108	0.39	70-130	20	12/29/2009 1119
1,3-Dichlorobenzene	50	54		1	108	0.63	70-130	20	12/29/2009 1119
Dichlorodifluoromethane	50	47		1	94	1.9	60-140	20	12/29/2009 1119
1,2-Dichloroethane	50	49		1	99	2.7	70-130	20	12/29/2009 1119
1,1-Dichloroethane	50	49		1	97	1.2	70-130	20	12/29/2009 1119
cis-1,2-Dichloroethene	50	49		1	97	1.3	70-130	20	12/29/2009 1119
1,1-Dichloroethene	50	47		1	95	2.1	70-130	20	12/29/2009 1119
trans-1,2-Dichloroethene	50	49		1	98	1.3	70-130	20	12/29/2009 1119
1,2-Dichloropropane	50	50		1	100	0.044	70-130	20	12/29/2009 1119
cis-1,3-Dichloropropene	50	56		1	112	2.7	70-130	20	12/29/2009 1119
trans-1,3-Dichloropropene	50	48		1	96	0.98	70-130	20	12/29/2009 1119
Ethylbenzene	50	56		1	111	2.0	70-130	20	12/29/2009 1119
2-Hexanone	100	100		1	100	0.91	60-140	20	12/29/2009 1119
Isopropylbenzene	50	58		1	117	1.2	70-130	20	12/29/2009 1119
Methyl acetate	50	45		1	90	5.8	15-128	20	12/29/2009 1119
Methyl tertiary butyl ether (MTBE)	50	50		1	100	1.4	70-130	20	12/29/2009 1119
4-Methyl-2-pentanone	100	100		1	102	1.3	60-140	20	12/29/2009 1119
Methylcyclohexane	50	56		1	112	0.67	70-130	20	12/29/2009 1119
Methylene chloride	50	47		1	94	0.52	70-130	20	12/29/2009 1119
Styrene	50	58		1	117	1.5	70-130	20	12/29/2009 1119
1,1,2,2-Tetrachloroethane	50	53		1	107	1.2	70-130	20	12/29/2009 1119
Tetrachloroethene	50	54		1	107	2.6	70-130	20	12/29/2009 1119
Toluene	50	54		1	108	2.0	70-130	20	12/29/2009 1119
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	54		1	107	2.9	70-130	20	12/29/2009 1119
1,2,4-Trichlorobenzene	50	56		1	113	2.8	70-130	20	12/29/2009 1119
1,1,2-Trichloroethane	50	53		1	107	0.33	70-130	20	12/29/2009 1119
1,1,1-Trichloroethane	50	51		1	102	0.77	70-130	20	12/29/2009 1119

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ25654-003

Matrix: Aqueous

Batch: 25654

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	51		1	102	1.7	70-130	20	12/29/2009 1119
Trichlorofluoromethane	50	50		1	100	0.080	60-140	20	12/29/2009 1119
Vinyl chloride	50	48		1	97	1.7	60-140	20	12/29/2009 1119
Xylenes (total)	100	110		1	112	1.6	70-130	20	12/29/2009 1119
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		98	70-130						
1,2-Dichloroethane-d4		95	70-130						
Toluene-d8		103	70-130						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ25655-001

Matrix: Aqueous

Batch: 25655

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	10	0.061	ug/L	12/29/2009 0236
Benzene	ND		1	0.50	0.027	ug/L	12/29/2009 0236
Bromodichloromethane	ND		1	0.50	0.17	ug/L	12/29/2009 0236
Bromoform	ND		1	0.50	0.010	ug/L	12/29/2009 0236
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	12/29/2009 0236
2-Butanone (MEK)	ND		1	10	2.0	ug/L	12/29/2009 0236
Carbon disulfide	ND		1	0.50	0.097	ug/L	12/29/2009 0236
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	12/29/2009 0236
Chlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 0236
Chloroethane	ND		1	0.50	0.17	ug/L	12/29/2009 0236
Chloroform	ND		1	0.50	0.17	ug/L	12/29/2009 0236
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	12/29/2009 0236
Cyclohexane	0.38	J	1	0.50	0.30	ug/L	12/29/2009 0236
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	12/29/2009 0236
Dibromochloromethane	ND		1	0.50	0.17	ug/L	12/29/2009 0236
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	12/29/2009 0236
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 0236
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 0236
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 0236
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	12/29/2009 0236
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	12/29/2009 0236
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	12/29/2009 0236
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	12/29/2009 0236
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	12/29/2009 0236
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	12/29/2009 0236
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	12/29/2009 0236
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	12/29/2009 0236
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	12/29/2009 0236
Ethylbenzene	ND		1	0.50	0.17	ug/L	12/29/2009 0236
2-Hexanone	ND		1	10	0.27	ug/L	12/29/2009 0236
Isopropylbenzene	ND		1	0.50	0.029	ug/L	12/29/2009 0236
Methyl acetate	ND		1	1.0	0.30	ug/L	12/29/2009 0236
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	12/29/2009 0236
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	12/29/2009 0236
Methylcyclohexane	ND		1	5.0	0.95	ug/L	12/29/2009 0236
Methylene chloride	ND		1	0.50	0.17	ug/L	12/29/2009 0236
Styrene	ND		1	0.50	0.015	ug/L	12/29/2009 0236
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	12/29/2009 0236
Tetrachloroethene	ND		1	0.50	0.014	ug/L	12/29/2009 0236
Toluene	ND		1	0.50	0.17	ug/L	12/29/2009 0236
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	12/29/2009 0236
1,2,4-Trichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 0236
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	12/29/2009 0236
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	12/29/2009 0236

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ25655-001

Matrix: Aqueous

Batch: 25655

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.024	ug/L	12/29/2009 0236
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	12/29/2009 0236
Vinyl chloride	ND		1	0.50	0.065	ug/L	12/29/2009 0236
Xylenes (total)	ND		1	0.50	0.17	ug/L	12/29/2009 0236
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		96	70-130				
1,2-Dichloroethane-d4		104	70-130				
Toluene-d8		103	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: LQ25655-002

Matrix: Aqueous

Batch: 25655

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	100		1	104	46-153	12/29/2009 0023
Benzene	50	51		1	102	70-130	12/29/2009 0023
Bromodichloromethane	50	54		1	108	70-130	12/29/2009 0023
Bromoform	50	51		1	102	70-130	12/29/2009 0023
Bromomethane (Methyl bromide)	50	54		1	108	60-140	12/29/2009 0023
2-Butanone (MEK)	100	110		1	105	60-140	12/29/2009 0023
Carbon disulfide	50	54		1	109	60-140	12/29/2009 0023
Carbon tetrachloride	50	53		1	105	70-130	12/29/2009 0023
Chlorobenzene	50	53		1	105	70-130	12/29/2009 0023
Chloroethane	50	54		1	108	42-163	12/29/2009 0023
Chloroform	50	52		1	103	70-130	12/29/2009 0023
Chloromethane (Methyl chloride)	50	50		1	99	20-158	12/29/2009 0023
Cyclohexane	50	59		1	119	70-130	12/29/2009 0023
1,2-Dibromo-3-chloropropane (DBCP)	50	60		1	121	70-130	12/29/2009 0023
Dibromochloromethane	50	58		1	117	70-130	12/29/2009 0023
1,2-Dibromoethane (EDB)	50	54		1	109	70-130	12/29/2009 0023
1,4-Dichlorobenzene	50	55		1	111	70-130	12/29/2009 0023
1,2-Dichlorobenzene	50	53		1	106	70-130	12/29/2009 0023
1,3-Dichlorobenzene	50	55		1	111	70-130	12/29/2009 0023
Dichlorodifluoromethane	50	52		1	104	60-140	12/29/2009 0023
1,2-Dichloroethane	50	51		1	101	70-130	12/29/2009 0023
1,1-Dichloroethane	50	50		1	101	70-130	12/29/2009 0023
cis-1,2-Dichloroethene	50	52		1	104	70-130	12/29/2009 0023
1,1-Dichloroethene	50	52		1	104	70-130	12/29/2009 0023
trans-1,2-Dichloroethene	50	52		1	104	70-130	12/29/2009 0023
1,2-Dichloropropane	50	51		1	102	70-130	12/29/2009 0023
cis-1,3-Dichloropropene	50	50		1	100	70-130	12/29/2009 0023
trans-1,3-Dichloropropene	50	51		1	102	70-130	12/29/2009 0023
Ethylbenzene	50	57		1	113	70-130	12/29/2009 0023
2-Hexanone	100	110		1	106	60-140	12/29/2009 0023
Isopropylbenzene	50	60		1	120	70-130	12/29/2009 0023
Methyl acetate	50	46		1	93	15-128	12/29/2009 0023
Methyl tertiary butyl ether (MTBE)	50	54		1	107	70-130	12/29/2009 0023
4-Methyl-2-pentanone	100	110		1	110	60-140	12/29/2009 0023
Methylcyclohexane	50	60		1	120	70-130	12/29/2009 0023
Methylene chloride	50	49		1	99	70-130	12/29/2009 0023
Styrene	50	60		1	119	70-130	12/29/2009 0023
1,1,2,2-Tetrachloroethane	50	54		1	108	70-130	12/29/2009 0023
Tetrachloroethene	50	54		1	107	70-130	12/29/2009 0023
Toluene	50	54		1	108	70-130	12/29/2009 0023
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	59		1	117	70-130	12/29/2009 0023
1,2,4-Trichlorobenzene	50	61		1	123	70-130	12/29/2009 0023
1,1,2-Trichloroethane	50	53		1	106	70-130	12/29/2009 0023
1,1,1-Trichloroethane	50	54		1	108	70-130	12/29/2009 0023

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: LQ25655-002

Matrix: Aqueous

Batch: 25655

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	53		1	106	70-130	12/29/2009 0023
Trichlorofluoromethane	50	50		1	101	60-140	12/29/2009 0023
Vinyl chloride	50	53		1	106	60-140	12/29/2009 0023
Xylenes (total)	100	110		1	115	70-130	12/29/2009 0023
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		97	70-130				
1,2-Dichloroethane-d4		98	70-130				
Toluene-d8		100	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ25655-003

Batch: 25655

Analytical Method: 8260B

Matrix: Aqueous

Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	78	+	1	78	28	46-153	20	12/29/2009 0045
Benzene	50	49		1	99	2.8	70-130	20	12/29/2009 0045
Bromodichloromethane	50	52		1	104	3.7	70-130	20	12/29/2009 0045
Bromoform	50	49		1	98	4.3	70-130	20	12/29/2009 0045
Bromomethane (Methyl bromide)	50	51		1	102	6.2	60-140	20	12/29/2009 0045
2-Butanone (MEK)	100	100		1	101	3.8	60-140	20	12/29/2009 0045
Carbon disulfide	50	51		1	102	6.5	60-140	20	12/29/2009 0045
Carbon tetrachloride	50	51		1	101	4.1	70-130	20	12/29/2009 0045
Chlorobenzene	50	53		1	106	0.56	70-130	20	12/29/2009 0045
Chloroethane	50	51		1	102	6.1	42-163	20	12/29/2009 0045
Chloroform	50	49		1	98	5.2	70-130	20	12/29/2009 0045
Chloromethane (Methyl chloride)	50	49		1	98	1.7	20-158	20	12/29/2009 0045
Cyclohexane	50	57		1	114	3.6	70-130	20	12/29/2009 0045
1,2-Dibromo-3-chloropropane (DBCP)	50	51		1	102	17	70-130	20	12/29/2009 0045
Dibromochloromethane	50	57		1	114	2.0	70-130	20	12/29/2009 0045
1,2-Dibromoethane (EDB)	50	55		1	111	1.9	70-130	20	12/29/2009 0045
1,4-Dichlorobenzene	50	55		1	110	0.64	70-130	20	12/29/2009 0045
1,2-Dichlorobenzene	50	53		1	105	1.1	70-130	20	12/29/2009 0045
1,3-Dichlorobenzene	50	55		1	110	0.64	70-130	20	12/29/2009 0045
Dichlorodifluoromethane	50	50		1	100	3.6	60-140	20	12/29/2009 0045
1,2-Dichloroethane	50	48		1	96	5.2	70-130	20	12/29/2009 0045
1,1-Dichloroethane	50	48		1	95	5.8	70-130	20	12/29/2009 0045
cis-1,2-Dichloroethene	50	48		1	96	7.3	70-130	20	12/29/2009 0045
1,1-Dichloroethene	50	48		1	96	7.4	70-130	20	12/29/2009 0045
trans-1,2-Dichloroethene	50	49		1	99	4.6	70-130	20	12/29/2009 0045
1,2-Dichloropropane	50	51		1	102	0.23	70-130	20	12/29/2009 0045
cis-1,3-Dichloropropene	50	52		1	104	3.3	70-130	20	12/29/2009 0045
trans-1,3-Dichloropropene	50	52		1	104	2.4	70-130	20	12/29/2009 0045
Ethylbenzene	50	57		1	113	0.039	70-130	20	12/29/2009 0045
2-Hexanone	100	110		1	114	7.1	60-140	20	12/29/2009 0045
Isopropylbenzene	50	60		1	119	0.044	70-130	20	12/29/2009 0045
Methyl acetate	50	42		1	85	9.1	15-128	20	12/29/2009 0045
Methyl tertiary butyl ether (MTBE)	50	49		1	97	9.5	70-130	20	12/29/2009 0045
4-Methyl-2-pentanone	100	110		1	107	2.2	60-140	20	12/29/2009 0045
Methylcyclohexane	50	59		1	118	1.7	70-130	20	12/29/2009 0045
Methylene chloride	50	46		1	93	6.4	70-130	20	12/29/2009 0045
Styrene	50	59		1	118	0.64	70-130	20	12/29/2009 0045
1,1,2,2-Tetrachloroethane	50	52		1	104	3.9	70-130	20	12/29/2009 0045
Tetrachloroethene	50	53		1	106	0.60	70-130	20	12/29/2009 0045
Toluene	50	55		1	110	1.6	70-130	20	12/29/2009 0045
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	56		1	112	4.0	70-130	20	12/29/2009 0045
1,2,4-Trichlorobenzene	50	54		1	108	12	70-130	20	12/29/2009 0045
1,1,2-Trichloroethane	50	53		1	107	0.16	70-130	20	12/29/2009 0045
1,1,1-Trichloroethane	50	52		1	103	4.2	70-130	20	12/29/2009 0045

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ25655-003

Matrix: Aqueous

Batch: 25655

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	51		1	102	3.2	70-130	20	12/29/2009 0045
Trichlorofluoromethane	50	48		1	96	5.5	60-140	20	12/29/2009 0045
Vinyl chloride	50	50		1	100	6.1	60-140	20	12/29/2009 0045
Xylenes (total)	100	110		1	112	2.1	70-130	20	12/29/2009 0045
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		97	70-130						
1,2-Dichloroethane-d4		93	70-130						
Toluene-d8		101	70-130						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: LQ25668-001

Batch: 25668

Analytical Method: 8270D

Matrix: Aqueous

Prep Method: 3520C

Prep Date: 12/23/2009 1630

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
1,1'-Biphenyl	ND		1	1.0	0.20	ug/L	01/08/2010 0018
2,4,5-Trichlorophenol	ND		1	1.0	0.18	ug/L	01/08/2010 0018
2,4,6-Trichlorophenol	ND		1	1.0	0.22	ug/L	01/08/2010 0018
2,4-Dichlorophenol	ND		1	1.0	0.15	ug/L	01/08/2010 0018
2,4-Dimethylphenol	ND		1	1.0	0.31	ug/L	01/08/2010 0018
2,4-Dinitrophenol	ND		1	5.0	0.25	ug/L	01/08/2010 0018
2,4-Dinitrotoluene	ND		1	2.0	0.45	ug/L	01/08/2010 0018
2,6-Dinitrotoluene	ND		1	2.0	0.40	ug/L	01/08/2010 0018
2-Chloronaphthalene	ND		1	1.0	0.12	ug/L	01/08/2010 0018
2-Chlorophenol	ND		1	1.0	0.13	ug/L	01/08/2010 0018
2-Methylnaphthalene	ND		1	1.0	0.080	ug/L	01/08/2010 0018
2-Methylphenol	ND		1	1.0	0.17	ug/L	01/08/2010 0018
2-Nitroaniline	ND		1	2.0	0.55	ug/L	01/08/2010 0018
2-Nitrophenol	ND		1	2.0	0.27	ug/L	01/08/2010 0018
3 & 4-Methylphenol	ND		1	2.0	0.57	ug/L	01/08/2010 0018
3,3'-Dichlorobenzidine	ND		1	5.0	0.81	ug/L	01/08/2010 0018
3-Nitroaniline	ND		1	2.0	0.77	ug/L	01/08/2010 0018
4,6-Dinitro-2-methylphenol	ND		1	5.0	1.5	ug/L	01/08/2010 0018
4-Bromophenyl phenyl ether	ND		1	1.0	0.12	ug/L	01/08/2010 0018
4-Chloro-3-methyl phenol	ND		1	1.0	0.22	ug/L	01/08/2010 0018
4-Chloroaniline	ND		1	1.0	0.13	ug/L	01/08/2010 0018
4-Chlorophenyl phenyl ether	ND		1	1.0	0.11	ug/L	01/08/2010 0018
4-Nitroaniline	ND		1	2.0	0.39	ug/L	01/08/2010 0018
4-Nitrophenol	ND		1	5.0	0.64	ug/L	01/08/2010 0018
Acenaphthene	ND		1	1.0	0.090	ug/L	01/08/2010 0018
Acenaphthylene	ND		1	1.0	0.16	ug/L	01/08/2010 0018
Acetophenone	ND		1	1.0	0.32	ug/L	01/08/2010 0018
Anthracene	ND		1	1.0	0.13	ug/L	01/08/2010 0018
Atrazine	ND		1	1.0	0.20	ug/L	01/08/2010 0018
Benzaldehyde	ND		1	5.0	1.0	ug/L	01/08/2010 0018
Benzo(a)anthracene	ND		1	1.0	0.15	ug/L	01/08/2010 0018
Benzo(a)pyrene	ND		1	1.0	0.16	ug/L	01/08/2010 0018
Benzo(b)fluoranthene	ND		1	1.0	0.20	ug/L	01/08/2010 0018
Benzo(g,h,i)perylene	ND		1	1.0	0.23	ug/L	01/08/2010 0018
Benzo(k)fluoranthene	ND		1	1.0	0.12	ug/L	01/08/2010 0018
bis(2-Chloroethoxy)methane	ND		1	1.0	0.13	ug/L	01/08/2010 0018
bis(2-Chloroethyl)ether	ND		1	1.0	0.13	ug/L	01/08/2010 0018
bis(2-Chloroisopropyl)ether	ND		1	1.0	0.080	ug/L	01/08/2010 0018
bis(2-Ethylhexyl)phthalate	ND		1	5.0	1.7	ug/L	01/08/2010 0018
Butyl benzyl phthalate	ND		1	5.0	1.7	ug/L	01/08/2010 0018
Caprolactam	ND		1	5.0	1.2	ug/L	01/08/2010 0018
Carbazole	ND		1	1.0	0.25	ug/L	01/08/2010 0018
Chrysene	ND		1	1.0	0.12	ug/L	01/08/2010 0018
Di-n-butyl phthalate	ND		1	5.0	1.7	ug/L	01/08/2010 0018

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: LQ25668-001

Matrix: Aqueous

Batch: 25668

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 12/23/2009 1630

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Di-n-octylphthalate	ND		1	5.0	1.7	ug/L	01/08/2010 0018
Dibenzo(a,h)anthracene	ND		1	1.0	0.13	ug/L	01/08/2010 0018
Dibenzofuran	ND		1	1.0	0.16	ug/L	01/08/2010 0018
Diethylphthalate	ND		1	5.0	1.7	ug/L	01/08/2010 0018
Dimethyl phthalate	ND		1	5.0	1.7	ug/L	01/08/2010 0018
Fluoranthene	ND		1	1.0	0.21	ug/L	01/08/2010 0018
Fluorene	ND		1	1.0	0.10	ug/L	01/08/2010 0018
Hexachlorobenzene	ND		1	1.0	0.21	ug/L	01/08/2010 0018
Hexachlorobutadiene	ND		1	1.0	0.090	ug/L	01/08/2010 0018
Hexachlorocyclopentadiene	ND		1	5.0	0.23	ug/L	01/08/2010 0018
Hexachloroethane	ND		1	1.0	0.11	ug/L	01/08/2010 0018
Indeno(1,2,3-c,d)pyrene	ND		1	1.0	0.23	ug/L	01/08/2010 0018
Isophorone	ND		1	1.0	0.080	ug/L	01/08/2010 0018
N-Nitrosodi-n-propylamine	ND		1	1.0	0.080	ug/L	01/08/2010 0018
N-Nitrosodiphenylamine (Diphenylamine)	ND		1	1.0	0.38	ug/L	01/08/2010 0018
Naphthalene	ND		1	1.0	0.070	ug/L	01/08/2010 0018
Nitrobenzene	ND		1	1.0	0.10	ug/L	01/08/2010 0018
Pentachlorophenol	ND		1	5.0	0.54	ug/L	01/08/2010 0018
Phenanthrene	ND		1	1.0	0.18	ug/L	01/08/2010 0018
Phenol	ND		1	1.0	0.11	ug/L	01/08/2010 0018
Pyrene	ND		1	1.0	0.16	ug/L	01/08/2010 0018

Surrogate	Q	% Rec	Acceptance Limit
2,4,6-Tribromophenol		55	41-144
2-Fluorobiphenyl		57	37-129
2-Fluorophenol		35	24-127
Nitrobenzene-d5		56	38-127
Phenol-d5	N	23	28-128
Terphenyl-d14		46	10-148

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: LQ25668-002

Batch: 25668

Analytical Method: 8270D

Matrix: Aqueous

Prep Method: 3520C

Prep Date: 12/23/2009 1630

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
2,4,5-Trichlorophenol	20	11		1	53	46-125	01/08/2010 0038
2,4,6-Trichlorophenol	20	9.2		1	46	36-123	01/08/2010 0038
2,4-Dichlorophenol	20	10		1	51	38-127	01/08/2010 0038
2,4-Dimethylphenol	20	7.9		1	39	36-110	01/08/2010 0038
2,4-Dinitrophenol	100	55		1	55	33-143	01/08/2010 0038
2,4-Dinitrotoluene	40	21	N	1	53	55-137	01/08/2010 0038
2,6-Dinitrotoluene	40	21	N	1	52	53-128	01/08/2010 0038
2-Chloronaphthalene	20	10		1	52	42-132	01/08/2010 0038
2-Chlorophenol	20	10		1	50	40-128	01/08/2010 0038
2-Methylnaphthalene	20	9.8		1	49	49-122	01/08/2010 0038
2-Methylphenol	20	9.9		1	50	33-122	01/08/2010 0038
2-Nitroaniline	40	21		1	51	48-126	01/08/2010 0038
2-Nitrophenol	40	20		1	51	44-131	01/08/2010 0038
3 & 4-Methylphenol	40	16	N	1	40	48-112	01/08/2010 0038
3-Nitroaniline	40	7.8	N	1	19	29-109	01/08/2010 0038
4,6-Dinitro-2-methylphenol	100	55		1	55	46-151	01/08/2010 0038
4-Bromophenyl phenyl ether	20	10		1	51	49-123	01/08/2010 0038
4-Chloro-3-methyl phenol	20	9.7		1	49	48-136	01/08/2010 0038
4-Chloroaniline	20	3.7		1	19	18-73	01/08/2010 0038
4-Chlorophenyl phenyl ether	20	10		1	51	34-124	01/08/2010 0038
4-Nitroaniline	40	20		1	49	42-154	01/08/2010 0038
4-Nitrophenol	100	30	N	1	30	43-145	01/08/2010 0038
Acenaphthene	20	10		1	51	51-130	01/08/2010 0038
Acenaphthylene	20	10		1	50	46-131	01/08/2010 0038
Anthracene	20	10		1	51	48-122	01/08/2010 0038
Benzo(a)anthracene	20	11		1	54	50-143	01/08/2010 0038
Benzo(a)pyrene	20	12		1	60	55-141	01/08/2010 0038
Benzo(b)fluoranthene	20	11		1	55	48-147	01/08/2010 0038
Benzo(g,h,i)perylene	20	10		1	52	48-139	01/08/2010 0038
Benzo(k)fluoranthene	20	10		1	52	48-148	01/08/2010 0038
bis(2-Chloroethoxy)methane	20	10		1	51	46-130	01/08/2010 0038
bis(2-Chloroethyl)ether	20	10		1	52	42-127	01/08/2010 0038
bis(2-Chloroisopropyl)ether	20	9.7		1	48	36-133	01/08/2010 0038
bis(2-Ethylhexyl)phthalate	20	11		1	57	40-141	01/08/2010 0038
Butyl benzyl phthalate	20	11		1	54	52-142	01/08/2010 0038
Carbazole	20	11		1	56	45-101	01/08/2010 0038
Chrysene	20	11		1	56	51-137	01/08/2010 0038
Di-n-butyl phthalate	20	11		1	55	50-134	01/08/2010 0038
Di-n-octylphthalate	20	11		1	57	50-136	01/08/2010 0038
Dibenzo(a,h)anthracene	20	10		1	52	48-139	01/08/2010 0038
Dibenzofuran	20	10		1	51	45-142	01/08/2010 0038
Diethylphthalate	20	11		1	53	48-124	01/08/2010 0038
Dimethyl phthalate	20	11		1	53	43-122	01/08/2010 0038
Fluoranthene	20	10		1	51	50-124	01/08/2010 0038

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: LQ25668-002

Matrix: Aqueous

Batch: 25668

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 12/23/2009 1630

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Fluorene	20	10		1	52	39-122	01/08/2010 0038
Hexachlorobenzene	20	10		1	52	46-125	01/08/2010 0038
Hexachlorobutadiene	20	10		1	50	38-121	01/08/2010 0038
Hexachlorocyclopentadiene	100	45		1	45	24-110	01/08/2010 0038
Hexachloroethane	20	10		1	50	32-109	01/08/2010 0038
Indeno(1,2,3-c,d)pyrene	20	10		1	52	49-146	01/08/2010 0038
Isophorone	20	11		1	53	43-118	01/08/2010 0038
N-Nitrosodi-n-propylamine	20	10		1	50	46-135	01/08/2010 0038
N-Nitrosodiphenylamine (Diphenylamine)	20	12		1	59	44-124	01/08/2010 0038
Naphthalene	20	10		1	50	45-118	01/08/2010 0038
Nitrobenzene	20	11		1	54	46-131	01/08/2010 0038
Pentachlorophenol	100	45		1	45	30-137	01/08/2010 0038
Phenanthrene	20	10		1	52	49-122	01/08/2010 0038
Phenol	20	5.4	N	1	27	35-118	01/08/2010 0038
Pyrene	20	11		1	53	50-130	01/08/2010 0038
Surrogate	Q	% Rec	Acceptance Limit				
2,4,6-Tribromophenol		53	41-144				
2-Fluorobiphenyl		54	37-129				
2-Fluorophenol		38	24-127				
Nitrobenzene-d5		55	38-127				
Phenol-d5	N	25	28-128				
Terphenyl-d14		47	10-148				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MS

Sample ID: KL17024-013MS

Batch: 25668

Analytical Method: 8270D

Matrix: Aqueous

Prep Method: 3520C

Prep Date: 12/23/2009 1630

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acenaphthene	ND	43	16		1	38	10-133	01/02/2010 1440
Acenaphthylene	ND	43	16		1	37	34-128	01/02/2010 1440
Anthracene	ND	43	16	N	1	38	48-122	01/02/2010 1440
Benzo(a)anthracene	ND	43	15	N	1	34	53-98	01/02/2010 1440
Benzo(a)pyrene	ND	43	21		1	48	11-160	01/02/2010 1440
Benzo(b)fluoranthene	ND	43	15		1	33	10-165	01/02/2010 1440
Benzo(g,h,i)perylene	ND	43	16	N	1	37	42-111	01/02/2010 1440
Benzo(k)fluoranthene	ND	43	23		1	53	13-175	01/02/2010 1440
4-Bromophenyl phenyl ether	ND	43	18	N	1	40	49-123	01/02/2010 1440
Butyl benzyl phthalate	ND	43	18	N	1	42	52-142	01/02/2010 1440
Carbazole	ND	43	18	N	1	41	45-101	01/02/2010 1440
4-Chloro-3-methyl phenol	ND	43	17	N	1	38	40-98	01/02/2010 1440
4-Chloroaniline	ND	43	ND	N	1	0.00	10-98	01/02/2010 1440
bis(2-Chloroethoxy)methane	ND	43	16	N	1	37	43-93	01/02/2010 1440
bis(2-Chloroethyl)ether	ND	43	17	N	1	38	41-88	01/02/2010 1440
bis(2-Chloroisopropyl)ether	ND	43	16		1	38	36-99	01/02/2010 1440
2-Chloronaphthalene	ND	43	13	N	1	30	40-89	01/02/2010 1440
2-Chlorophenol	ND	43	17		1	38	33-92	01/02/2010 1440
4-Chlorophenyl phenyl ether	ND	43	17		1	39	34-124	01/02/2010 1440
Chrysene	ND	43	20	N	1	46	51-107	01/02/2010 1440
Dibenzo(a,h)anthracene	ND	43	18	N	1	40	47-116	01/02/2010 1440
Dibenzofuran	ND	43	16	N	1	38	45-94	01/02/2010 1440
2,4-Dichlorophenol	ND	43	17		1	39	34-105	01/02/2010 1440
Diethylphthalate	ND	43	18	N	1	42	48-124	01/02/2010 1440
Dimethyl phthalate	ND	43	17	N	1	40	43-122	01/02/2010 1440
2,4-Dimethylphenol	ND	43	14	N	1	32	33-77	01/02/2010 1440
Di-n-butyl phthalate	ND	43	19	N	1	44	50-134	01/02/2010 1440
4,6-Dinitro-2-methylphenol	ND	220	89		1	41	33-118	01/02/2010 1440
2,4-Dinitrophenol	ND	220	79		1	36	19-119	01/02/2010 1440
2,4-Dinitrotoluene	ND	87	36	N	1	41	50-104	01/02/2010 1440
2,6-Dinitrotoluene	ND	87	37	N	1	43	53-128	01/02/2010 1440
Di-n-octylphthalate	ND	43	22		1	50	40-112	01/02/2010 1440
bis(2-Ethylhexyl)phthalate	ND	43	19		1	43	10-142	01/02/2010 1440
Fluoranthene	ND	43	18	N	1	40	50-124	01/02/2010 1440
Fluorene	ND	43	16	N	1	38	39-122	01/02/2010 1440
Hexachlorobenzene	ND	43	17	N	1	40	46-125	01/02/2010 1440
Hexachlorobutadiene	ND	43	15	N	1	35	42-94	01/02/2010 1440
Hexachlorocyclopentadiene	ND	220	58		1	27	14-89	01/02/2010 1440
Hexachloroethane	ND	43	16	N	1	36	39-86	01/02/2010 1440
Indeno(1,2,3-c,d)pyrene	ND	43	17	N	1	38	43-113	01/02/2010 1440
Isophorone	ND	43	17	N	1	40	42-84	01/02/2010 1440
2-Methylnaphthalene	ND	43	16	N	1	36	46-90	01/02/2010 1440
2-Methylphenol	ND	43	19		1	44	33-122	01/02/2010 1440
3 & 4-Methylphenol	ND	87	31		1	36	24-97	01/02/2010 1440

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MS

Sample ID: KL17024-013MS

Matrix: Aqueous

Batch: 25668

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 12/23/2009 1630

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Naphthalene	ND	43	15	N	1	35	46-89	01/02/2010 1440
2-Nitroaniline	ND	87	35	N	1	41	48-126	01/02/2010 1440
3-Nitroaniline	ND	87	11		1	12	10-110	01/02/2010 1440
4-Nitroaniline	ND	87	32	N	1	37	41-99	01/02/2010 1440
Nitrobenzene	ND	43	18	N	1	41	44-91	01/02/2010 1440
2-Nitrophenol	ND	87	32		1	37	34-102	01/02/2010 1440
4-Nitrophenol	ND	220	73		1	33	29-122	01/02/2010 1440
N-Nitrosodi-n-propylamine	ND	43	19		1	43	41-96	01/02/2010 1440
N-Nitrosodiphenylamine (Diphenylamine)	ND	43	19		1	44	10-150	01/02/2010 1440
Pentachlorophenol	ND	220	76		1	35	32-110	01/02/2010 1440
Phenanthrene	ND	43	17	N	1	39	49-122	01/02/2010 1440
Phenol	ND	43	12	N	1	27	33-92	01/02/2010 1440
Pyrene	ND	43	17	N	1	38	50-130	01/02/2010 1440
2,4,5-Trichlorophenol	ND	43	18	N	1	42	46-125	01/02/2010 1440
2,4,6-Trichlorophenol	ND	43	16		1	37	36-123	01/02/2010 1440
Surrogate	Q	% Rec	Acceptance Limit					
2-Fluorobiphenyl		79	37-129					
2-Fluorophenol		69	24-127					
Nitrobenzene-d5		85	38-127					
Phenol-d5		57	28-128					
Terphenyl-d14		70	10-148					
2,4,6-Tribromophenol		83	41-144					

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MSD

Sample ID: KL17024-013MD

Matrix: Aqueous

Batch: 25668

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 12/23/2009 1630

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acenaphthene	ND	43	18		1	42	11	10-133	40	01/02/2010 1500
Acenaphthylene	ND	43	18		1	42	11	34-128	40	01/02/2010 1500
Anthracene	ND	43	19	N	1	43	12	48-122	40	01/02/2010 1500
Benzo(a)anthracene	ND	43	17	N	1	38	10	53-98	40	01/02/2010 1500
Benzo(a)pyrene	ND	43	24		1	55	13	11-160	40	01/02/2010 1500
Benzo(b)fluoranthene	ND	43	16		1	37	9.8	10-165	40	01/02/2010 1500
Benzo(g,h,i)perylene	ND	43	19		1	43	14	42-111	40	01/02/2010 1500
Benzo(k)fluoranthene	ND	43	27		1	61	14	13-175	40	01/02/2010 1500
4-Bromophenyl phenyl ether	ND	43	20	N	1	45	11	49-123	40	01/02/2010 1500
Butyl benzyl phthalate	ND	43	20	N	1	46	9.4	52-142	40	01/02/2010 1500
Carbazole	ND	43	20		1	46	12	45-101	40	01/02/2010 1500
4-Chloro-3-methyl phenol	ND	43	20		1	45	16	40-98	40	01/02/2010 1500
4-Chloroaniline	ND	43	ND	N	1	0.00	0.00	10-98	40	01/02/2010 1500
bis(2-Chloroethoxy)methane	ND	43	18	N	1	42	15	43-93	40	01/02/2010 1500
bis(2-Chloroethyl)ether	ND	43	19		1	43	12	41-88	40	01/02/2010 1500
bis(2-Chloroisopropyl)ether	ND	43	19		1	43	14	36-99	40	01/02/2010 1500
2-Chloronaphthalene	ND	43	14	N	1	32	8.4	40-89	40	01/02/2010 1500
2-Chlorophenol	ND	43	19		1	44	13	33-92	40	01/02/2010 1500
4-Chlorophenyl phenyl ether	ND	43	19		1	44	11	34-124	40	01/02/2010 1500
Chrysene	ND	43	22	N	1	50	8.8	51-107	40	01/02/2010 1500
Dibenzo(a,h)anthracene	ND	43	20	N	1	46	14	47-116	40	01/02/2010 1500
Dibenzofuran	ND	43	18	N	1	42	11	45-94	40	01/02/2010 1500
2,4-Dichlorophenol	ND	43	20		1	45	15	34-105	40	01/02/2010 1500
Diethylphthalate	ND	43	21	N	1	47	12	48-124	40	01/02/2010 1500
Dimethyl phthalate	ND	43	20		1	46	15	43-122	40	01/02/2010 1500
2,4-Dimethylphenol	ND	43	16		1	37	15	33-77	40	01/02/2010 1500
Di-n-butyl phthalate	ND	43	21	N	1	49	10	50-134	40	01/02/2010 1500
4,6-Dinitro-2-methylphenol	ND	220	100		1	47	13	33-118	40	01/02/2010 1500
2,4-Dinitrophenol	ND	220	87		1	40	8.8	19-119	40	01/02/2010 1500
2,4-Dinitrotoluene	ND	87	40	N	1	46	12	50-104	40	01/02/2010 1500
2,6-Dinitrotoluene	ND	87	42	N	1	48	13	53-128	40	01/02/2010 1500
Di-n-octylphthalate	ND	43	25		1	58	13	40-112	40	01/02/2010 1500
bis(2-Ethylhexyl)phthalate	ND	43	21		1	47	9.1	10-142	40	01/02/2010 1500
Fluoranthene	ND	43	19	N	1	45	9.8	50-124	40	01/02/2010 1500
Fluorene	ND	43	19		1	43	13	39-122	40	01/02/2010 1500
Hexachlorobenzene	ND	43	19	N	1	44	9.6	46-125	40	01/02/2010 1500
Hexachlorobutadiene	ND	43	17	N	1	39	10	42-94	40	01/02/2010 1500
Hexachlorocyclopentadiene	ND	220	62		1	28	5.6	14-89	40	01/02/2010 1500
Hexachloroethane	ND	43	18		1	41	13	39-86	40	01/02/2010 1500
Indeno(1,2,3-c,d)pyrene	ND	43	20		1	45	16	43-113	40	01/02/2010 1500
Isophorone	ND	43	20		1	47	15	42-84	40	01/02/2010 1500
2-Methylnaphthalene	ND	43	18	N	1	40	12	46-90	40	01/02/2010 1500
2-Methylphenol	ND	43	23		1	53	19	33-122	40	01/02/2010 1500
3 & 4-Methylphenol	ND	87	38		1	44	20	24-97	40	01/02/2010 1500

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MSD

Sample ID: KL17024-013MD

Matrix: Aqueous

Batch: 25668

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 12/23/2009 1630

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Naphthalene	ND	43	17	N	1	40	12	46-89	40	01/02/2010 1500
2-Nitroaniline	ND	87	40	N	1	46	13	48-126	40	01/02/2010 1500
3-Nitroaniline	ND	87	12		1	14	13	10-110	40	01/02/2010 1500
4-Nitroaniline	ND	87	35		1	41	10	41-99	40	01/02/2010 1500
Nitrobenzene	ND	43	20		1	46	13	44-91	40	01/02/2010 1500
2-Nitrophenol	ND	87	37		1	42	13	34-102	40	01/02/2010 1500
4-Nitrophenol	ND	220	84		1	39	15	29-122	40	01/02/2010 1500
N-Nitrosodi-n-propylamine	ND	43	22		1	50	15	41-96	40	01/02/2010 1500
N-Nitrosodiphenylamine (Diphenylamine)	ND	43	21		1	49	10	10-150	40	01/02/2010 1500
Pentachlorophenol	ND	220	86		1	40	12	32-110	40	01/02/2010 1500
Phenanthrene	ND	43	19	N	1	44	10	49-122	40	01/02/2010 1500
Phenol	ND	43	14		1	33	17	33-92	40	01/02/2010 1500
Pyrene	ND	43	19	N	1	43	12	50-130	40	01/02/2010 1500
2,4,5-Trichlorophenol	ND	43	20		1	47	12	46-125	40	01/02/2010 1500
2,4,6-Trichlorophenol	ND	43	18		1	42	13	36-123	40	01/02/2010 1500
Surrogate	Q	% Rec	Acceptance Limit							
2-Fluorobiphenyl		87	37-129							
2-Fluorophenol		80	24-127							
Nitrobenzene-d5		99	38-127							
Phenol-d5		67	28-128							
Terphenyl-d14		76	10-148							
2,4,6-Tribromophenol		95	41-144							

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - MB

Sample ID: KQ24171-001

Matrix: Aqueous

Batch: 24171

Prep Method: 3520C

Analytical Method: 8081B

Prep Date: 12/23/2009 1130

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
4,4'-DDD	ND		1	0.025	0.0060	ug/L	12/31/2009 1726
4,4'-DDE	ND		1	0.025	0.0060	ug/L	12/31/2009 1726
4,4'-DDT	ND		1	0.025	0.0030	ug/L	12/31/2009 1726
Aldrin	ND		1	0.025	0.0020	ug/L	12/31/2009 1726
alpha-BHC	ND		1	0.025	0.0030	ug/L	12/31/2009 1726
alpha-Chlordane	ND		1	0.025	0.0030	ug/L	12/31/2009 1726
beta-BHC	ND		1	0.025	0.019	ug/L	12/31/2009 1726
delta-BHC	ND		1	0.025	0.0080	ug/L	12/31/2009 1726
Dieldrin	ND		1	0.025	0.0040	ug/L	12/31/2009 1726
Endosulfan I	ND		1	0.025	0.0060	ug/L	12/31/2009 1726
Endosulfan II	ND		1	0.025	0.024	ug/L	12/31/2009 1726
Endosulfan sulfate	ND		1	0.025	0.0030	ug/L	12/31/2009 1726
Endrin	ND		1	0.025	0.0050	ug/L	12/31/2009 1726
Endrin aldehyde	ND		1	0.025	0.0030	ug/L	12/31/2009 1726
Endrin ketone	ND		1	0.025	0.0040	ug/L	12/31/2009 1726
gamma-BHC (Lindane)	ND		1	0.025	0.0050	ug/L	12/31/2009 1726
gamma-Chlordane	ND		1	0.025	0.0030	ug/L	12/31/2009 1726
Heptachlor	ND		1	0.025	0.020	ug/L	12/31/2009 1726
Heptachlor epoxide	ND		1	0.025	0.0030	ug/L	12/31/2009 1726
Methoxychlor	ND		1	0.10	0.014	ug/L	12/31/2009 1726
Toxaphene	ND		1	0.25	0.030	ug/L	12/31/2009 1726
Surrogate	Q	% Rec	Acceptance Limit				
Decachlorobiphenyl	N	30	49-124				
Tetrachloro-m-xylene		86	58-122				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - LCS

Sample ID: KQ24171-002

Matrix: Aqueous

Batch: 24171

Prep Method: 3520C

Analytical Method: 8081B

Prep Date: 12/23/2009 1130

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
4,4'-DDD	0.50	0.49		1	98	70-130	12/31/2009 1745
4,4'-DDE	0.50	0.47		1	93	70-130	12/31/2009 1745
4,4'-DDT	0.50	0.49		1	98	70-130	12/31/2009 1745
Aldrin	0.50	0.44		1	88	70-130	12/31/2009 1745
alpha-BHC	0.50	0.45		1	90	70-130	12/31/2009 1745
beta-BHC	0.50	0.44		1	88	70-130	12/31/2009 1745
delta-BHC	0.50	0.47		1	95	70-130	12/31/2009 1745
Dieldrin	0.50	0.48		1	95	70-130	12/31/2009 1745
Endosulfan I	0.50	0.45		1	91	70-130	12/31/2009 1745
Endosulfan II	0.50	0.48		1	96	70-130	12/31/2009 1745
Endosulfan sulfate	0.50	0.48		1	96	70-130	12/31/2009 1745
Endrin	0.50	0.49		1	99	70-130	12/31/2009 1745
Endrin aldehyde	0.50	0.49		1	98	70-130	12/31/2009 1745
gamma-BHC (Lindane)	0.50	0.45		1	91	70-130	12/31/2009 1745
gamma-Chlordane	0.50	0.46		1	92	70-130	12/31/2009 1745
Heptachlor	0.50	0.45		1	91	70-130	12/31/2009 1745
Heptachlor epoxide	0.50	0.45		1	89	70-130	12/31/2009 1745
Methoxychlor	0.50	0.59		1	119	70-130	12/31/2009 1745
Surrogate	Q	% Rec	Acceptance Limit				
Decachlorobiphenyl		70	49-124				
Tetrachloro-m-xylene		90	58-122				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - MB

Sample ID: LQ24660-001

Matrix: Aqueous

Batch: 24660

Prep Method: 3520C

Analytical Method: 8081B

Prep Date: 01/04/2010 2121

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
4,4'-DDD	ND		1	0.025	0.0060	ug/L	01/06/2010 0156
4,4'-DDE	ND		1	0.025	0.0060	ug/L	01/06/2010 0156
4,4'-DDT	ND		1	0.025	0.0030	ug/L	01/06/2010 0156
Aldrin	ND		1	0.025	0.0020	ug/L	01/06/2010 0156
alpha-BHC	ND		1	0.025	0.0030	ug/L	01/06/2010 0156
alpha-Chlordane	ND		1	0.025	0.0030	ug/L	01/06/2010 0156
beta-BHC	ND		1	0.025	0.019	ug/L	01/06/2010 0156
delta-BHC	ND		1	0.025	0.0080	ug/L	01/06/2010 0156
Dieldrin	ND		1	0.025	0.0040	ug/L	01/06/2010 0156
Endosulfan I	ND		1	0.025	0.0060	ug/L	01/06/2010 0156
Endosulfan II	ND		1	0.025	0.024	ug/L	01/06/2010 0156
Endosulfan sulfate	ND		1	0.025	0.0030	ug/L	01/06/2010 0156
Endrin	ND		1	0.025	0.0050	ug/L	01/06/2010 0156
Endrin aldehyde	ND		1	0.025	0.0030	ug/L	01/06/2010 0156
Endrin ketone	ND		1	0.025	0.0040	ug/L	01/06/2010 0156
gamma-BHC (Lindane)	ND		1	0.025	0.0050	ug/L	01/06/2010 0156
gamma-Chlordane	ND		1	0.025	0.0030	ug/L	01/06/2010 0156
Heptachlor	ND		1	0.025	0.020	ug/L	01/06/2010 0156
Heptachlor epoxide	ND		1	0.025	0.0030	ug/L	01/06/2010 0156
Methoxychlor	ND		1	0.10	0.014	ug/L	01/06/2010 0156
Toxaphene	ND		1	0.25	0.030	ug/L	01/06/2010 0156
Surrogate	Q	% Rec	Acceptance Limit				
Decachlorobiphenyl		90	49-124				
Tetrachloro-m-xylene		86	58-122				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - LCS

Sample ID: LQ24660-002

Matrix: Aqueous

Batch: 24660

Prep Method: 3520C

Analytical Method: 8081B

Prep Date: 01/04/2010 2121

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
4,4'-DDD	0.50	0.49		1	97	70-130	01/06/2010 0216
4,4'-DDE	0.50	0.46		1	92	70-130	01/06/2010 0216
4,4'-DDT	0.50	0.46		1	91	70-130	01/06/2010 0216
Aldrin	0.50	0.44		1	87	70-130	01/06/2010 0216
alpha-BHC	0.50	0.46		1	91	70-130	01/06/2010 0216
beta-BHC	0.50	0.43		1	86	70-130	01/06/2010 0216
delta-BHC	0.50	0.46		1	92	70-130	01/06/2010 0216
Dieldrin	0.50	0.50		1	99	70-130	01/06/2010 0216
Endosulfan I	0.50	0.43		1	87	70-130	01/06/2010 0216
Endosulfan II	0.50	0.46		1	93	70-130	01/06/2010 0216
Endosulfan sulfate	0.50	0.49		1	97	70-130	01/06/2010 0216
Endrin	0.50	0.51		1	102	70-130	01/06/2010 0216
Endrin aldehyde	0.50	0.34	N	1	68	70-130	01/06/2010 0216
gamma-BHC (Lindane)	0.50	0.45		1	91	70-130	01/06/2010 0216
gamma-Chlordane	0.50	0.46		1	92	70-130	01/06/2010 0216
Heptachlor	0.50	0.43		1	87	70-130	01/06/2010 0216
Heptachlor epoxide	0.50	0.46		1	91	70-130	01/06/2010 0216
Methoxychlor	0.50	0.52		1	103	70-130	01/06/2010 0216
Surrogate	Q	% Rec	Acceptance Limit				
Decachlorobiphenyl		81	49-124				
Tetrachloro-m-xylene		84	58-122				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - LCSD

Sample ID: LQ24660-003

Matrix: Aqueous

Batch: 24660

Prep Method: 3520C

Analytical Method: 8081B

Prep Date: 01/04/2010 2121

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
4,4'-DDD	0.50	0.50		1	99	2.5	70-130	30	01/06/2010 0236
4,4'-DDE	0.50	0.48		1	96	3.7	70-130	30	01/06/2010 0236
4,4'-DDT	0.50	0.47		1	94	3.2	70-130	30	01/06/2010 0236
Aldrin	0.50	0.44		1	88	1.4	70-130	30	01/06/2010 0236
alpha-BHC	0.50	0.47		1	93	2.0	70-130	30	01/06/2010 0236
beta-BHC	0.50	0.43		1	87	1.6	70-130	30	01/06/2010 0236
delta-BHC	0.50	0.47		1	95	3.4	70-130	30	01/06/2010 0236
Dieldrin	0.50	0.51		1	102	2.7	70-130	30	01/06/2010 0236
Endosulfan I	0.50	0.45		1	90	3.6	70-130	30	01/06/2010 0236
Endosulfan II	0.50	0.47		1	94	2.0	70-130	30	01/06/2010 0236
Endosulfan sulfate	0.50	0.49		1	99	1.5	70-130	30	01/06/2010 0236
Endrin	0.50	0.47		1	94	8.1	70-130	30	01/06/2010 0236
Endrin aldehyde	0.50	0.41		1	82	19	70-130	30	01/06/2010 0236
gamma-BHC (Lindane)	0.50	0.47		1	93	2.7	70-130	30	01/06/2010 0236
gamma-Chlordane	0.50	0.48		1	95	3.4	70-130	30	01/06/2010 0236
Heptachlor	0.50	0.45		1	89	2.9	70-130	30	01/06/2010 0236
Heptachlor epoxide	0.50	0.47		1	95	3.7	70-130	30	01/06/2010 0236
Methoxychlor	0.50	0.53		1	107	3.2	70-130	30	01/06/2010 0236
Surrogate	Q	% Rec	Acceptance Limit						
Decachlorobiphenyl		74	49-124						
Tetrachloro-m-xylene		87	58-122						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - MB

Sample ID: LQ25657-001

Matrix: Aqueous

Batch: 25657

Prep Method: 3520C

Analytical Method: 8081B

Prep Date: 01/04/2010 1738

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
4,4'-DDD	ND		1	0.025	0.0060	ug/L	01/06/2010 0356
4,4'-DDE	ND		1	0.025	0.0060	ug/L	01/06/2010 0356
4,4'-DDT	0.036		1	0.025	0.0030	ug/L	01/06/2010 0356
Aldrin	ND		1	0.025	0.0020	ug/L	01/06/2010 0356
alpha-BHC	ND		1	0.025	0.0030	ug/L	01/06/2010 0356
alpha-Chlordane	ND		1	0.025	0.0030	ug/L	01/06/2010 0356
beta-BHC	ND		1	0.025	0.019	ug/L	01/06/2010 0356
delta-BHC	ND		1	0.025	0.0080	ug/L	01/06/2010 0356
Dieldrin	ND		1	0.025	0.0040	ug/L	01/06/2010 0356
Endosulfan I	ND		1	0.025	0.0060	ug/L	01/06/2010 0356
Endosulfan II	ND		1	0.025	0.024	ug/L	01/06/2010 0356
Endosulfan sulfate	ND		1	0.025	0.0030	ug/L	01/06/2010 0356
Endrin	ND		1	0.025	0.0050	ug/L	01/06/2010 0356
Endrin aldehyde	0.0035	J	1	0.025	0.0030	ug/L	01/06/2010 0356
Endrin ketone	ND		1	0.025	0.0040	ug/L	01/06/2010 0356
gamma-BHC (Lindane)	ND		1	0.025	0.0050	ug/L	01/06/2010 0356
gamma-Chlordane	ND		1	0.025	0.0030	ug/L	01/06/2010 0356
Heptachlor	ND		1	0.025	0.020	ug/L	01/06/2010 0356
Heptachlor epoxide	ND		1	0.025	0.0030	ug/L	01/06/2010 0356
Methoxychlor	ND		1	0.10	0.014	ug/L	01/06/2010 0356
Toxaphene	ND		1	0.25	0.030	ug/L	01/06/2010 0356
Surrogate	Q	% Rec	Acceptance Limit				
Decachlorobiphenyl		85	49-124				
Tetrachloro-m-xylene		83	58-122				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - LCS

Sample ID: LQ25657-002

Matrix: Aqueous

Batch: 25657

Prep Method: 3520C

Analytical Method: 8081B

Prep Date: 01/04/2010 1738

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
4,4'-DDD	0.50	0.49		1	97	70-130	01/06/2010 0412
4,4'-DDE	0.50	0.48		1	96	70-130	01/06/2010 0412
4,4'-DDT	0.50	0.51		1	102	70-130	01/06/2010 0412
Aldrin	0.50	0.46		1	92	70-130	01/06/2010 0412
alpha-BHC	0.50	0.46		1	93	70-130	01/06/2010 0412
beta-BHC	0.50	0.42		1	84	70-130	01/06/2010 0412
delta-BHC	0.50	0.47		1	95	70-130	01/06/2010 0412
Dieldrin	0.50	0.50		1	99	70-130	01/06/2010 0412
Endosulfan I	0.50	0.44		1	88	70-130	01/06/2010 0412
Endosulfan II	0.50	0.54		1	108	70-130	01/06/2010 0412
Endosulfan sulfate	0.50	0.47		1	94	70-130	01/06/2010 0412
Endrin	0.50	0.49		1	98	70-130	01/06/2010 0412
Endrin aldehyde	0.50	0.40		1	81	70-130	01/06/2010 0412
gamma-BHC (Lindane)	0.50	0.47		1	94	70-130	01/06/2010 0412
gamma-Chlordane	0.50	0.48		1	96	70-130	01/06/2010 0412
Heptachlor	0.50	0.45		1	91	70-130	01/06/2010 0412
Heptachlor epoxide	0.50	0.47		1	94	70-130	01/06/2010 0412
Methoxychlor	0.50	0.46		1	91	70-130	01/06/2010 0412
Surrogate	Q	% Rec	Acceptance Limit				
Decachlorobiphenyl		77	49-124				
Tetrachloro-m-xylene		93	58-122				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - LCSD

Sample ID: LQ25657-003

Batch: 25657

Analytical Method: 8081B

Matrix: Aqueous

Prep Method: 3520C

Prep Date: 01/04/2010 1738

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
4,4'-DDD	0.50	0.87	N,+	1	174	200	70-130	30	01/06/2010 1906
4,4'-DDE	0.50	0.89	N,+	1	178	200	70-130	30	01/06/2010 1906
4,4'-DDT	0.50	1.0	N,+	1	204	200	70-130	30	01/06/2010 1906
Aldrin	0.50	0.81	N,+	1	162	200	70-130	30	01/06/2010 1906
alpha-BHC	0.50	0.83	N,+	1	166	200	70-130	30	01/06/2010 1906
beta-BHC	0.50	0.72	N,+	1	145	200	70-130	30	01/06/2010 1906
delta-BHC	0.50	0.84	N,+	1	168	200	70-130	30	01/06/2010 1906
Dieldrin	0.50	0.88	N,+	1	176	200	70-130	30	01/06/2010 1906
Endosulfan I	0.50	0.75	N,+	1	151	200	70-130	30	01/06/2010 1906
Endosulfan II	0.50	0.80	N,+	1	161	200	70-130	30	01/06/2010 1906
Endosulfan sulfate	0.50	0.82	N,+	1	164	200	70-130	30	01/06/2010 1906
Endrin	0.50	0.62	+	1	123	200	70-130	30	01/06/2010 1906
Endrin aldehyde	0.50	0.82	N,+	1	164	200	70-130	30	01/06/2010 1906
gamma-BHC (Lindane)	0.50	0.82	N,+	1	165	200	70-130	30	01/06/2010 1906
gamma-Chlordane	0.50	0.86	N,+	1	172	200	70-130	30	01/06/2010 1906
Heptachlor	0.50	0.76	N,+	1	151	200	70-130	30	01/06/2010 1906
Heptachlor epoxide	0.50	0.83	N,+	1	165	200	70-130	30	01/06/2010 1906
Methoxychlor	0.50	0.79	N,+	1	158	200	70-130	30	01/06/2010 1906
Surrogate	Q	% Rec	Acceptance Limit						
Decachlorobiphenyl	N	148	49-124						
Tetrachloro-m-xylene	N	162	58-122						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - MB

Sample ID: LQ25659-001

Matrix: Aqueous

Batch: 25659

Prep Method: 3520C

Analytical Method: 8081B

Prep Date: 12/23/2009 1130

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
4,4'-DDD	ND		1	0.025	0.0060	ug/L	12/31/2009 1726
4,4'-DDE	ND		1	0.025	0.0060	ug/L	12/31/2009 1726
4,4'-DDT	ND		1	0.025	0.0030	ug/L	12/31/2009 1726
Aldrin	ND		1	0.025	0.0020	ug/L	12/31/2009 1726
alpha-BHC	ND		1	0.025	0.0030	ug/L	12/31/2009 1726
alpha-Chlordane	ND		1	0.025	0.0030	ug/L	12/31/2009 1726
beta-BHC	ND		1	0.025	0.019	ug/L	12/31/2009 1726
delta-BHC	ND		1	0.025	0.0080	ug/L	12/31/2009 1726
Dieldrin	ND		1	0.025	0.0040	ug/L	12/31/2009 1726
Endosulfan I	ND		1	0.025	0.0060	ug/L	12/31/2009 1726
Endosulfan II	ND		1	0.025	0.024	ug/L	12/31/2009 1726
Endosulfan sulfate	ND		1	0.025	0.0030	ug/L	12/31/2009 1726
Endrin	ND		1	0.025	0.0050	ug/L	12/31/2009 1726
Endrin aldehyde	ND		1	0.025	0.0030	ug/L	12/31/2009 1726
Endrin ketone	ND		1	0.025	0.0040	ug/L	12/31/2009 1726
gamma-BHC (Lindane)	ND		1	0.025	0.0050	ug/L	12/31/2009 1726
gamma-Chlordane	ND		1	0.025	0.0030	ug/L	12/31/2009 1726
Heptachlor	ND		1	0.025	0.020	ug/L	12/31/2009 1726
Heptachlor epoxide	ND		1	0.025	0.0030	ug/L	12/31/2009 1726
Methoxychlor	ND		1	0.10	0.014	ug/L	12/31/2009 1726
Toxaphene	ND		1	0.25	0.030	ug/L	12/31/2009 1726
Surrogate	Q	% Rec	Acceptance Limit				
Decachlorobiphenyl	N	30	49-124				
Tetrachloro-m-xylene		86	58-122				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - LCS

Sample ID: LQ25659-002

Matrix: Aqueous

Batch: 25659

Prep Method: 3520C

Analytical Method: 8081B

Prep Date: 12/23/2009 1130

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
4,4'-DDD	0.50	0.49		1	98	70-130	12/31/2009 1745
4,4'-DDE	0.50	0.47		1	93	70-130	12/31/2009 1745
4,4'-DDT	0.50	0.49		1	98	70-130	12/31/2009 1745
Aldrin	0.50	0.44		1	88	70-130	12/31/2009 1745
alpha-BHC	0.50	0.45		1	90	70-130	12/31/2009 1745
beta-BHC	0.50	0.44		1	88	70-130	12/31/2009 1745
delta-BHC	0.50	0.47		1	95	70-130	12/31/2009 1745
Dieldrin	0.50	0.48		1	95	70-130	12/31/2009 1745
Endosulfan I	0.50	0.45		1	91	70-130	12/31/2009 1745
Endosulfan II	0.50	0.48		1	96	70-130	12/31/2009 1745
Endosulfan sulfate	0.50	0.48		1	96	70-130	12/31/2009 1745
Endrin	0.50	0.49		1	99	70-130	12/31/2009 1745
Endrin aldehyde	0.50	0.49		1	98	70-130	12/31/2009 1745
gamma-BHC (Lindane)	0.50	0.45		1	91	70-130	12/31/2009 1745
gamma-Chlordane	0.50	0.46		1	92	70-130	12/31/2009 1745
Heptachlor	0.50	0.45		1	91	70-130	12/31/2009 1745
Heptachlor epoxide	0.50	0.45		1	89	70-130	12/31/2009 1745
Methoxychlor	0.50	0.59		1	119	70-130	12/31/2009 1745
Surrogate	Q	% Rec	Acceptance Limit				
Decachlorobiphenyl		70	49-124				
Tetrachloro-m-xylene		90	58-122				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - MS

Sample ID: KL17024-013MS

Matrix: Aqueous

Batch: 25659

Prep Method: 3520C

Analytical Method: 8081B

Prep Date: 12/23/2009 1130

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aldrin	ND	1.1	0.91		1	82	70-130	12/31/2009 1825
alpha-BHC	ND	1.1	0.94		1	84	70-130	12/31/2009 1825
beta-BHC	ND	1.1	0.91		1	82	70-130	12/31/2009 1825
delta-BHC	ND	1.1	1.0		1	90	70-130	12/31/2009 1825
gamma-BHC (Lindane)	ND	1.1	0.94		1	85	70-130	12/31/2009 1825
gamma-Chlordane	ND	1.1	0.95		1	85	70-130	12/31/2009 1825
4,4'-DDD	ND	1.1	1.0		1	92	70-130	12/31/2009 1825
4,4'-DDE	ND	1.1	0.96		1	86	70-130	12/31/2009 1825
4,4'-DDT	ND	1.1	1.0		1	92	70-130	12/31/2009 1825
Dieldrin	ND	1.1	0.99		1	89	70-130	12/31/2009 1825
Endosulfan I	ND	1.1	0.92		1	83	70-130	12/31/2009 1825
Endosulfan II	ND	1.1	1.0		1	91	70-130	12/31/2009 1825
Endosulfan sulfate	ND	1.1	1.0		1	92	70-130	12/31/2009 1825
Endrin	ND	1.1	1.1		1	95	70-130	12/31/2009 1825
Endrin aldehyde	ND	1.1	1.0		1	94	70-130	12/31/2009 1825
Heptachlor	ND	1.1	0.95		1	85	70-130	12/31/2009 1825
Heptachlor epoxide	ND	1.1	0.92		1	83	70-130	12/31/2009 1825
Methoxychlor	ND	1.1	1.3		1	116	70-130	12/31/2009 1825
Surrogate	Q	% Rec	Acceptance Limit					
Decachlorobiphenyl		77	49-124					
Tetrachloro-m-xylene		83	58-122					

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - MSD

Sample ID: KL17024-013MD

Batch: 25659

Analytical Method: 8081B

Matrix: Aqueous

Prep Method: 3520C

Prep Date: 12/23/2009 1130

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Aldrin	ND	1.1	0.96		1	86	4.6	70-130	30	12/31/2009 1845
alpha-BHC	ND	1.1	0.98		1	89	4.8	70-130	30	12/31/2009 1845
beta-BHC	ND	1.1	0.94		1	85	3.8	70-130	30	12/31/2009 1845
delta-BHC	ND	1.1	1.0		1	94	4.6	70-130	30	12/31/2009 1845
gamma-BHC (Lindane)	ND	1.1	0.99		1	89	4.7	70-130	30	12/31/2009 1845
gamma-Chlordane	ND	1.1	0.98		1	88	3.8	70-130	30	12/31/2009 1845
4,4'-DDD	ND	1.1	1.1		1	95	3.0	70-130	30	12/31/2009 1845
4,4'-DDE	ND	1.1	0.99		1	89	3.1	70-130	30	12/31/2009 1845
4,4'-DDT	ND	1.1	1.0		1	93	1.1	70-130	30	12/31/2009 1845
Dieldrin	ND	1.1	1.0		1	93	3.9	70-130	30	12/31/2009 1845
Endosulfan I	ND	1.1	0.96		1	87	4.1	70-130	30	12/31/2009 1845
Endosulfan II	ND	1.1	1.0		1	94	2.8	70-130	30	12/31/2009 1845
Endosulfan sulfate	ND	1.1	1.0		1	94	1.5	70-130	30	12/31/2009 1845
Endrin	ND	1.1	1.1		1	97	2.5	70-130	30	12/31/2009 1845
Endrin aldehyde	ND	1.1	1.1		1	96	2.5	70-130	30	12/31/2009 1845
Heptachlor	ND	1.1	0.99		1	89	4.5	70-130	30	12/31/2009 1845
Heptachlor epoxide	ND	1.1	0.96		1	87	4.0	70-130	30	12/31/2009 1845
Methoxychlor	ND	1.1	1.3		1	115	0.14	70-130	30	12/31/2009 1845
Surrogate	Q	% Rec	Acceptance Limit							
Decachlorobiphenyl		78	49-124							
Tetrachloro-m-xylene		86	58-122							

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MB

Sample ID: KQ24095-001

Matrix: Aqueous

Batch: 24095

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/22/2009 1500

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Arsenic	ND		1	0.010	0.0040	mg/L	12/29/2009 2159
Barium	ND		1	0.025	0.0075	mg/L	12/29/2009 2159
Cadmium	ND		1	0.0020	0.00060	mg/L	12/29/2009 2159
Chromium	ND		1	0.0050	0.0021	mg/L	12/31/2009 1715
Lead	0.0022	J	1	0.010	0.0019	mg/L	12/29/2009 2159
Selenium	ND		1	0.010	0.0026	mg/L	12/30/2009 2114
Silver	ND		1	0.0050	0.00040	mg/L	12/29/2009 2159

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCS

Sample ID: KQ24095-002

Matrix: Aqueous

Batch: 24095

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/22/2009 1500

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Arsenic	0.40	0.42		1	105	80-120	12/29/2009 2205
Barium	2.0	2.2		1	108	80-120	12/29/2009 2205
Cadmium	0.40	0.41		1	102	80-120	12/29/2009 2205
Chromium	2.0	2.2		1	109	80-120	12/31/2009 1721
Lead	0.40	0.37		1	92	80-120	12/29/2009 2205
Selenium	0.40	0.43		1	107	80-120	12/30/2009 2120
Silver	0.40	0.44		1	109	80-120	12/29/2009 2205

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCSD

Sample ID: KQ24095-003

Matrix: Aqueous

Batch: 24095

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/22/2009 1500

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Arsenic	0.40	0.42		1	106	0.46	80-120	20	12/29/2009 2211
Barium	2.0	2.2		1	110	1.8	80-120	20	12/29/2009 2211
Cadmium	0.40	0.41		1	103	1.3	80-120	20	12/29/2009 2211
Chromium	2.0	2.2		1	109	0.030	80-120	20	12/31/2009 1727
Lead	0.40	0.40		1	99	7.5	80-120	20	12/29/2009 2211
Selenium	0.40	0.44		1	109	1.9	80-120	20	12/30/2009 2126
Silver	0.40	0.44		1	110	1.2	80-120	20	12/29/2009 2211

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - MB

Sample ID: KQ23801-001

Matrix: Aqueous

Batch: 23801

Prep Method: 7470A

Analytical Method: 7470A

Prep Date: 12/17/2009 2030

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Mercury	ND		1	0.00010	0.000053	mg/L	12/17/2009 2311

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - LCS

Sample ID: KQ23801-002

Matrix: Aqueous

Batch: 23801

Prep Method: 7470A

Analytical Method: 7470A

Prep Date: 12/17/2009 2030

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.0020	0.0019		1	97	85-115	12/17/2009 2313

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - LCSD

Sample ID: KQ23801-003

Matrix: Aqueous

Batch: 23801

Prep Method: 7470A

Analytical Method: 7470A

Prep Date: 12/17/2009 2030

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	0.0020	0.0018		1	88	9.7	85-115	20	12/17/2009 2316

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MB

Sample ID: LQ25665-001

Matrix: Aqueous

Batch: 25665

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/22/2009 1500

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Arsenic	ND		1	0.010	0.0040	mg/L	12/29/2009 2159
Barium	ND		1	0.025	0.0075	mg/L	12/29/2009 2159
Cadmium	ND		1	0.0020	0.00060	mg/L	12/29/2009 2159
Chromium	ND		1	0.0050	0.0021	mg/L	12/29/2009 2159
Lead	0.0022	J	1	0.010	0.0019	mg/L	12/29/2009 2159
Selenium	ND		1	0.010	0.0026	mg/L	12/30/2009 2114
Silver	ND		1	0.0050	0.00040	mg/L	12/29/2009 2159

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCS

Sample ID: LQ25665-002

Matrix: Aqueous

Batch: 25665

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/22/2009 1500

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Arsenic	0.40	0.42		1	105	80-120	12/29/2009 2205
Barium	2.0	2.2		1	108	80-120	12/29/2009 2205
Cadmium	0.40	0.41		1	102	80-120	12/29/2009 2205
Chromium	2.0	2.1		1	103	80-120	12/29/2009 2205
Lead	0.40	0.37		1	92	80-120	12/29/2009 2205
Selenium	0.40	0.43		1	107	80-120	12/30/2009 2120
Silver	0.40	0.44		1	109	80-120	12/29/2009 2205

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCSD

Sample ID: LQ25665-003

Matrix: Aqueous

Batch: 25665

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/22/2009 1500

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Arsenic	0.40	0.42		1	106	0.46	80-120	20	12/29/2009 2211
Barium	2.0	2.2		1	110	1.8	80-120	20	12/29/2009 2211
Cadmium	0.40	0.41		1	103	1.3	80-120	20	12/29/2009 2211
Chromium	2.0	2.1		1	105	1.5	80-120	20	12/29/2009 2211
Lead	0.40	0.40		1	99	7.5	80-120	20	12/29/2009 2211
Selenium	0.40	0.44		1	109	1.9	80-120	20	12/30/2009 2126
Silver	0.40	0.44		1	110	1.2	80-120	20	12/29/2009 2211

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MB

Sample ID: LQ25666-001

Matrix: Aqueous

Batch: 25666

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/22/2009 1500

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Arsenic	ND		1	0.010	0.0040	mg/L	12/30/2009 0234
Barium	ND		1	0.025	0.0075	mg/L	12/30/2009 0234
Cadmium	ND		1	0.0020	0.00060	mg/L	12/30/2009 0234
Chromium	0.0038	J	1	0.0050	0.0021	mg/L	12/30/2009 0234
Lead	ND		1	0.010	0.0019	mg/L	12/30/2009 0234
Selenium	0.0034	J	1	0.010	0.0026	mg/L	12/31/2009 0042
Silver	ND		1	0.0050	0.00040	mg/L	12/31/2009 0042

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCS

Sample ID: LQ25666-002

Matrix: Aqueous

Batch: 25666

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/22/2009 1500

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Arsenic	0.40	0.39		1	98	80-120	12/30/2009 0240
Barium	2.0	2.1		1	104	80-120	12/30/2009 0240
Cadmium	0.40	0.38		1	95	80-120	12/30/2009 0240
Chromium	2.0	1.9		1	97	80-120	12/30/2009 0240
Lead	0.40	0.37		1	92	80-120	12/30/2009 0240
Selenium	0.40	0.42		1	105	80-120	12/31/2009 0048
Silver	0.40	0.44		1	109	80-120	12/31/2009 0048

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCSD

Sample ID: LQ25666-003

Matrix: Aqueous

Batch: 25666

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/22/2009 1500

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Arsenic	0.40	0.39		1	98	0.30	80-120	20	12/30/2009 0245
Barium	2.0	2.1		1	104	0.62	80-120	20	12/30/2009 0245
Cadmium	0.40	0.38		1	95	0.61	80-120	20	12/30/2009 0245
Chromium	2.0	1.9		1	97	0.34	80-120	20	12/30/2009 0245
Lead	0.40	0.35		1	88	4.1	80-120	20	12/30/2009 0245
Selenium	0.40	0.42		1	106	1.3	80-120	20	12/31/2009 0054
Silver	0.40	0.44		1	110	0.80	80-120	20	12/31/2009 0054

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MB

Sample ID: LQ25667-001

Matrix: Aqueous

Batch: 25667

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/18/2009 1630

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Arsenic	ND		1	0.010	0.0040	mg/L	12/19/2009 1830
Barium	ND		1	0.025	0.0075	mg/L	12/19/2009 1830
Cadmium	ND		1	0.0020	0.00060	mg/L	12/19/2009 1830
Chromium	ND		1	0.0050	0.0021	mg/L	12/19/2009 1830
Lead	ND		1	0.010	0.0019	mg/L	12/19/2009 1830
Selenium	ND		1	0.010	0.0026	mg/L	12/19/2009 1830
Silver	0.0014	J	1	0.0050	0.00040	mg/L	12/21/2009 1725

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCS

Sample ID: LQ25667-002

Matrix: Aqueous

Batch: 25667

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/18/2009 1630

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Arsenic	0.40	0.43		1	107	80-120	12/19/2009 1834
Barium	2.0	2.1		1	104	80-120	12/19/2009 1834
Cadmium	0.40	0.41		1	103	80-120	12/19/2009 1834
Chromium	2.0	1.9		1	96	80-120	12/19/2009 1834
Lead	0.40	0.43		1	107	80-120	12/19/2009 1834
Selenium	0.40	0.44		1	109	80-120	12/19/2009 1834
Silver	0.40	0.40		1	101	80-120	12/21/2009 1731

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCSD

Sample ID: LQ25667-003

Batch: 25667

Analytical Method: 6010C

Matrix: Aqueous

Prep Method: 3005A

Prep Date: 12/18/2009 1630

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Arsenic	0.40	0.43		1	107	0.52	80-120	20	12/19/2009 1838
Barium	2.0	2.1		1	105	0.74	80-120	20	12/19/2009 1838
Cadmium	0.40	0.42		1	104	1.1	80-120	20	12/19/2009 1838
Chromium	2.0	1.9		1	96	0.30	80-120	20	12/19/2009 1838
Lead	0.40	0.43		1	107	0.0012	80-120	20	12/19/2009 1838
Selenium	0.40	0.44		1	110	1.3	80-120	20	12/19/2009 1838
Silver	0.40	0.40		1	101	0.20	80-120	20	12/21/2009 1736

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - MB

Sample ID: LQ25661-001

Batch: 25661

Analytical Method: 7470A

Matrix: Aqueous

Prep Method: 7470A

Prep Date: 12/17/2009 2030

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Mercury	ND		1	0.00010	0.000053	mg/L	12/17/2009 2311

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - LCS

Sample ID: LQ25661-002

Batch: 25661

Analytical Method: 7470A

Matrix: Aqueous

Prep Method: 7470A

Prep Date: 12/17/2009 2030

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.0020	0.0019		1	97	85-115	12/17/2009 2313

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - LCSD

Sample ID: LQ25661-003

Matrix: Aqueous

Batch: 25661

Prep Method: 7470A

Analytical Method: 7470A

Prep Date: 12/17/2009 2030

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	0.0020	0.0018		1	88	9.7	85-115	20	12/17/2009 2316

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - MB

Sample ID: LQ25663-001

Batch: 25663

Analytical Method: 7470A

Matrix: Aqueous

Prep Method: 7470A

Prep Date: 12/17/2009 2030

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Mercury	ND		1	0.00010	0.000053	mg/L	12/18/2009 0030

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - LCS

Sample ID: LQ25663-002

Batch: 25663

Analytical Method: 7470A

Matrix: Aqueous

Prep Method: 7470A

Prep Date: 12/17/2009 2030

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.0020	0.0019		1	95	85-115	12/18/2009 0033

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - LCSD

Sample ID: LQ25663-003

Matrix: Aqueous

Batch: 25663

Prep Method: 7470A

Analytical Method: 7470A

Prep Date: 12/17/2009 2030

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	0.0020	0.0019		1	96	1.6	85-115	20	12/18/2009 0036

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

SHEALY ENVIRONMENTAL SERVICES, INC.

Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 102697

[illegible]

Document Number: F-AD-012 Effective Date: 06-04-02

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 6

Page 1 of 1
Replaces Date: 09/22/06
Effective Date: 05/29/07

Sample Receipt Checklist (SRC)

Client: Arcadis Cooler Inspected by/date: EC 12/17/09 Lot #: KL17024

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☒ FedEx ☐ Airborne Exp ☐ Other		
Yes ☒ No ☐ NA ☐	1. Were custody seals present on the cooler?	
Yes ☒ No ☐ NA ☐	2. If custody seals were present, were they intact and unbroken?	
Cooler ID/temperature upon receipt: <u>4.6</u> °C <u>/</u> °C <u>/</u> °C <u>/</u> °C		
Method: ☐ Temperature Blank ☒ Against Bottles		
Method of coolant: ☒ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None		
If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.		
Yes ☐ No ☐ NA ☒	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other: _____ (For coolers received via commercial courier, PMs are to be notified immediately.)	
Yes ☒ No ☐ NA ☐	4. Is the commercial courier's packing slip attached to this form?	
Yes ☒ No ☐ NA ☐	5. Were proper custody procedures (relinquished/received) followed?	
Yes ☒ No ☐ NA ☐	6. Were sample IDs listed?	
Yes ☒ No ☐ NA ☐	7. Was collection date & time listed?	
Yes ☒ No ☐ NA ☐	8. Were tests to be performed listed on the COC or was quote # provided?	
Yes ☒ No ☐ NA ☐	9. Did all samples arrive in the proper containers for each test?	
Yes ☒ No ☐ NA ☐	10. Did all container label information (ID, date, time) agree with COC?	
Yes ☒ No ☐ NA ☐	11. Did all containers arrive in good condition (unbroken, lids on, etc.)?	
Yes ☒ No ☐ NA ☐	12. Was adequate sample volume available?	
Yes ☒ No ☐ NA ☐	13. Were all samples received within 1/2 the holding time or 48 hours, whichever comes first?	
Yes ☐ No ☒ NA ☐	14. Were any samples containers missing?	
Yes ☐ No ☒ NA ☐	15. Were there any excess samples not listed on COC?	
Yes ☐ No ☒ NA ☐	16. Were bubbles present >"pea-size" (4" or 6mm in diameter) in any VOA vials?	
Yes ☒ No ☐ NA ☐	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?	
Yes ☐ No ☐ NA ☒	18. Were all cyanide and/or sulfide samples received at a pH >12?	
Yes ☐ No ☐ NA ☒	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) and toxicity (<0.1mg/L) samples free of residual chlorine?	
Yes ☐ No ☐ NA ☒	20. Were collection temperatures documented on the COC for NC samples?	
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)		
Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (VOA/CO) with the SR # (number) _____		
Sample(s) _____ WE _____		
Sample(s) _____		
TKN/cyanide/BNA/pest/PCB/herb _____		
Toxicity sample(s) _____		
analyzed by method 330.5.		

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐

SESI employee: _____

Comments: _____

FedEx. PRIORITY OVERNIGHT
 THU
 Emp# 73580 22:59 16DEC09
 TRK# 8512 1114 4475 FORM 0215
 29172 -SC-US
 CAE
 Deliver By: 17DEC09
XH USCA


Report of Analysis

ARCADIS U.S., Inc.
30 Patewood Drive
Suite 155
Greenville, SC 29615
Attention: Janet Christy

Project Name: Hunter - HAA01

Project Number: GP08HAFS.H01B.NALTM

Lot Number: KL18009

Date Completed: 01/15/2010

Date Revised: 01/20/2010



Nisreen Saikaly
Project Manager



This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

*** KL18009 ***

SHEALY ENVIRONMENTAL SERVICES, INC.

SC DHEC No: 32010

NELAC No: E87653

NC DEHNR No: 329

Case Narrative ARCADIS U.S., Inc. Lot Number: KL18009

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Pesticides

The sample results associated with a P qualifier have a relative percent difference (RPD) between the two dissimilar phase GC columns which exceeds 40%. In accordance with Section 7.10.4 of SW-846 method 8000B, the higher of the two results is reported. Due to disparity of the two results, it is likely that the reported results are biased high, or maybe a false positive.

The surrogate recovery for both surrogates in sample -004 was outside the acceptance limit, this sample was re-extracted and re-analyzed outside the holding time, yielding the same results. The surrogate recovery is attributed to matrix interference. All sample results are reported and no corrective action is required.

As per SOP requirements, only one of the surrogates has to be within acceptance limits. The sample results are reported and no corrective action is required.

Volatile Organic Compound

The LCS recovery for 1,2,4-Trichlorobenzene was outside method control limits in batch 24494. The LCSD results were within limits. Therefore the associated sample results were reported and no corrective action was required.

Sample -017 was run at a 2X dilution. The extract of this sample was black and viscous.

The surrogate recovery of sample -018 was outside acceptance limits. One bottle for this sample was received broken. No sample remained for re- extraction.

Semivolatile Organic Compounds

The MS/MSD recoveries in batch 24263 were outside acceptance criteria. All other QA/QC criteria for the batch were within acceptance criteria and method control limits. The MS/MSD recovery results are attributed to matrix interference. The associated sample results were reported and no corrective action was required.

Sample -017 was run at a 2X dilution. The extract of this sample was black and viscous.

The surrogate recovery of sample -018 was outside acceptance limits. One bottle for this sample was received broken. No sample remained for re- extraction.

SHEALY ENVIRONMENTAL SERVICES, INC.

Sample Summary ARCADIS U.S., Inc. Lot Number: KL18009

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	COE-MW-06 (121709)	Aqueous	12/17/2009 0930	12/18/2009
002	COE-MW-05 (121709)	Aqueous	12/17/2009 1105	12/18/2009
003	HAA01-MW-11 (121709)	Aqueous	12/17/2009 1220	12/18/2009
004	HAA01-MW-12 (121709)	Aqueous	12/17/2009 1330	12/18/2009
005	HAA01-MW-12D (121709)	Aqueous	12/17/2009 1510	12/18/2009
006	TB1(121709)	Aqueous	12/17/2009 0800	12/18/2009
007	HMW-10 (121709)	Aqueous	12/17/2009 1046	12/18/2009
008	HAA01-MW-15 (121709)	Aqueous	12/17/2009 1225	12/18/2009
009	COE-MW-4 (121709)	Aqueous	12/17/2009 1355	12/18/2009
010	HMW-13 (121709)	Aqueous	12/17/2009 1521	12/18/2009
011	TB-02(121709)	Aqueous	12/17/2009 1000	12/18/2009
012	HAA01-MW-10 (121709)	Aqueous	12/17/2009 1650	01/18/2010
013	HMW21 (121709)	Aqueous	12/17/2009 1655	01/18/2010
014	TB-04 (121709)	Aqueous	12/17/2009 1600	01/18/2010
015	HMW-4 (121709)	Aqueous	12/17/2009 0920	01/18/2010
016	HAA01-MW-17 (121709)	Aqueous	12/17/2009 1150	01/18/2010
017	HMW-24 (121709)	Aqueous	12/17/2009 1315	01/18/2010
018	HMW-23 (121709)	Aqueous	12/17/2009 1420	01/18/2010
019	HMW-6 (121709)	Aqueous	12/17/2009 1540	01/18/2010
020	HAA01-MW-16 (121709)	Aqueous	12/17/2009 0923	01/18/2010
021	TB-03 (121709)	Aqueous	12/17/2009 0900	01/18/2010

(21 samples)

SHEALY ENVIRONMENTAL SERVICES, INC.

Executive Summary

ARCADIS U.S., Inc.

Lot Number: KL18009

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	COE-MW-06 (121709)	Aqueous	Acetone	8260B	4.6	J	ug/L	7
001	COE-MW-06 (121709)	Aqueous	Benzene	8260B	0.24	J	ug/L	7
001	COE-MW-06 (121709)	Aqueous	Carbon disulfide	8260B	0.14	J	ug/L	7
001	COE-MW-06 (121709)	Aqueous	trans-1,2-Dichloroethene	8260B	0.60		ug/L	7
001	COE-MW-06 (121709)	Aqueous	1,1-Dichloroethene	8260B	0.76		ug/L	7
001	COE-MW-06 (121709)	Aqueous	cis-1,2-Dichloroethene	8260B	240		ug/L	7
001	COE-MW-06 (121709)	Aqueous	2-Hexanone	8260B	0.30	J	ug/L	7
001	COE-MW-06 (121709)	Aqueous	Barium	6010C	0.036		mg/L	11
001	COE-MW-06 (121709)	Aqueous	Chromium	6010C	0.0033	J	mg/L	11
001	COE-MW-06 (121709)	Aqueous	Silver	6010C	0.0014	J	mg/L	11
002	COE-MW-05 (121709)	Aqueous	Benzene	8260B	0.18	J	ug/L	12
002	COE-MW-05 (121709)	Aqueous	trans-1,2-Dichloroethene	8260B	0.29	J	ug/L	12
002	COE-MW-05 (121709)	Aqueous	cis-1,2-Dichloroethene	8260B	69		ug/L	12
002	COE-MW-05 (121709)	Aqueous	2-Hexanone	8260B	1.2	J	ug/L	12
002	COE-MW-05 (121709)	Aqueous	Vinyl chloride	8260B	0.75		ug/L	13
002	COE-MW-05 (121709)	Aqueous	Barium	6010C	0.047		mg/L	16
002	COE-MW-05 (121709)	Aqueous	Chromium	6010C	0.0033	J	mg/L	16
002	COE-MW-05 (121709)	Aqueous	Silver	6010C	0.0020	J	mg/L	16
003	HAA01-MW-11 (121709)	Aqueous	Acetone	8260B	8.2	J	ug/L	17
003	HAA01-MW-11 (121709)	Aqueous	Carbon disulfide	8260B	0.10	J	ug/L	17
003	HAA01-MW-11 (121709)	Aqueous	Mercury	7470A	0.000059	J	mg/L	20
003	HAA01-MW-11 (121709)	Aqueous	Barium	6010C	0.058		mg/L	21
003	HAA01-MW-11 (121709)	Aqueous	Chromium	6010C	0.0073		mg/L	21
003	HAA01-MW-11 (121709)	Aqueous	Silver	6010C	0.0018	J	mg/L	21
004	HAA01-MW-12 (121709)	Aqueous	Acetone	8260B	70		ug/L	22
004	HAA01-MW-12 (121709)	Aqueous	Carbon disulfide	8260B	0.15	J	ug/L	22
004	HAA01-MW-12 (121709)	Aqueous	Barium	6010C	0.094		mg/L	27
004	HAA01-MW-12 (121709)	Aqueous	Chromium	6010C	0.0029	J	mg/L	27
005	HAA01-MW-12D (121709)	Aqueous	Acetone	8260B	3.1	J	ug/L	28
005	HAA01-MW-12D (121709)	Aqueous	Carbon disulfide	8260B	0.45	J	ug/L	28
005	HAA01-MW-12D (121709)	Aqueous	Barium	6010C	0.0094	J	mg/L	32
005	HAA01-MW-12D (121709)	Aqueous	Chromium	6010C	0.0024	J	mg/L	32
005	HAA01-MW-12D (121709)	Aqueous	Lead	6010C	0.0028	J	mg/L	32
005	HAA01-MW-12D (121709)	Aqueous	Silver	6010C	0.0013	J	mg/L	32
006	TB1(121709)	Aqueous	Acetone	8260B	2.1	J	ug/L	33
007	HMW-10 (121709)	Aqueous	Acetone	8260B	3.2	J	ug/L	35
007	HMW-10 (121709)	Aqueous	2-Hexanone	8260B	0.30	J	ug/L	35
008	HAA01-MW-15 (121709)	Aqueous	Acetone	8260B	4.7	J	ug/L	39
008	HAA01-MW-15 (121709)	Aqueous	Barium	6010C	0.078		mg/L	43
008	HAA01-MW-15 (121709)	Aqueous	Chromium	6010C	0.0042	J	mg/L	43
009	COE-MW-4 (121709)	Aqueous	Acetone	8260B	14	J	ug/L	44
009	COE-MW-4 (121709)	Aqueous	Benzene	8260B	2.3		ug/L	44
009	COE-MW-4 (121709)	Aqueous	Carbon disulfide	8260B	0.28	J	ug/L	44
009	COE-MW-4 (121709)	Aqueous	trans-1,2-Dichloroethene	8260B	9.3		ug/L	44
009	COE-MW-4 (121709)	Aqueous	1,1-Dichloroethene	8260B	2.4		ug/L	44

Executive Summary (Continued)

Lot Number: KL18009

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
009	COE-MW-4 (121709)	Aqueous	cis-1,2-Dichloroethene	8260B	1400		ug/L	44
009	COE-MW-4 (121709)	Aqueous	2-Hexanone	8260B	2.5	J	ug/L	44
009	COE-MW-4 (121709)	Aqueous	Toluene	8260B	0.75	J	ug/L	44
009	COE-MW-4 (121709)	Aqueous	Trichloroethene	8260B	0.98	J	ug/L	45
009	COE-MW-4 (121709)	Aqueous	Vinyl chloride	8260B	86		ug/L	45
009	COE-MW-4 (121709)	Aqueous	Xylenes (total)	8260B	1.1		ug/L	45
009	COE-MW-4 (121709)	Aqueous	Barium	6010C	0.020	J	mg/L	48
009	COE-MW-4 (121709)	Aqueous	Chromium	6010C	0.0032	J	mg/L	48
009	COE-MW-4 (121709)	Aqueous	Selenium	6010C	0.0026	J	mg/L	48
009	COE-MW-4 (121709)	Aqueous	Silver	6010C	0.0026	J	mg/L	48
010	HMW-13 (121709)	Aqueous	Acetone	8260B	490		ug/L	49
010	HMW-13 (121709)	Aqueous	Benzene	8260B	56		ug/L	49
010	HMW-13 (121709)	Aqueous	Cyclohexane	8260B	130		ug/L	49
010	HMW-13 (121709)	Aqueous	Ethylbenzene	8260B	56		ug/L	49
010	HMW-13 (121709)	Aqueous	Isopropylbenzene	8260B	86		ug/L	49
010	HMW-13 (121709)	Aqueous	4-Methyl-2-pentanone	8260B	2.4	J	ug/L	49
010	HMW-13 (121709)	Aqueous	Methylcyclohexane	8260B	160		ug/L	49
010	HMW-13 (121709)	Aqueous	1,1,2,2-Tetrachloroethane	8260B	0.84		ug/L	49
010	HMW-13 (121709)	Aqueous	Toluene	8260B	0.48	J	ug/L	49
010	HMW-13 (121709)	Aqueous	Xylenes (total)	8260B	61		ug/L	50
010	HMW-13 (121709)	Aqueous	Benzo(b)fluoranthene	8270D	0.25	J	ug/L	51
010	HMW-13 (121709)	Aqueous	Benzo(g,h,i)perylene	8270D	0.78	J	ug/L	51
010	HMW-13 (121709)	Aqueous	Benzo(k)fluoranthene	8270D	0.12	J	ug/L	51
010	HMW-13 (121709)	Aqueous	Indeno(1,2,3-c,d)pyrene	8270D	0.43	J	ug/L	52
010	HMW-13 (121709)	Aqueous	2-Methylnaphthalene	8270D	22		ug/L	52
010	HMW-13 (121709)	Aqueous	3 & 4-Methylphenol	8270D	9.9		ug/L	52
010	HMW-13 (121709)	Aqueous	Naphthalene	8270D	100		ug/L	52
011	TB-02(121709)	Aqueous	Acetone	8260B	22		ug/L	53
012	HAA01-MW-10 (121709)	Aqueous	Acetone	8260B	4.6	J	ug/L	55
012	HAA01-MW-10 (121709)	Aqueous	Arsenic	6010C	0.0048	J	mg/L	60
012	HAA01-MW-10 (121709)	Aqueous	Barium	6010C	0.094		mg/L	60
012	HAA01-MW-10 (121709)	Aqueous	Chromium	6010C	0.0063		mg/L	60
012	HAA01-MW-10 (121709)	Aqueous	Silver	6010C	0.0017	J	mg/L	60
013	HMW21 (121709)	Aqueous	Acetone	8260B	7.7	J	ug/L	61
013	HMW21 (121709)	Aqueous	Benzene	8260B	0.98	J	ug/L	61
013	HMW21 (121709)	Aqueous	trans-1,2-Dichloroethene	8260B	3.5		ug/L	61
013	HMW21 (121709)	Aqueous	1,1-Dichloroethene	8260B	2.7		ug/L	61
013	HMW21 (121709)	Aqueous	cis-1,2-Dichloroethene	8260B	1200		ug/L	61
013	HMW21 (121709)	Aqueous	Endrin aldehyde	8081B	0.0045	J	ug/L	63
013	HMW21 (121709)	Aqueous	Barium	6010C	0.024	J	mg/L	65
014	TB-04 (121709)	Aqueous	Acetone	8260B	2.6	J	ug/L	66
015	HMW-4 (121709)	Aqueous	Acetone	8260B	2.4	J	ug/L	68
016	HAA01-MW-17 (121709)	Aqueous	Acetone	8260B	5.6	J	ug/L	70
017	HMW-24 (121709)	Aqueous	Acetone	8260B	9.4	J	ug/L	72
017	HMW-24 (121709)	Aqueous	Benzene	8260B	4.9		ug/L	72
017	HMW-24 (121709)	Aqueous	Ethylbenzene	8260B	2.1		ug/L	72
017	HMW-24 (121709)	Aqueous	2-Hexanone	8260B	5.1	J	ug/L	72
017	HMW-24 (121709)	Aqueous	Isopropylbenzene	8260B	3.1		ug/L	72

Executive Summary (Continued)

Lot Number: KL18009

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
017	HMW-24 (121709)	Aqueous	2-Methylnaphthalene	8270D	0.40	J	ug/L	75
017	HMW-24 (121709)	Aqueous	Naphthalene	8270D	3.2		ug/L	75
018	HMW-23 (121709)	Aqueous	4-Chloroaniline	8270D	25		ug/L	76
018	HMW-23 (121709)	Aqueous	2-Methylnaphthalene	8270D	9.7		ug/L	77
018	HMW-23 (121709)	Aqueous	Naphthalene	8270D	58		ug/L	77
019	HMW-6 (121709)	Aqueous	Acetone	8260B	1.8	J	ug/L	78
020	HAA01-MW-16 (121709)	Aqueous	Acetone	8260B	2.1	J	ug/L	82
020	HAA01-MW-16 (121709)	Aqueous	Barium	6010C	0.072		mg/L	88
021	TB-03 (121709)	Aqueous	Acetone	8260B	1.2	J	ug/L	89

(102 detections)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-001			
Description: COE-MW-06 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 0930							
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/29/2009 1958	RRH		24459		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	4.6	J	10	0.061	ug/L	1	
Benzene	71-43-2	8260B	0.24	J	0.50	0.027	ug/L	1	
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1	
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1	
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1	
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1	
Carbon disulfide	75-15-0	8260B	0.14	J	0.50	0.097	ug/L	1	
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1	
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1	
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1	
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1	
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1	
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1	
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1	
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1	
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1	
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1	
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1	
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1	
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1	
trans-1,2-Dichloroethene	156-60-5	8260B	0.60		0.50	0.079	ug/L	1	
1,1-Dichloroethene	75-35-4	8260B	0.76		0.50	0.094	ug/L	1	
cis-1,2-Dichloroethene	156-59-2	8260B	240		0.50	0.087	ug/L	1	
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1	
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1	
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1	
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1	
2-Hexanone	591-78-6	8260B	0.30	J	10	0.27	ug/L	1	
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1	
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1	
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1	
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1	
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1	
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1	
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1	
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1	
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1	
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1	
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1	
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1	
PQL = Practical quantitation limit ND = Not detected at or above the MDL Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" B = Detected in the method blank J = Estimated result < PQL and ≥ MDL E = Quantitation of compound exceeded the calibration range P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria H = Out of holding time									

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-001			
Description: COE-MW-06 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 0930							
Date Received: 12/18/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 1958	Analyst RRH	Prep Date	Batch 24459

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		94	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-001			
Description: COE-MW-06 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 0930							
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch				
1	3520C	8081B	1	01/01/2010 0020	NCM	12/23/2009 1413	24180				

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		0.025	0.0020	ug/L	1
alpha-BHC	319-84-6	8081B	ND		0.025	0.0030	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.025	0.019	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.025	0.0081	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.025	0.0051	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.025	0.0030	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.025	0.0030	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.025	0.0061	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.025	0.0061	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.025	0.0030	ug/L	1
Dieldrin	60-57-1	8081B	ND		0.025	0.0040	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.025	0.0061	ug/L	1
Endosulfan II	33213-65-9	8081B	ND		0.025	0.024	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.025	0.0030	ug/L	1
Endrin	72-20-8	8081B	ND		0.025	0.0051	ug/L	1
Endrin aldehyde	7421-93-4	8081B	ND		0.025	0.0030	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.025	0.0040	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.025	0.020	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.025	0.0030	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.10	0.014	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.25	0.030	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		72	49-124
Tetrachloro-m-xylene		76	58-122

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

CVAA

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18009-001

Description: COE-MW-06 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 0930

Date Received: 12/18/2009

Run 1	Prep Method	Analytical Method 7470A	Dilution 1	Analysis Date 12/21/2009 2254	Analyst BNW	Prep Date 12/21/2009 1535	Batch 24024

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND	0.00010	0.000053		mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 10 of 168

Level 1 Report v2.1

RCRA Metals

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18009-001

Description: COE-MW-06 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 0930

Date Received: 12/18/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/30/2009 0407	CDF	12/22/2009 1500	24099
2	3005A	6010C	1	12/31/2009 0205	KJC	12/22/2009 1500	24099

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.010	0.0040	mg/L	1
Barium	7440-39-3	6010C	0.036		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010C	0.0033	J	0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010C	ND		0.010	0.0019	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	0.0026	mg/L	2
Silver	7440-22-4	6010C	0.0014	J	0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 11 of 168

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-002			
Description: COE-MW-05 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1105							
Date Received: 12/18/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 1619	Analyst RRH	Prep Date	Batch 24459			
Parameter			CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone			67-64-1	8260B	ND		10	0.061	ug/L	1
Benzene			71-43-2	8260B	0.18	J	0.50	0.027	ug/L	1
Bromodichloromethane			75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform			75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)			74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)			78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide			75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride			56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene			108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane			75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform			67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)			74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane			110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)			96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane			124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)			106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene			541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene			95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene			106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane			75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane			75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane			107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene			156-60-5	8260B	0.29	J	0.50	0.079	ug/L	1
1,1-Dichloroethene			75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene			156-59-2	8260B	69		0.50	0.087	ug/L	1
1,2-Dichloropropane			78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene			10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene			10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene			100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone			591-78-6	8260B	1.2	J	10	0.27	ug/L	1
Isopropylbenzene			98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate			79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)			1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone			108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane			108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride			75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene			100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane			79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene			127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene			108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane			76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene			120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane			71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane			79-00-5	8260B	ND		0.50	0.031	ug/L	1
PQL = Practical quantitation limit			B = Detected in the method blank			E = Quantitation of compound exceeded the calibration range				
ND = Not detected at or above the MDL			J = Estimated result < PQL and ≥ MDL			P = The RPD between two GC columns exceeds 40%				
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"						N = Recovery is out of criteria		H = Out of holding time		

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-002			
Description: COE-MW-05 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1105							
Date Received: 12/18/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 1619	Analyst RRH	Prep Date	Batch 24459

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	0.75		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 13 of 168

Level 1 Report v2.1

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-002			
Description: COE-MW-05 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1105							
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch				
1	3520C	8081B	1	01/01/2010 0120	NCM	12/23/2009 1413	24180				

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		0.025	0.0020	ug/L	1
alpha-BHC	319-84-6	8081B	ND		0.025	0.0030	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.025	0.019	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.025	0.0081	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.025	0.0051	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.025	0.0030	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.025	0.0030	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.025	0.0061	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.025	0.0061	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.025	0.0030	ug/L	1
Dieldrin	60-57-1	8081B	ND		0.025	0.0040	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.025	0.0061	ug/L	1
Endosulfan II	33213-65-9	8081B	ND		0.025	0.024	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.025	0.0030	ug/L	1
Endrin	72-20-8	8081B	ND		0.025	0.0051	ug/L	1
Endrin aldehyde	7421-93-4	8081B	ND		0.025	0.0030	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.025	0.0040	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.025	0.020	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.025	0.0030	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.10	0.014	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.25	0.030	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		65	49-124
Tetrachloro-m-xylene		78	58-122

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

CVAA

Client: ARCADIS U.S., Inc.	Laboratory ID: KL18009-002
Description: COE-MW-05 (121709)	Matrix: Aqueous
Date Sampled: 12/17/2009 1105	
Date Received: 12/18/2009	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1		7470A	1	12/21/2009 2159	BNW	12/21/2009 1535	24024		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND	0.00010	0.000053		mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

RCRA Metals

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18009-002

Description: COE-MW-05 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 1105

Date Received: 12/18/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/30/2009 0413	CDF	12/22/2009 1500	24099
2	3005A	6010C	1	12/31/2009 0211	KJC	12/22/2009 1500	24099

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.010	0.0040	mg/L	1
Barium	7440-39-3	6010C	0.047		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010C	0.0033	J	0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010C	ND		0.010	0.0019	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	0.0026	mg/L	2
Silver	7440-22-4	6010C	0.0020	J	0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 16 of 168

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-003			
Description: HAA01-MW-11 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1220							
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/29/2009 1641	RRH		24459		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	8.2	J	10	0.061	ug/L	1	
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1	
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1	
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1	
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1	
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1	
Carbon disulfide	75-15-0	8260B	0.10	J	0.50	0.097	ug/L	1	
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1	
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1	
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1	
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1	
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1	
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1	
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1	
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1	
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1	
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1	
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1	
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1	
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1	
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1	
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1	
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1	
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1	
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1	
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1	
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1	
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1	
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1	
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1	
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1	
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1	
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1	
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1	
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1	
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1	
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1	
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1	
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1	
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1	
PQL = Practical quantitation limit ND = Not detected at or above the MDL Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" B = Detected in the method blank J = Estimated result < PQL and ≥ MDL E = Quantitation of compound exceeded the calibration range P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria H = Out of holding time									

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-003			
Description: HAA01-MW-11 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1220							
Date Received: 12/18/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 1641	Analyst RRH	Prep Date	Batch 24459

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 18 of 168

Level 1 Report v2.1

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-003			
Description: HAA01-MW-11 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1220							
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch				
1	3520C	8081B	1	01/01/2010 0139	NCM	12/23/2009 1413	24180				

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		0.025	0.0020	ug/L	1
alpha-BHC	319-84-6	8081B	ND		0.025	0.0030	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.025	0.019	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.025	0.0081	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.025	0.0051	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.025	0.0030	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.025	0.0030	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.025	0.0061	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.025	0.0061	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.025	0.0030	ug/L	1
Dieldrin	60-57-1	8081B	ND		0.025	0.0040	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.025	0.0061	ug/L	1
Endosulfan II	33213-65-9	8081B	ND		0.025	0.024	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.025	0.0030	ug/L	1
Endrin	72-20-8	8081B	ND		0.025	0.0051	ug/L	1
Endrin aldehyde	7421-93-4	8081B	ND		0.025	0.0030	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.025	0.0040	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.025	0.020	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.025	0.0030	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.10	0.014	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.25	0.030	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		60	49-124
Tetrachloro-m-xylene		78	58-122

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

CVAA

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18009-003

Description: HAA01-MW-11 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 1220

Date Received: 12/18/2009

Run 1	Prep Method	Analytical Method 7470A	Dilution 1	Analysis Date 12/21/2009 2204	Analyst BNW	Prep Date 12/21/2009 1535	Batch 24024

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	0.000059	J	0.00010	0.000053	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 20 of 168

Level 1 Report v2.1

RCRA Metals

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18009-003

Description: HAA01-MW-11 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 1220

Date Received: 12/18/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/30/2009 0419	CDF	12/22/2009 1500	24099
2	3005A	6010C	1	12/31/2009 0217	KJC	12/22/2009 1500	24099

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.010	0.0040	mg/L	1
Barium	7440-39-3	6010C	0.058		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010C	0.0073		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010C	ND		0.010	0.0019	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	0.0026	mg/L	2
Silver	7440-22-4	6010C	0.0018	J	0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 21 of 168

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-004			
Description: HAA01-MW-12 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1330							
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/29/2009 1703	RRH		24459		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	70		10	0.061	ug/L	1	
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1	
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1	
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1	
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1	
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1	
Carbon disulfide	75-15-0	8260B	0.15	J	0.50	0.097	ug/L	1	
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1	
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1	
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1	
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1	
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1	
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1	
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1	
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1	
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1	
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1	
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1	
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1	
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1	
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1	
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1	
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1	
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1	
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1	
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1	
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1	
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1	
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1	
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1	
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1	
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1	
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1	
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1	
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1	
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1	
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1	
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1	
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1	
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1	
PQL = Practical quantitation limit			B = Detected in the method blank			E = Quantitation of compound exceeded the calibration range			
ND = Not detected at or above the MDL			J = Estimated result < PQL and ≥ MDL			P = The RPD between two GC columns exceeds 40%			
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"						N = Recovery is out of criteria		H = Out of holding time	

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-004			
Description: HAA01-MW-12 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1330							
Date Received: 12/18/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 1703	Analyst RRH	Prep Date	Batch 24459

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 23 of 168

Level 1 Report v2.1

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-004			
Description: HAA01-MW-12 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1330							
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	01/01/2010 0159	NCM	12/23/2009 1413	24180
2	3520C	8081B	1	01/06/2010 2235	ASB	01/05/2010 2120	24707

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		0.027	0.0021	ug/L	1
alpha-BHC	319-84-6	8081B	ND		0.027	0.0032	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.027	0.020	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.027	0.0085	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.027	0.0053	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.027	0.0032	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.027	0.0032	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.027	0.0064	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.027	0.0064	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.027	0.0032	ug/L	1
Dieldrin	60-57-1	8081B	ND		0.027	0.0043	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.027	0.0064	ug/L	1
Endosulfan II	33213-65-9	8081B	ND		0.027	0.026	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.027	0.0032	ug/L	1
Endrin	72-20-8	8081B	ND		0.027	0.0053	ug/L	1
Endrin aldehyde	7421-93-4	8081B	ND		0.027	0.0032	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.027	0.0043	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.027	0.021	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.027	0.0032	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.11	0.015	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.27	0.032	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits		
Decachlorobiphenyl	N	39	49-124	HN	32	49-124		
Tetrachloro-m-xylene	N	53	58-122	H	72	58-122		

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-004			
Description: HAA01-MW-12 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1330							
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	01/01/2010 0159	NCM	12/23/2009 1413	24180
2	3520C	8081B	1	01/06/2010 2235	ASB	01/05/2010 2120	24707

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND	H	0.026	0.0021	ug/L	2
alpha-BHC	319-84-6	8081B	ND	H	0.026	0.0031	ug/L	2
beta-BHC	319-85-7	8081B	ND	H	0.026	0.020	ug/L	2
delta-BHC	319-86-8	8081B	ND	H	0.026	0.0082	ug/L	2
gamma-BHC (Lindane)	58-89-9	8081B	ND	H	0.026	0.0052	ug/L	2
alpha-Chlordane	5103-71-9	8081B	ND	H	0.026	0.0031	ug/L	2
gamma-Chlordane	5103-74-2	8081B	ND	H	0.026	0.0031	ug/L	2
4,4'-DDD	72-54-8	8081B	ND	H	0.026	0.0062	ug/L	2
4,4'-DDE	72-55-9	8081B	ND	H	0.026	0.0062	ug/L	2
4,4'-DDT	50-29-3	8081B	ND	H	0.026	0.0031	ug/L	2
Dieldrin	60-57-1	8081B	ND	H	0.026	0.0041	ug/L	2
Endosulfan I	959-98-8	8081B	ND	H	0.026	0.0062	ug/L	2
Endosulfan II	33213-65-9	8081B	ND	H	0.026	0.025	ug/L	2
Endosulfan sulfate	1031-07-8	8081B	ND	H	0.026	0.0031	ug/L	2
Endrin	72-20-8	8081B	ND	H	0.026	0.0052	ug/L	2
Endrin aldehyde	7421-93-4	8081B	ND	H	0.026	0.0031	ug/L	2
Endrin ketone	53494-70-5	8081B	ND	H	0.026	0.0041	ug/L	2
Heptachlor	76-44-8	8081B	ND	H	0.026	0.021	ug/L	2
Heptachlor epoxide	1024-57-3	8081B	ND	H	0.026	0.0031	ug/L	2
Methoxychlor	72-43-5	8081B	ND	H	0.10	0.014	ug/L	2
Toxaphene	8001-35-2	8081B	ND	H	0.26	0.031	ug/L	2
Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits		
Decachlorobiphenyl	N	39	49-124	HN	32	49-124		
Tetrachloro-m-xylene	N	53	58-122	H	72	58-122		

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

CVAA

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18009-004

Description: HAA01-MW-12 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 1330

Date Received: 12/18/2009

Run 1	Prep Method	Analytical Method 7470A	Dilution 1	Analysis Date 12/21/2009 2207	Analyst BNW	Prep Date 12/21/2009 1535	Batch 24024

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND	0.00010	0.000053		mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 26 of 168

Level 1 Report v2.1

RCRA Metals

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18009-004

Description: HAA01-MW-12 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 1330

Date Received: 12/18/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/30/2009 0425	CDF	12/22/2009 1500	24099
2	3005A	6010C	1	12/31/2009 0223	KJC	12/22/2009 1500	24099

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.010	0.0040	mg/L	1
Barium	7440-39-3	6010C	0.094		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010C	0.0029	J	0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010C	ND		0.010	0.0019	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	0.0026	mg/L	2
Silver	7440-22-4	6010C	ND		0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 27 of 168

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-005			
Description: HAA01-MW-12D (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1510							
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/29/2009 2328	RRH		24494		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	3.1	J	10	0.061	ug/L	1	
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1	
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1	
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1	
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1	
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1	
Carbon disulfide	75-15-0	8260B	0.45	J	0.50	0.097	ug/L	1	
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1	
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1	
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1	
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1	
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1	
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1	
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1	
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1	
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1	
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1	
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1	
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1	
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1	
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1	
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1	
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1	
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1	
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1	
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1	
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1	
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1	
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1	
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1	
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1	
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1	
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1	
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1	
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1	
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1	
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1	
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1	
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1	
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1	
PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" N = Recovery is out of criteria H = Out of holding time									

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-005			
Description: HAA01-MW-12D (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1510							
Date Received: 12/18/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 2328	Analyst RRH	Prep Date	Batch 24494

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-005			
Description: HAA01-MW-12D (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1510							
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch				
1	3520C	8081B	1	01/01/2010 0219	NCM	12/23/2009 1413	24180				

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		0.025	0.0020	ug/L	1
alpha-BHC	319-84-6	8081B	ND		0.025	0.0030	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.025	0.019	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.025	0.0081	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.025	0.0051	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.025	0.0030	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.025	0.0030	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.025	0.0061	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.025	0.0061	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.025	0.0030	ug/L	1
Dieldrin	60-57-1	8081B	ND		0.025	0.0040	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.025	0.0061	ug/L	1
Endosulfan II	33213-65-9	8081B	ND		0.025	0.024	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.025	0.0030	ug/L	1
Endrin	72-20-8	8081B	ND		0.025	0.0051	ug/L	1
Endrin aldehyde	7421-93-4	8081B	ND		0.025	0.0030	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.025	0.0040	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.025	0.020	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.025	0.0030	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.10	0.014	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.25	0.030	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl	N	45	49-124
Tetrachloro-m-xylene		76	58-122

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

CVAA

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18009-005

Description: HAA01-MW-12D (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 1510

Date Received: 12/18/2009

Run 1	Prep Method	Analytical Method 7470A	Dilution 1	Analysis Date 12/21/2009 2210	Analyst BNW	Prep Date 12/21/2009 1535	Batch 24024

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND	0.00010	0.000053		mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 31 of 168

Level 1 Report v2.1

RCRA Metals

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-005			
Description: HAA01-MW-12D (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1510							
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/30/2009 0431	CDF	12/22/2009 1500	24099
2	3005A	6010C	1	12/31/2009 0229	KJC	12/22/2009 1500	24099

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.010	0.0040	mg/L	1
Barium	7440-39-3	6010C	0.0094	J	0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010C	0.0024	J	0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010C	0.0028	J	0.010	0.0019	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	0.0026	mg/L	2
Silver	7440-22-4	6010C	0.0013	J	0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 32 of 168

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-006			
Description: TB1(121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 0800							
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/29/2009 2307	RRH		24494		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	2.1	J	10	0.061	ug/L	1	
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1	
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1	
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1	
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1	
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1	
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1	
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1	
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1	
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1	
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1	
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1	
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1	
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1	
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1	
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1	
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1	
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1	
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1	
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1	
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1	
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1	
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1	
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1	
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1	
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1	
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1	
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1	
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1	
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1	
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1	
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1	
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1	
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1	
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1	
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1	
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1	
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1	
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1	
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1	
PQL = Practical quantitation limit ND = Not detected at or above the MDL Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" B = Detected in the method blank J = Estimated result < PQL and ≥ MDL E = Quantitation of compound exceeded the calibration range P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria H = Out of holding time									

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-006			
Description: TB1(121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 0800							
Date Received: 12/18/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 2307	Analyst RRH	Prep Date	Batch 24494

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 34 of 168

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-007			
Description: HMW-10 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1046							
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/29/2009 2349	RRH		24494		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	3.2	J	10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	0.30	J	10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL	J = Estimated result < PQL and ≥ MDL	P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"		N = Recovery is out of criteria
		H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-007			
Description: HMW-10 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1046							
Date Received: 12/18/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 2349	Analyst RRH	Prep Date	Batch 24494

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		104	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		108	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 36 of 168

Level 1 Report v2.1

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18009-007

Description: HMW-10 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 1046

Date Received: 12/18/2009

Run 1	Prep Method 3520C	Analytical Method 8270D	Dilution 1	Analysis Date 01/05/2010 2318	Analyst MZ	Prep Date 12/24/2009 2015	Batch 24263		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acenaphthene	83-32-9	8270D	ND		1.0	0.091	ug/L	1	
Acenaphthylene	208-96-8	8270D	ND		1.0	0.16	ug/L	1	
Acetophenone	98-86-2	8270D	ND		1.0	0.32	ug/L	1	
Anthracene	120-12-7	8270D	ND		1.0	0.13	ug/L	1	
Atrazine	1912-24-9	8270D	ND		1.0	0.20	ug/L	1	
Benzaldehyde	100-52-7	8270D	ND		5.1	1.0	ug/L	1	
Benzo(a)anthracene	56-55-3	8270D	ND		1.0	0.15	ug/L	1	
Benzo(a)pyrene	50-32-8	8270D	ND		1.0	0.16	ug/L	1	
Benzo(b)fluoranthene	205-99-2	8270D	ND		1.0	0.20	ug/L	1	
Benzo(g,h,i)perylene	191-24-2	8270D	ND		1.0	0.23	ug/L	1	
Benzo(k)fluoranthene	207-08-9	8270D	ND		1.0	0.12	ug/L	1	
1,1'-Biphenyl	92-52-4	8270D	ND		1.0	0.20	ug/L	1	
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		1.0	0.12	ug/L	1	
Butyl benzyl phthalate	85-68-7	8270D	ND		5.1	1.7	ug/L	1	
Caprolactam	105-60-2	8270D	ND		5.1	1.2	ug/L	1	
Carbazole	86-74-8	8270D	ND		1.0	0.25	ug/L	1	
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		1.0	0.22	ug/L	1	
4-Chloroaniline	106-47-8	8270D	ND		1.0	0.13	ug/L	1	
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		1.0	0.13	ug/L	1	
bis(2-Chloroethyl)ether	111-44-4	8270D	ND		1.0	0.13	ug/L	1	
bis(2-Chloroisopropyl)ether	108-60-1	8270D	ND		1.0	0.081	ug/L	1	
2-Chloronaphthalene	91-58-7	8270D	ND		1.0	0.12	ug/L	1	
2-Chlorophenol	95-57-8	8270D	ND		1.0	0.13	ug/L	1	
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		1.0	0.11	ug/L	1	
Chrysene	218-01-9	8270D	ND		1.0	0.12	ug/L	1	
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		1.0	0.13	ug/L	1	
Dibenzofuran	132-64-9	8270D	ND		1.0	0.16	ug/L	1	
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		5.1	0.82	ug/L	1	
2,4-Dichlorophenol	120-83-2	8270D	ND		1.0	0.15	ug/L	1	
Diethylphthalate	84-66-2	8270D	ND		5.1	1.7	ug/L	1	
Dimethyl phthalate	131-11-3	8270D	ND		5.1	1.7	ug/L	1	
2,4-Dimethylphenol	105-67-9	8270D	ND		1.0	0.31	ug/L	1	
Di-n-butyl phthalate	84-74-2	8270D	ND		5.1	1.7	ug/L	1	
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		5.1	1.5	ug/L	1	
2,4-Dinitrophenol	51-28-5	8270D	ND		5.1	0.25	ug/L	1	
2,4-Dinitrotoluene	121-14-2	8270D	ND		2.0	0.45	ug/L	1	
2,6-Dinitrotoluene	606-20-2	8270D	ND		2.0	0.40	ug/L	1	
Di-n-octylphthalate	117-84-0	8270D	ND		5.1	1.7	ug/L	1	
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		5.1	1.7	ug/L	1	
Fluoranthene	206-44-0	8270D	ND		1.0	0.21	ug/L	1	
Fluorene	86-73-7	8270D	ND		1.0	0.10	ug/L	1	
Hexachlorobenzene	118-74-1	8270D	ND		1.0	0.21	ug/L	1	
Hexachlorobutadiene	87-68-3	8270D	ND		1.0	0.091	ug/L	1	
Hexachlorocyclopentadiene	77-47-4	8270D	ND		5.1	0.23	ug/L	1	
PQL = Practical quantitation limit ND = Not detected at or above the MDL Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"									
B = Detected in the method blank J = Estimated result < PQL and ≥ MDL									
E = Quantitation of compound exceeded the calibration range P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria									
H = Out of holding time									

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 37 of 168

Level 1 Report v2.1

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18009-007

Description: HMW-10 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 1046

Date Received: 12/18/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	3520C	8270D	1	01/05/2010 2318	MZ	12/24/2009 2015	24263		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Hexachloroethane	67-72-1	8270D	ND		1.0	0.11	ug/L	1	
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		1.0	0.23	ug/L	1	
Isophorone	78-59-1	8270D	ND		1.0	0.081	ug/L	1	
2-Methylnaphthalene	91-57-6	8270D	ND		1.0	0.081	ug/L	1	
2-Methylphenol	95-48-7	8270D	ND		1.0	0.17	ug/L	1	
3 & 4-Methylphenol	106-44-5	8270D	ND		2.0	0.58	ug/L	1	
Naphthalene	91-20-3	8270D	ND		1.0	0.071	ug/L	1	
2-Nitroaniline	88-74-4	8270D	ND		2.0	0.56	ug/L	1	
3-Nitroaniline	99-09-2	8270D	ND		2.0	0.78	ug/L	1	
4-Nitroaniline	100-01-6	8270D	ND		2.0	0.39	ug/L	1	
Nitrobenzene	98-95-3	8270D	ND		1.0	0.10	ug/L	1	
2-Nitrophenol	88-75-5	8270D	ND		2.0	0.27	ug/L	1	
4-Nitrophenol	100-02-7	8270D	ND		5.1	0.65	ug/L	1	
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		1.0	0.081	ug/L	1	
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		1.0	0.38	ug/L	1	
Pentachlorophenol	87-86-5	8270D	ND		5.1	0.55	ug/L	1	
Phenanthrene	85-01-8	8270D	ND		1.0	0.18	ug/L	1	
Phenol	108-95-2	8270D	ND		1.0	0.11	ug/L	1	
Pyrene	129-00-0	8270D	ND		1.0	0.16	ug/L	1	
2,4,5-Trichlorophenol	95-95-4	8270D	ND		1.0	0.18	ug/L	1	
2,4,6-Trichlorophenol	88-06-2	8270D	ND		1.0	0.22	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
2-Fluorobiphenyl		62	37-129						
2-Fluorophenol		62	24-127						
Nitrobenzene-d5		71	38-127						
Phenol-d5		65	28-128						
Terphenyl-d14		55	10-148						
2,4,6-Tribromophenol		74	41-144						

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-008			
Description: HAA01-MW-15 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1225							
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/30/2009 0010	RRH		24494		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	4.7	J	10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL	J = Estimated result < PQL and ≥ MDL	P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"		N = Recovery is out of criteria
		H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-008			
Description: HAA01-MW-15 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1225							
Date Received: 12/18/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/30/2009 0010	Analyst RRH	Prep Date	Batch 24494

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		107	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 40 of 168

Level 1 Report v2.1

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-008			
Description: HAA01-MW-15 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1225							
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch				
1	3520C	8081B	1	01/01/2010 0239	NCM	12/23/2009 1413	24180				

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		0.027	0.0022	ug/L	1
alpha-BHC	319-84-6	8081B	ND		0.027	0.0032	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.027	0.020	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.027	0.0086	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.027	0.0054	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.027	0.0032	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.027	0.0032	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.027	0.0065	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.027	0.0065	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.027	0.0032	ug/L	1
Dieldrin	60-57-1	8081B	ND		0.027	0.0043	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.027	0.0065	ug/L	1
Endosulfan II	33213-65-9	8081B	ND		0.027	0.026	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.027	0.0032	ug/L	1
Endrin	72-20-8	8081B	ND		0.027	0.0054	ug/L	1
Endrin aldehyde	7421-93-4	8081B	ND		0.027	0.0032	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.027	0.0043	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.027	0.022	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.027	0.0032	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.11	0.015	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.27	0.032	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl	N	39	49-124
Tetrachloro-m-xylene		59	58-122

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

CVAA

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18009-008

Description: HAA01-MW-15 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 1225

Date Received: 12/18/2009

Run 1	Prep Method	Analytical Method 7470A	Dilution 1	Analysis Date 12/21/2009 2212	Analyst BNW	Prep Date 12/21/2009 1535	Batch 24024

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND	0.00010	0.000053		mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 42 of 168

Level 1 Report v2.1

RCRA Metals

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18009-008

Description: HAA01-MW-15 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 1225

Date Received: 12/18/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/30/2009 0437	CDF	12/22/2009 1500	24099
2	3005A	6010C	1	12/31/2009 0235	KJC	12/22/2009 1500	24099

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.010	0.0040	mg/L	1
Barium	7440-39-3	6010C	0.078		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010C	0.0042	J	0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010C	ND		0.010	0.0019	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	0.0026	mg/L	2
Silver	7440-22-4	6010C	ND		0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 43 of 168

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-009			
Description: COE-MW-4 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1355							
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	2	12/30/2009 0650	RRH		24460
2	5030B	8260B	5	12/30/2009 1505	RRH		24546

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	14	J	20	0.12	ug/L	1
Benzene	71-43-2	8260B	2.3		1.0	0.054	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.34	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.020	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1.0	0.41	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		20	4.1	ug/L	1
Carbon disulfide	75-15-0	8260B	0.28	J	1.0	0.19	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.17	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.34	ug/L	1
Chloroethane	75-00-3	8260B	ND		1.0	0.34	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.34	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Cyclohexane	110-82-7	8260B	ND		1.0	0.60	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.14	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.34	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.12	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.34	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.34	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.34	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		1.0	0.14	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.11	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.047	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	9.3		1.0	0.16	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	2.4		1.0	0.19	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	1400		2.5	0.44	ug/L	2
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.16	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.36	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.18	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.34	ug/L	1
2-Hexanone	591-78-6	8260B	2.5	J	20	0.55	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		1.0	0.058	ug/L	1
Methyl acetate	79-20-9	8260B	ND		2.0	0.60	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.038	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		20	0.62	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		10	1.9	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.34	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.030	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.026	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.029	ug/L	1
Toluene	108-88-3	8260B	0.75	J	1.0	0.34	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		1.0	0.60	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.34	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.058	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-009			
Description: COE-MW-4 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1355							
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	2	12/30/2009 0650	RRH		24460
2	5030B	8260B	5	12/30/2009 1505	RRH		24546

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.062	ug/L	1
Trichloroethene	79-01-6	8260B	0.98	J	1.0	0.049	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.10	ug/L	1
Vinyl chloride	75-01-4	8260B	86		1.0	0.13	ug/L	1
Xylenes (total)	1330-20-7	8260B	1.1		1.0	0.34	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130		92	70-130
Bromofluorobenzene		91	70-130		88	70-130
Toluene-d8		99	70-130		98	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 45 of 168

Level 1 Report v2.1

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-009			
Description: COE-MW-4 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1355							
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch				
1	3520C	8081B	1	01/01/2010 0258	NCM	12/23/2009 1413	24180				

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		0.028	0.0022	ug/L	1
alpha-BHC	319-84-6	8081B	ND		0.028	0.0033	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.028	0.021	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.028	0.0089	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.028	0.0056	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.028	0.0033	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.028	0.0033	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.028	0.0067	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.028	0.0067	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.028	0.0033	ug/L	1
Dieldrin	60-57-1	8081B	ND		0.028	0.0044	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.028	0.0067	ug/L	1
Endosulfan II	33213-65-9	8081B	ND		0.028	0.027	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.028	0.0033	ug/L	1
Endrin	72-20-8	8081B	ND		0.028	0.0056	ug/L	1
Endrin aldehyde	7421-93-4	8081B	ND		0.028	0.0033	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.028	0.0044	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.028	0.022	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.028	0.0033	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.11	0.016	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.28	0.033	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		74	49-124
Tetrachloro-m-xylene		84	58-122

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

CVAA

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18009-009

Description: COE-MW-4 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 1355

Date Received: 12/18/2009

Run 1	Prep Method	Analytical Method 7470A	Dilution 1	Analysis Date 12/21/2009 2215	Analyst BNW	Prep Date 12/21/2009 1535	Batch 24024

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 47 of 168

Level 1 Report v2.1

RCRA Metals

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-009			
Description: COE-MW-4 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1355							
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch				
1	3005A	6010C	1	12/30/2009 0454	CDF	12/22/2009 1500	24099				
Parameter		CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run		
Arsenic		7440-38-2	6010C	ND		0.010	0.0040	mg/L	1		
Barium		7440-39-3	6010C	0.020	J	0.025	0.0075	mg/L	1		
Cadmium		7440-43-9	6010C	ND		0.0020	0.00060	mg/L	1		
Chromium		7440-47-3	6010C	0.0032	J	0.0050	0.0021	mg/L	1		
Lead		7439-92-1	6010C	ND		0.010	0.0019	mg/L	1		
Selenium		7782-49-2	6010C	0.0026	J	0.010	0.0026	mg/L	1		
Silver		7440-22-4	6010C	0.0026	J	0.0050	0.00040	mg/L	1		

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 48 of 168

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-010			
Description: HMW-13 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1521							
Date Received: 12/18/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/30/2009 0031	Analyst RRH	Prep Date	Batch 24494			
Parameter			CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone			67-64-1	8260B	490		10	0.061	ug/L	1
Benzene			71-43-2	8260B	56		0.50	0.027	ug/L	1
Bromodichloromethane			75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform			75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)			74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)			78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide			75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride			56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene			108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane			75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform			67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)			74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane			110-82-7	8260B	130		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)			96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane			124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)			106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene			541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene			95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene			106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane			75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane			75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane			107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene			156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene			75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene			156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane			78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene			10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene			10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene			100-41-4	8260B	56		0.50	0.17	ug/L	1
2-Hexanone			591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene			98-82-8	8260B	86		0.50	0.029	ug/L	1
Methyl acetate			79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)			1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone			108-10-1	8260B	2.4	J	10	0.31	ug/L	1
Methylcyclohexane			108-87-2	8260B	160		5.0	0.95	ug/L	1
Methylene chloride			75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene			100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane			79-34-5	8260B	0.84		0.50	0.013	ug/L	1
Tetrachloroethene			127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene			108-88-3	8260B	0.48	J	0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane			76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene			120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane			71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane			79-00-5	8260B	ND		0.50	0.031	ug/L	1
PQL = Practical quantitation limit			B = Detected in the method blank			E = Quantitation of compound exceeded the calibration range				
ND = Not detected at or above the MDL			J = Estimated result < PQL and ≥ MDL			P = The RPD between two GC columns exceeds 40%				
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"						N = Recovery is out of criteria		H = Out of holding time		

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-010			
Description: HMW-13 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1521							
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/30/2009 0031	RRH		24494

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	61		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		107	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 50 of 168

Level 1 Report v2.1

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18009-010

Description: HMW-13 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 1521

Date Received: 12/18/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	01/06/2010 0018	MZ	12/24/2009 2015	24263
2	3520C	8270D	4	01/11/2010 1655	GLR	12/24/2009 2015	24263

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		1.0	0.091	ug/L	1
Acenaphthylene	208-96-8	8270D	ND		1.0	0.16	ug/L	1
Acetophenone	98-86-2	8270D	ND		1.0	0.32	ug/L	1
Anthracene	120-12-7	8270D	ND		1.0	0.13	ug/L	1
Atrazine	1912-24-9	8270D	ND		1.0	0.20	ug/L	1
Benzaldehyde	100-52-7	8270D	ND		5.1	1.0	ug/L	1
Benzo(a)anthracene	56-55-3	8270D	ND		1.0	0.15	ug/L	1
Benzo(a)pyrene	50-32-8	8270D	ND		1.0	0.16	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	0.25	J	1.0	0.20	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270D	0.78	J	1.0	0.23	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	0.12	J	1.0	0.12	ug/L	1
1,1'-Biphenyl	92-52-4	8270D	ND		1.0	0.20	ug/L	1
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		1.0	0.12	ug/L	1
Butyl benzyl phthalate	85-68-7	8270D	ND		5.1	1.7	ug/L	1
Caprolactam	105-60-2	8270D	ND		5.1	1.2	ug/L	1
Carbazole	86-74-8	8270D	ND		1.0	0.25	ug/L	1
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		1.0	0.22	ug/L	1
4-Chloroaniline	106-47-8	8270D	ND		1.0	0.13	ug/L	1
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		1.0	0.13	ug/L	1
bis(2-Chloroethyl)ether	111-44-4	8270D	ND		1.0	0.13	ug/L	1
bis(2-Chloroisopropyl)ether	108-60-1	8270D	ND		1.0	0.081	ug/L	1
2-Chloronaphthalene	91-58-7	8270D	ND		1.0	0.12	ug/L	1
2-Chlorophenol	95-57-8	8270D	ND		1.0	0.13	ug/L	1
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		1.0	0.11	ug/L	1
Chrysene	218-01-9	8270D	ND		1.0	0.12	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		1.0	0.13	ug/L	1
Dibenzofuran	132-64-9	8270D	ND		1.0	0.16	ug/L	1
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		5.1	0.82	ug/L	1
2,4-Dichlorophenol	120-83-2	8270D	ND		1.0	0.15	ug/L	1
Diethylphthalate	84-66-2	8270D	ND		5.1	1.7	ug/L	1
Dimethyl phthalate	131-11-3	8270D	ND		5.1	1.7	ug/L	1
2,4-Dimethylphenol	105-67-9	8270D	ND		1.0	0.31	ug/L	1
Di-n-butyl phthalate	84-74-2	8270D	ND		5.1	1.7	ug/L	1
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		5.1	1.5	ug/L	1
2,4-Dinitrophenol	51-28-5	8270D	ND		5.1	0.25	ug/L	1
2,4-Dinitrotoluene	121-14-2	8270D	ND		2.0	0.45	ug/L	1
2,6-Dinitrotoluene	606-20-2	8270D	ND		2.0	0.40	ug/L	1
Di-n-octylphthalate	117-84-0	8270D	ND		5.1	1.7	ug/L	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		5.1	1.7	ug/L	1
Fluoranthene	206-44-0	8270D	ND		1.0	0.21	ug/L	1
Fluorene	86-73-7	8270D	ND		1.0	0.10	ug/L	1
Hexachlorobenzene	118-74-1	8270D	ND		1.0	0.21	ug/L	1
Hexachlorobutadiene	87-68-3	8270D	ND		1.0	0.091	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 51 of 168

Level 1 Report v2.1

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18009-010

Description: HMW-13 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 1521

Date Received: 12/18/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	01/06/2010 0018	MZ	12/24/2009 2015	24263
2	3520C	8270D	4	01/11/2010 1655	GLR	12/24/2009 2015	24263

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Hexachlorocyclopentadiene	77-47-4	8270D	ND		5.1	0.23	ug/L	1
Hexachloroethane	67-72-1	8270D	ND		1.0	0.11	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	0.43	J	1.0	0.23	ug/L	1
Isophorone	78-59-1	8270D	ND		1.0	0.081	ug/L	1
2-Methylnaphthalene	91-57-6	8270D	22		1.0	0.081	ug/L	1
2-Methylphenol	95-48-7	8270D	ND		1.0	0.17	ug/L	1
3 & 4-Methylphenol	106-44-5	8270D	9.9		2.0	0.58	ug/L	1
Naphthalene	91-20-3	8270D	100		4.0	0.28	ug/L	2
2-Nitroaniline	88-74-4	8270D	ND		2.0	0.56	ug/L	1
3-Nitroaniline	99-09-2	8270D	ND		2.0	0.78	ug/L	1
4-Nitroaniline	100-01-6	8270D	ND		2.0	0.39	ug/L	1
Nitrobenzene	98-95-3	8270D	ND		1.0	0.10	ug/L	1
2-Nitrophenol	88-75-5	8270D	ND		2.0	0.27	ug/L	1
4-Nitrophenol	100-02-7	8270D	ND		5.1	0.65	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		1.0	0.081	ug/L	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		1.0	0.38	ug/L	1
Pentachlorophenol	87-86-5	8270D	ND		5.1	0.55	ug/L	1
Phenanthrene	85-01-8	8270D	ND		1.0	0.18	ug/L	1
Phenol	108-95-2	8270D	ND		1.0	0.11	ug/L	1
Pyrene	129-00-0	8270D	ND		1.0	0.16	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		1.0	0.18	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		1.0	0.22	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
2-Fluorobiphenyl		63	37-129		58	37-129
2-Fluorophenol		51	24-127		54	24-127
Nitrobenzene-d5		63	38-127		60	38-127
Phenol-d5		61	28-128		57	28-128
Terphenyl-d14		34	10-148		40	10-148
2,4,6-Tribromophenol		100	41-144		79	41-144

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 52 of 168

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-011			
Description: TB-02(121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1000							
Date Received: 12/18/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/30/2009 0052	Analyst RRH	Prep Date	Batch 24494			
Parameter			CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone			67-64-1	8260B	22		10	0.061	ug/L	1
Benzene			71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane			75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform			75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)			74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)			78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide			75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride			56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene			108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane			75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform			67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)			74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane			110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)			96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane			124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)			106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene			541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene			95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene			106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane			75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane			75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane			107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene			156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene			75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene			156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane			78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene			10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene			10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene			100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone			591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene			98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate			79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)			1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone			108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane			108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride			75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene			100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane			79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene			127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene			108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane			76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene			120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane			71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane			79-00-5	8260B	ND		0.50	0.031	ug/L	1
PQL = Practical quantitation limit			B = Detected in the method blank			E = Quantitation of compound exceeded the calibration range				
ND = Not detected at or above the MDL			J = Estimated result < PQL and ≥ MDL			P = The RPD between two GC columns exceeds 40%				
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"						N = Recovery is out of criteria		H = Out of holding time		

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-011			
Description: TB-02(121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1000							
Date Received: 12/18/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/30/2009 0052	Analyst RRH	Prep Date	Batch 24494

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		104	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		107	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 54 of 168

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-012			
Description: HAA01-MW-10 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1650							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/30/2009 0504	RRH		25716		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	4.6	J	10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL	J = Estimated result < PQL and ≥ MDL	P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"		N = Recovery is out of criteria
		H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-012			
Description: HAA01-MW-10 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1650							
Date Received: 01/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/30/2009 0504	Analyst RRH	Prep Date	Batch 25716

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 56 of 168

Level 1 Report v2.1

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18009-012

Description: HAA01-MW-10 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 1650

Date Received: 01/18/2010

Run 1	Prep Method 3520C	Analytical Method 8270D	Dilution 1	Analysis Date 01/05/2010 2159	Analyst MZ	Prep Date 12/24/2009 2015	Batch 25714		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acenaphthene	83-32-9	8270D	ND		1.0	0.091	ug/L	1	
Acenaphthylene	208-96-8	8270D	ND		1.0	0.16	ug/L	1	
Acetophenone	98-86-2	8270D	ND		1.0	0.32	ug/L	1	
Anthracene	120-12-7	8270D	ND		1.0	0.13	ug/L	1	
Atrazine	1912-24-9	8270D	ND		1.0	0.20	ug/L	1	
Benzaldehyde	100-52-7	8270D	ND		5.1	1.0	ug/L	1	
Benzo(a)anthracene	56-55-3	8270D	ND		1.0	0.15	ug/L	1	
Benzo(a)pyrene	50-32-8	8270D	ND		1.0	0.16	ug/L	1	
Benzo(b)fluoranthene	205-99-2	8270D	ND		1.0	0.20	ug/L	1	
Benzo(g,h,i)perylene	191-24-2	8270D	ND		1.0	0.23	ug/L	1	
Benzo(k)fluoranthene	207-08-9	8270D	ND		1.0	0.12	ug/L	1	
1,1'-Biphenyl	92-52-4	8270D	ND		1.0	0.20	ug/L	1	
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		1.0	0.12	ug/L	1	
Butyl benzyl phthalate	85-68-7	8270D	ND		5.1	1.7	ug/L	1	
Caprolactam	105-60-2	8270D	ND		5.1	1.2	ug/L	1	
Carbazole	86-74-8	8270D	ND		1.0	0.25	ug/L	1	
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		1.0	0.22	ug/L	1	
4-Chloroaniline	106-47-8	8270D	ND		1.0	0.13	ug/L	1	
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		1.0	0.13	ug/L	1	
bis(2-Chloroethyl)ether	111-44-4	8270D	ND		1.0	0.13	ug/L	1	
bis(2-Chloroisopropyl)ether	108-60-1	8270D	ND		1.0	0.081	ug/L	1	
2-Chloronaphthalene	91-58-7	8270D	ND		1.0	0.12	ug/L	1	
2-Chlorophenol	95-57-8	8270D	ND		1.0	0.13	ug/L	1	
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		1.0	0.11	ug/L	1	
Chrysene	218-01-9	8270D	ND		1.0	0.12	ug/L	1	
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		1.0	0.13	ug/L	1	
Dibenzofuran	132-64-9	8270D	ND		1.0	0.16	ug/L	1	
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		5.1	0.82	ug/L	1	
2,4-Dichlorophenol	120-83-2	8270D	ND		1.0	0.15	ug/L	1	
Diethylphthalate	84-66-2	8270D	ND		5.1	1.7	ug/L	1	
Dimethyl phthalate	131-11-3	8270D	ND		5.1	1.7	ug/L	1	
2,4-Dimethylphenol	105-67-9	8270D	ND		1.0	0.31	ug/L	1	
Di-n-butyl phthalate	84-74-2	8270D	ND		5.1	1.7	ug/L	1	
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		5.1	1.5	ug/L	1	
2,4-Dinitrophenol	51-28-5	8270D	ND		5.1	0.25	ug/L	1	
2,4-Dinitrotoluene	121-14-2	8270D	ND		2.0	0.45	ug/L	1	
2,6-Dinitrotoluene	606-20-2	8270D	ND		2.0	0.40	ug/L	1	
Di-n-octylphthalate	117-84-0	8270D	ND		5.1	1.7	ug/L	1	
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		5.1	1.7	ug/L	1	
Fluoranthene	206-44-0	8270D	ND		1.0	0.21	ug/L	1	
Fluorene	86-73-7	8270D	ND		1.0	0.10	ug/L	1	
Hexachlorobenzene	118-74-1	8270D	ND		1.0	0.21	ug/L	1	
Hexachlorobutadiene	87-68-3	8270D	ND		1.0	0.091	ug/L	1	
Hexachlorocyclopentadiene	77-47-4	8270D	ND		5.1	0.23	ug/L	1	
PQL = Practical quantitation limit ND = Not detected at or above the MDL Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"									
B = Detected in the method blank J = Estimated result < PQL and ≥ MDL									
E = Quantitation of compound exceeded the calibration range P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria H = Out of holding time									

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18009-012

Description: HAA01-MW-10 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 1650

Date Received: 01/18/2010

Run 1	Prep Method 3520C	Analytical Method 8270D	Dilution 1	Analysis Date 01/05/2010 2159	Analyst MZ	Prep Date 12/24/2009 2015	Batch 25714		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Hexachloroethane	67-72-1	8270D	ND		1.0	0.11	ug/L	1	
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		1.0	0.23	ug/L	1	
Isophorone	78-59-1	8270D	ND		1.0	0.081	ug/L	1	
2-Methylnaphthalene	91-57-6	8270D	ND		1.0	0.081	ug/L	1	
2-Methylphenol	95-48-7	8270D	ND		1.0	0.17	ug/L	1	
3 & 4-Methylphenol	106-44-5	8270D	ND		2.0	0.58	ug/L	1	
Naphthalene	91-20-3	8270D	ND		1.0	0.071	ug/L	1	
2-Nitroaniline	88-74-4	8270D	ND		2.0	0.56	ug/L	1	
3-Nitroaniline	99-09-2	8270D	ND		2.0	0.78	ug/L	1	
4-Nitroaniline	100-01-6	8270D	ND		2.0	0.39	ug/L	1	
Nitrobenzene	98-95-3	8270D	ND		1.0	0.10	ug/L	1	
2-Nitrophenol	88-75-5	8270D	ND		2.0	0.27	ug/L	1	
4-Nitrophenol	100-02-7	8270D	ND		5.1	0.65	ug/L	1	
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		1.0	0.081	ug/L	1	
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		1.0	0.38	ug/L	1	
Pentachlorophenol	87-86-5	8270D	ND		5.1	0.55	ug/L	1	
Phenanthrene	85-01-8	8270D	ND		1.0	0.18	ug/L	1	
Phenol	108-95-2	8270D	ND		1.0	0.11	ug/L	1	
Pyrene	129-00-0	8270D	ND		1.0	0.16	ug/L	1	
2,4,5-Trichlorophenol	95-95-4	8270D	ND		1.0	0.18	ug/L	1	
2,4,6-Trichlorophenol	88-06-2	8270D	ND		1.0	0.22	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
2-Fluorobiphenyl		58	37-129						
2-Fluorophenol		57	24-127						
Nitrobenzene-d5		63	38-127						
Phenol-d5		52	28-128						
Terphenyl-d14		36	10-148						
2,4,6-Tribromophenol		58	41-144						

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 58 of 168

Level 1 Report v2.1

CVAA

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-012			
Description: HAA01-MW-10 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1650							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch			
1		7470A	1	12/21/2009 2218	BNW	12/21/2009 1535	25709			

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND	0.00010	0.000053		mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 59 of 168

Level 1 Report v2.1

RCRA Metals

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-012			
Description: HAA01-MW-10 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1650							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	3005A	6010C	1	12/30/2009 0500	CDF	12/22/2009 1500	25712		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	0.0048	J	0.010	0.0040	mg/L	1
Barium	7440-39-3	6010C	0.094		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010C	0.0063		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010C	ND		0.010	0.0019	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	0.0026	mg/L	1
Silver	7440-22-4	6010C	0.0017	J	0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-013			
Description: HMW21 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1655							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	4	12/30/2009 0711	RRH		25722		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	7.7	J	40	0.24	ug/L	1	
Benzene	71-43-2	8260B	0.98	J	2.0	0.11	ug/L	1	
Bromodichloromethane	75-27-4	8260B	ND		2.0	0.68	ug/L	1	
Bromoform	75-25-2	8260B	ND		2.0	0.041	ug/L	1	
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1	
2-Butanone (MEK)	78-93-3	8260B	ND		40	8.1	ug/L	1	
Carbon disulfide	75-15-0	8260B	ND		2.0	0.39	ug/L	1	
Carbon tetrachloride	56-23-5	8260B	ND		2.0	0.34	ug/L	1	
Chlorobenzene	108-90-7	8260B	ND		2.0	0.68	ug/L	1	
Chloroethane	75-00-3	8260B	ND		2.0	0.68	ug/L	1	
Chloroform	67-66-3	8260B	ND		2.0	0.68	ug/L	1	
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.0	0.70	ug/L	1	
Cyclohexane	110-82-7	8260B	ND		2.0	1.2	ug/L	1	
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2.0	0.28	ug/L	1	
Dibromochloromethane	124-48-1	8260B	ND		2.0	0.68	ug/L	1	
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2.0	0.24	ug/L	1	
1,3-Dichlorobenzene	541-73-1	8260B	ND		2.0	0.68	ug/L	1	
1,2-Dichlorobenzene	95-50-1	8260B	ND		2.0	0.68	ug/L	1	
1,4-Dichlorobenzene	106-46-7	8260B	ND		2.0	0.68	ug/L	1	
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	0.28	ug/L	1	
1,1-Dichloroethane	75-34-3	8260B	ND		2.0	0.21	ug/L	1	
1,2-Dichloroethane	107-06-2	8260B	ND		2.0	0.093	ug/L	1	
trans-1,2-Dichloroethene	156-60-5	8260B	3.5		2.0	0.32	ug/L	1	
1,1-Dichloroethene	75-35-4	8260B	2.7		2.0	0.38	ug/L	1	
cis-1,2-Dichloroethene	156-59-2	8260B	1200		2.0	0.35	ug/L	1	
1,2-Dichloropropane	78-87-5	8260B	ND		2.0	0.32	ug/L	1	
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2.0	0.72	ug/L	1	
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2.0	0.36	ug/L	1	
Ethylbenzene	100-41-4	8260B	ND		2.0	0.68	ug/L	1	
2-Hexanone	591-78-6	8260B	ND		40	1.1	ug/L	1	
Isopropylbenzene	98-82-8	8260B	ND		2.0	0.12	ug/L	1	
Methyl acetate	79-20-9	8260B	ND		4.0	1.2	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2.0	0.076	ug/L	1	
4-Methyl-2-pentanone	108-10-1	8260B	ND		40	1.2	ug/L	1	
Methylcyclohexane	108-87-2	8260B	ND		20	3.8	ug/L	1	
Methylene chloride	75-09-2	8260B	ND		2.0	0.68	ug/L	1	
Styrene	100-42-5	8260B	ND		2.0	0.060	ug/L	1	
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2.0	0.052	ug/L	1	
Tetrachloroethene	127-18-4	8260B	ND		2.0	0.057	ug/L	1	
Toluene	108-88-3	8260B	ND		2.0	0.68	ug/L	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2.0	1.2	ug/L	1	
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2.0	0.68	ug/L	1	
1,1,1-Trichloroethane	71-55-6	8260B	ND		2.0	0.12	ug/L	1	
1,1,2-Trichloroethane	79-00-5	8260B	ND		2.0	0.12	ug/L	1	
PQL = Practical quantitation limit ND = Not detected at or above the MDL Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" B = Detected in the method blank J = Estimated result < PQL and ≥ MDL E = Quantitation of compound exceeded the calibration range P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria H = Out of holding time									

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-013			
Description: HMW21 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1655							
Date Received: 01/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 4	Analysis Date 12/30/2009 0711	Analyst RRH	Prep Date	Batch 25722

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		2.0	0.098	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		2.0	0.20	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.26	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		2.0	0.68	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 62 of 168

Level 1 Report v2.1

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-013			
Description: HMW21 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1655							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	01/01/2010 0318	NCM	12/23/2009 1413	25708

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		0.025	0.0020	ug/L	1
alpha-BHC	319-84-6	8081B	ND		0.025	0.0030	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.025	0.019	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.025	0.0081	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.025	0.0051	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.025	0.0030	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.025	0.0030	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.025	0.0061	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.025	0.0061	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.025	0.0030	ug/L	1
Dieldrin	60-57-1	8081B	ND		0.025	0.0040	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.025	0.0061	ug/L	1
Endosulfan II	33213-65-9	8081B	ND		0.025	0.024	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.025	0.0030	ug/L	1
Endrin	72-20-8	8081B	ND		0.025	0.0051	ug/L	1
Endrin aldehyde	7421-93-4	8081B	0.0045	J	0.025	0.0030	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.025	0.0040	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.025	0.020	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.025	0.0030	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.10	0.014	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.25	0.030	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		63	49-124
Tetrachloro-m-xylene		82	58-122

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

CVAA

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-013			
Description: HMW21 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1655							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch			
1		7470A	1	12/23/2009 1950	BNW	12/23/2009 1600	25710			

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND	0.00010	0.000053		mg/L	1

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank

J = Estimated result < PQL and $\geq$ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

H = Out of holding time

RCRA Metals

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18009-013

Description: HMW21 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 1655

Date Received: 01/18/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/30/2009 2154	KJC	12/23/2009 1800	25713
2	3005A	6010C	1	12/31/2009 0322	KJC	12/23/2009 1800	25713
3	3005A	6010C	1	12/31/2009 2021	CDF	12/23/2009 1800	25713

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.010	0.0040	mg/L	1
Barium	7440-39-3	6010C	0.024	J	0.025	0.0075	mg/L	2
Cadmium	7440-43-9	6010C	ND		0.0020	0.00060	mg/L	2
Chromium	7440-47-3	6010C	ND		0.0050	0.0021	mg/L	3
Lead	7439-92-1	6010C	ND		0.010	0.0019	mg/L	2
Selenium	7782-49-2	6010C	ND		0.010	0.0026	mg/L	2
Silver	7440-22-4	6010C	ND		0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-014			
Description: TB-04 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1600							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/30/2009 0113	RRH		25716		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	2.6	J	10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL	J = Estimated result < PQL and ≥ MDL	P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"		N = Recovery is out of criteria
		H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-014			
Description: TB-04 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1600							
Date Received: 01/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/30/2009 0113	Analyst RRH	Prep Date	Batch 25716

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		108	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 67 of 168

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-015			
Description: HMW-4 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 0920							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/30/2009 0135	RRH		25716		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	2.4	J	10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL	J = Estimated result < PQL and ≥ MDL	P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"		N = Recovery is out of criteria
		H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-015			
Description: HMW-4 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 0920							
Date Received: 01/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/30/2009 0135	Analyst RRH	Prep Date	Batch 25716

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 69 of 168

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-016			
Description: HAA01-MW-17 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1150							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/30/2009 0156	RRH		25716		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	5.6	J	10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL	J = Estimated result < PQL and ≥ MDL	P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"		N = Recovery is out of criteria
		H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-016			
Description: HAA01-MW-17 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1150							
Date Received: 01/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/30/2009 0156	Analyst RRH	Prep Date	Batch 25716

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 71 of 168

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-017			
Description: HMW-24 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1315							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/30/2009 0217	RRH		25716		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	9.4	J	10	0.061	ug/L	1
Benzene	71-43-2	8260B	4.9		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	2.1		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	5.1	J	10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	3.1		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL	J = Estimated result < PQL and ≥ MDL	P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"		N = Recovery is out of criteria
		H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-017			
Description: HMW-24 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1315							
Date Received: 01/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/30/2009 0217	Analyst RRH	Prep Date	Batch 25716

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 73 of 168

Level 1 Report v2.1

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18009-017

Description: HMW-24 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 1315

Date Received: 01/18/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	2	01/08/2010 0025	MZ	12/24/2009 2015	25714

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		2.0	0.18	ug/L	1
Acenaphthylene	208-96-8	8270D	ND		2.0	0.32	ug/L	1
Acetophenone	98-86-2	8270D	ND		2.0	0.64	ug/L	1
Anthracene	120-12-7	8270D	ND		2.0	0.26	ug/L	1
Atrazine	1912-24-9	8270D	ND		2.0	0.40	ug/L	1
Benzaldehyde	100-52-7	8270D	ND		10	2.0	ug/L	1
Benzo(a)anthracene	56-55-3	8270D	ND		2.0	0.30	ug/L	1
Benzo(a)pyrene	50-32-8	8270D	ND		2.0	0.32	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		2.0	0.40	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		2.0	0.46	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		2.0	0.24	ug/L	1
1,1'-Biphenyl	92-52-4	8270D	ND		2.0	0.40	ug/L	1
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		2.0	0.24	ug/L	1
Butyl benzyl phthalate	85-68-7	8270D	ND		10	3.4	ug/L	1
Caprolactam	105-60-2	8270D	ND		10	2.4	ug/L	1
Carbazole	86-74-8	8270D	ND		2.0	0.50	ug/L	1
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		2.0	0.44	ug/L	1
4-Chloroaniline	106-47-8	8270D	ND		2.0	0.26	ug/L	1
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		2.0	0.26	ug/L	1
bis(2-Chloroethyl)ether	111-44-4	8270D	ND		2.0	0.26	ug/L	1
bis(2-Chloroisopropyl)ether	108-60-1	8270D	ND		2.0	0.16	ug/L	1
2-Chloronaphthalene	91-58-7	8270D	ND		2.0	0.24	ug/L	1
2-Chlorophenol	95-57-8	8270D	ND		2.0	0.26	ug/L	1
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		2.0	0.22	ug/L	1
Chrysene	218-01-9	8270D	ND		2.0	0.24	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		2.0	0.26	ug/L	1
Dibenzofuran	132-64-9	8270D	ND		2.0	0.32	ug/L	1
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		10	1.6	ug/L	1
2,4-Dichlorophenol	120-83-2	8270D	ND		2.0	0.30	ug/L	1
Diethylphthalate	84-66-2	8270D	ND		10	3.4	ug/L	1
Dimethyl phthalate	131-11-3	8270D	ND		10	3.4	ug/L	1
2,4-Dimethylphenol	105-67-9	8270D	ND		2.0	0.62	ug/L	1
Di-n-butyl phthalate	84-74-2	8270D	ND		10	3.4	ug/L	1
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		10	3.0	ug/L	1
2,4-Dinitrophenol	51-28-5	8270D	ND		10	0.50	ug/L	1
2,4-Dinitrotoluene	121-14-2	8270D	ND		4.0	0.90	ug/L	1
2,6-Dinitrotoluene	606-20-2	8270D	ND		4.0	0.80	ug/L	1
Di-n-octylphthalate	117-84-0	8270D	ND		10	3.4	ug/L	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		10	3.4	ug/L	1
Fluoranthene	206-44-0	8270D	ND		2.0	0.42	ug/L	1
Fluorene	86-73-7	8270D	ND		2.0	0.20	ug/L	1
Hexachlorobenzene	118-74-1	8270D	ND		2.0	0.42	ug/L	1
Hexachlorobutadiene	87-68-3	8270D	ND		2.0	0.18	ug/L	1
Hexachlorocyclopentadiene	77-47-4	8270D	ND		10	0.46	ug/L	1

PQL = Practical quantitation limit	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL	J = Estimated result < PQL and ≥ MDL	P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"	N = Recovery is out of criteria	H = Out of holding time

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18009-017

Description: HMW-24 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 1315

Date Received: 01/18/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	3520C	8270D	2	01/08/2010 0025	MZ	12/24/2009 2015	25714		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Hexachloroethane	67-72-1	8270D	ND		2.0	0.22	ug/L	1	
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		2.0	0.46	ug/L	1	
Isophorone	78-59-1	8270D	ND		2.0	0.16	ug/L	1	
2-Methylnaphthalene	91-57-6	8270D	0.40	J	2.0	0.16	ug/L	1	
2-Methylphenol	95-48-7	8270D	ND		2.0	0.34	ug/L	1	
3 & 4-Methylphenol	106-44-5	8270D	ND		4.0	1.1	ug/L	1	
Naphthalene	91-20-3	8270D	3.2		2.0	0.14	ug/L	1	
2-Nitroaniline	88-74-4	8270D	ND		4.0	1.1	ug/L	1	
3-Nitroaniline	99-09-2	8270D	ND		4.0	1.5	ug/L	1	
4-Nitroaniline	100-01-6	8270D	ND		4.0	0.78	ug/L	1	
Nitrobenzene	98-95-3	8270D	ND		2.0	0.20	ug/L	1	
2-Nitrophenol	88-75-5	8270D	ND		4.0	0.54	ug/L	1	
4-Nitrophenol	100-02-7	8270D	ND		10	1.3	ug/L	1	
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		2.0	0.16	ug/L	1	
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		2.0	0.76	ug/L	1	
Pentachlorophenol	87-86-5	8270D	ND		10	1.1	ug/L	1	
Phenanthrene	85-01-8	8270D	ND		2.0	0.36	ug/L	1	
Phenol	108-95-2	8270D	ND		2.0	0.22	ug/L	1	
Pyrene	129-00-0	8270D	ND		2.0	0.32	ug/L	1	
2,4,5-Trichlorophenol	95-95-4	8270D	ND		2.0	0.36	ug/L	1	
2,4,6-Trichlorophenol	88-06-2	8270D	ND		2.0	0.44	ug/L	1	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		48	37-129
2-Fluorophenol		34	24-127
Nitrobenzene-d5		56	38-127
Phenol-d5	N	20	28-128
Terphenyl-d14		30	10-148
2,4,6-Tribromophenol		52	41-144

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 75 of 168

Level 1 Report v2.1

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18009-018

Description: HMW-23 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 1420

Date Received: 01/18/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	3520C	8270D	2	01/08/2010 0045	MZ	12/24/2009 2015	25714		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acenaphthene	83-32-9	8270D	ND		2.0	0.18	ug/L	1	
Acenaphthylene	208-96-8	8270D	ND		2.0	0.32	ug/L	1	
Acetophenone	98-86-2	8270D	ND		2.0	0.64	ug/L	1	
Anthracene	120-12-7	8270D	ND		2.0	0.26	ug/L	1	
Atrazine	1912-24-9	8270D	ND		2.0	0.40	ug/L	1	
Benzaldehyde	100-52-7	8270D	ND		10	2.0	ug/L	1	
Benzo(a)anthracene	56-55-3	8270D	ND		2.0	0.30	ug/L	1	
Benzo(a)pyrene	50-32-8	8270D	ND		2.0	0.32	ug/L	1	
Benzo(b)fluoranthene	205-99-2	8270D	ND		2.0	0.40	ug/L	1	
Benzo(g,h,i)perylene	191-24-2	8270D	ND		2.0	0.46	ug/L	1	
Benzo(k)fluoranthene	207-08-9	8270D	ND		2.0	0.24	ug/L	1	
1,1'-Biphenyl	92-52-4	8270D	ND		2.0	0.40	ug/L	1	
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		2.0	0.24	ug/L	1	
Butyl benzyl phthalate	85-68-7	8270D	ND		10	3.4	ug/L	1	
Caprolactam	105-60-2	8270D	ND		10	2.4	ug/L	1	
Carbazole	86-74-8	8270D	ND		2.0	0.50	ug/L	1	
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		2.0	0.44	ug/L	1	
4-Chloroaniline	106-47-8	8270D	25		2.0	0.26	ug/L	1	
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		2.0	0.26	ug/L	1	
bis(2-Chloroethyl)ether	111-44-4	8270D	ND		2.0	0.26	ug/L	1	
bis(2-Chloroisopropyl)ether	108-60-1	8270D	ND		2.0	0.16	ug/L	1	
2-Chloronaphthalene	91-58-7	8270D	ND		2.0	0.24	ug/L	1	
2-Chlorophenol	95-57-8	8270D	ND		2.0	0.26	ug/L	1	
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		2.0	0.22	ug/L	1	
Chrysene	218-01-9	8270D	ND		2.0	0.24	ug/L	1	
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		2.0	0.26	ug/L	1	
Dibenzofuran	132-64-9	8270D	ND		2.0	0.32	ug/L	1	
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		10	1.6	ug/L	1	
2,4-Dichlorophenol	120-83-2	8270D	ND		2.0	0.30	ug/L	1	
Diethylphthalate	84-66-2	8270D	ND		10	3.4	ug/L	1	
Dimethyl phthalate	131-11-3	8270D	ND		10	3.4	ug/L	1	
2,4-Dimethylphenol	105-67-9	8270D	ND		2.0	0.62	ug/L	1	
Di-n-butyl phthalate	84-74-2	8270D	ND		10	3.4	ug/L	1	
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		10	3.0	ug/L	1	
2,4-Dinitrophenol	51-28-5	8270D	ND		10	0.50	ug/L	1	
2,4-Dinitrotoluene	121-14-2	8270D	ND		4.0	0.90	ug/L	1	
2,6-Dinitrotoluene	606-20-2	8270D	ND		4.0	0.80	ug/L	1	
Di-n-octylphthalate	117-84-0	8270D	ND		10	3.4	ug/L	1	
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		10	3.4	ug/L	1	
Fluoranthene	206-44-0	8270D	ND		2.0	0.42	ug/L	1	
Fluorene	86-73-7	8270D	ND		2.0	0.20	ug/L	1	
Hexachlorobenzene	118-74-1	8270D	ND		2.0	0.42	ug/L	1	
Hexachlorobutadiene	87-68-3	8270D	ND		2.0	0.18	ug/L	1	
Hexachlorocyclopentadiene	77-47-4	8270D	ND		10	0.46	ug/L	1	
PQL = Practical quantitation limit ND = Not detected at or above the MDL Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"									
B = Detected in the method blank J = Estimated result < PQL and ≥ MDL									
E = Quantitation of compound exceeded the calibration range P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria									
H = Out of holding time									

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 76 of 168

Level 1 Report v2.1

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18009-018

Description: HMW-23 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 1420

Date Received: 01/18/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	3520C	8270D	2	01/08/2010 0045	MZ	12/24/2009 2015	25714		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Hexachloroethane	67-72-1	8270D	ND		2.0	0.22	ug/L	1	
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		2.0	0.46	ug/L	1	
Isophorone	78-59-1	8270D	ND		2.0	0.16	ug/L	1	
2-Methylnaphthalene	91-57-6	8270D	9.7		2.0	0.16	ug/L	1	
2-Methylphenol	95-48-7	8270D	ND		2.0	0.34	ug/L	1	
3 & 4-Methylphenol	106-44-5	8270D	ND		4.0	1.1	ug/L	1	
Naphthalene	91-20-3	8270D	58		2.0	0.14	ug/L	1	
2-Nitroaniline	88-74-4	8270D	ND		4.0	1.1	ug/L	1	
3-Nitroaniline	99-09-2	8270D	ND		4.0	1.5	ug/L	1	
4-Nitroaniline	100-01-6	8270D	ND		4.0	0.78	ug/L	1	
Nitrobenzene	98-95-3	8270D	ND		2.0	0.20	ug/L	1	
2-Nitrophenol	88-75-5	8270D	ND		4.0	0.54	ug/L	1	
4-Nitrophenol	100-02-7	8270D	ND		10	1.3	ug/L	1	
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		2.0	0.16	ug/L	1	
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		2.0	0.76	ug/L	1	
Pentachlorophenol	87-86-5	8270D	ND		10	1.1	ug/L	1	
Phenanthrene	85-01-8	8270D	ND		2.0	0.36	ug/L	1	
Phenol	108-95-2	8270D	ND		2.0	0.22	ug/L	1	
Pyrene	129-00-0	8270D	ND		2.0	0.32	ug/L	1	
2,4,5-Trichlorophenol	95-95-4	8270D	ND		2.0	0.36	ug/L	1	
2,4,6-Trichlorophenol	88-06-2	8270D	ND		2.0	0.44	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
2-Fluorobiphenyl		47	37-129						
2-Fluorophenol	N	0.70	24-127						
Nitrobenzene-d5		58	38-127						
Phenol-d5		34	28-128						
Terphenyl-d14		38	10-148						
2,4,6-Tribromophenol		59	41-144						

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-019			
Description: HMW-6 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1540							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/30/2009 0238	RRH		25716		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	1.8	J	10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL	J = Estimated result < PQL and ≥ MDL	P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"		N = Recovery is out of criteria
		H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-019			
Description: HMW-6 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1540							
Date Received: 01/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/30/2009 0238	Analyst RRH	Prep Date	Batch 25716

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 79 of 168

Level 1 Report v2.1

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18009-019

Description: HMW-6 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 1540

Date Received: 01/18/2010

Run 1	Prep Method 3520C	Analytical Method 8270D	Dilution 1	Analysis Date 01/06/2010 0117	Analyst MZ	Prep Date 12/24/2009 2015	Batch 25714		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acenaphthene	83-32-9	8270D	ND		1.0	0.090	ug/L	1	
Acenaphthylene	208-96-8	8270D	ND		1.0	0.16	ug/L	1	
Acetophenone	98-86-2	8270D	ND		1.0	0.32	ug/L	1	
Anthracene	120-12-7	8270D	ND		1.0	0.13	ug/L	1	
Atrazine	1912-24-9	8270D	ND		1.0	0.20	ug/L	1	
Benzaldehyde	100-52-7	8270D	ND		5.0	1.0	ug/L	1	
Benzo(a)anthracene	56-55-3	8270D	ND		1.0	0.15	ug/L	1	
Benzo(a)pyrene	50-32-8	8270D	ND		1.0	0.16	ug/L	1	
Benzo(b)fluoranthene	205-99-2	8270D	ND		1.0	0.20	ug/L	1	
Benzo(g,h,i)perylene	191-24-2	8270D	ND		1.0	0.23	ug/L	1	
Benzo(k)fluoranthene	207-08-9	8270D	ND		1.0	0.12	ug/L	1	
1,1'-Biphenyl	92-52-4	8270D	ND		1.0	0.20	ug/L	1	
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		1.0	0.12	ug/L	1	
Butyl benzyl phthalate	85-68-7	8270D	ND		5.0	1.7	ug/L	1	
Caprolactam	105-60-2	8270D	ND		5.0	1.2	ug/L	1	
Carbazole	86-74-8	8270D	ND		1.0	0.25	ug/L	1	
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		1.0	0.22	ug/L	1	
4-Chloroaniline	106-47-8	8270D	ND		1.0	0.13	ug/L	1	
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		1.0	0.13	ug/L	1	
bis(2-Chloroethyl)ether	111-44-4	8270D	ND		1.0	0.13	ug/L	1	
bis(2-Chloroisopropyl)ether	108-60-1	8270D	ND		1.0	0.080	ug/L	1	
2-Chloronaphthalene	91-58-7	8270D	ND		1.0	0.12	ug/L	1	
2-Chlorophenol	95-57-8	8270D	ND		1.0	0.13	ug/L	1	
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		1.0	0.11	ug/L	1	
Chrysene	218-01-9	8270D	ND		1.0	0.12	ug/L	1	
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		1.0	0.13	ug/L	1	
Dibenzofuran	132-64-9	8270D	ND		1.0	0.16	ug/L	1	
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		5.0	0.81	ug/L	1	
2,4-Dichlorophenol	120-83-2	8270D	ND		1.0	0.15	ug/L	1	
Diethylphthalate	84-66-2	8270D	ND		5.0	1.7	ug/L	1	
Dimethyl phthalate	131-11-3	8270D	ND		5.0	1.7	ug/L	1	
2,4-Dimethylphenol	105-67-9	8270D	ND		1.0	0.31	ug/L	1	
Di-n-butyl phthalate	84-74-2	8270D	ND		5.0	1.7	ug/L	1	
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		5.0	1.5	ug/L	1	
2,4-Dinitrophenol	51-28-5	8270D	ND		5.0	0.25	ug/L	1	
2,4-Dinitrotoluene	121-14-2	8270D	ND		2.0	0.45	ug/L	1	
2,6-Dinitrotoluene	606-20-2	8270D	ND		2.0	0.40	ug/L	1	
Di-n-octylphthalate	117-84-0	8270D	ND		5.0	1.7	ug/L	1	
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		5.0	1.7	ug/L	1	
Fluoranthene	206-44-0	8270D	ND		1.0	0.21	ug/L	1	
Fluorene	86-73-7	8270D	ND		1.0	0.10	ug/L	1	
Hexachlorobenzene	118-74-1	8270D	ND		1.0	0.21	ug/L	1	
Hexachlorobutadiene	87-68-3	8270D	ND		1.0	0.090	ug/L	1	
Hexachlorocyclopentadiene	77-47-4	8270D	ND		5.0	0.23	ug/L	1	
PQL = Practical quantitation limit ND = Not detected at or above the MDL Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"									
B = Detected in the method blank J = Estimated result < PQL and ≥ MDL									
E = Quantitation of compound exceeded the calibration range P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria									
H = Out of holding time									

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 80 of 168

Level 1 Report v2.1

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18009-019

Description: HMW-6 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 1540

Date Received: 01/18/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	01/06/2010 0117	MZ	12/24/2009 2015	25714

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Hexachloroethane	67-72-1	8270D	ND		1.0	0.11	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		1.0	0.23	ug/L	1
Isophorone	78-59-1	8270D	ND		1.0	0.080	ug/L	1
2-Methylnaphthalene	91-57-6	8270D	ND		1.0	0.080	ug/L	1
2-Methylphenol	95-48-7	8270D	ND		1.0	0.17	ug/L	1
3 & 4-Methylphenol	106-44-5	8270D	ND		2.0	0.57	ug/L	1
Naphthalene	91-20-3	8270D	ND		1.0	0.070	ug/L	1
2-Nitroaniline	88-74-4	8270D	ND		2.0	0.55	ug/L	1
3-Nitroaniline	99-09-2	8270D	ND		2.0	0.77	ug/L	1
4-Nitroaniline	100-01-6	8270D	ND		2.0	0.39	ug/L	1
Nitrobenzene	98-95-3	8270D	ND		1.0	0.10	ug/L	1
2-Nitrophenol	88-75-5	8270D	ND		2.0	0.27	ug/L	1
4-Nitrophenol	100-02-7	8270D	ND		5.0	0.64	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		1.0	0.080	ug/L	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		1.0	0.38	ug/L	1
Pentachlorophenol	87-86-5	8270D	ND		5.0	0.54	ug/L	1
Phenanthrene	85-01-8	8270D	ND		1.0	0.18	ug/L	1
Phenol	108-95-2	8270D	ND		1.0	0.11	ug/L	1
Pyrene	129-00-0	8270D	ND		1.0	0.16	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		1.0	0.18	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		1.0	0.22	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		50	37-129
2-Fluorophenol		43	24-127
Nitrobenzene-d5		48	38-127
Phenol-d5		35	28-128
Terphenyl-d14		27	10-148
2,4,6-Tribromophenol		63	41-144

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 81 of 168

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-020			
Description: HAA01-MW-16 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 0923							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/30/2009 0259	RRH		25716		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	2.1	J	10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL	J = Estimated result < PQL and ≥ MDL	P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"		N = Recovery is out of criteria
		H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-020			
Description: HAA01-MW-16 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 0923							
Date Received: 01/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/30/2009 0259	Analyst RRH	Prep Date	Batch 25716

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 83 of 168

Level 1 Report v2.1

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18009-020

Description: HAA01-MW-16 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 0923

Date Received: 01/18/2010

Run 1	Prep Method 3520C	Analytical Method 8270D	Dilution 1	Analysis Date 01/06/2010 0137	Analyst MZ	Prep Date 12/24/2009 2015	Batch 25714		
Parameter		CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene		83-32-9	8270D	ND		1.0	0.090	ug/L	1
Acenaphthylene		208-96-8	8270D	ND		1.0	0.16	ug/L	1
Acetophenone		98-86-2	8270D	ND		1.0	0.32	ug/L	1
Anthracene		120-12-7	8270D	ND		1.0	0.13	ug/L	1
Atrazine		1912-24-9	8270D	ND		1.0	0.20	ug/L	1
Benzaldehyde		100-52-7	8270D	ND		5.0	1.0	ug/L	1
Benzo(a)anthracene		56-55-3	8270D	ND		1.0	0.15	ug/L	1
Benzo(a)pyrene		50-32-8	8270D	ND		1.0	0.16	ug/L	1
Benzo(b)fluoranthene		205-99-2	8270D	ND		1.0	0.20	ug/L	1
Benzo(g,h,i)perylene		191-24-2	8270D	ND		1.0	0.23	ug/L	1
Benzo(k)fluoranthene		207-08-9	8270D	ND		1.0	0.12	ug/L	1
1,1'-Biphenyl		92-52-4	8270D	ND		1.0	0.20	ug/L	1
4-Bromophenyl phenyl ether		101-55-3	8270D	ND		1.0	0.12	ug/L	1
Butyl benzyl phthalate		85-68-7	8270D	ND		5.0	1.7	ug/L	1
Caprolactam		105-60-2	8270D	ND		5.0	1.2	ug/L	1
Carbazole		86-74-8	8270D	ND		1.0	0.25	ug/L	1
4-Chloro-3-methyl phenol		59-50-7	8270D	ND		1.0	0.22	ug/L	1
4-Chloroaniline		106-47-8	8270D	ND		1.0	0.13	ug/L	1
bis(2-Chloroethoxy)methane		111-91-1	8270D	ND		1.0	0.13	ug/L	1
bis(2-Chloroethyl)ether		111-44-4	8270D	ND		1.0	0.13	ug/L	1
bis(2-Chloroisopropyl)ether		108-60-1	8270D	ND		1.0	0.080	ug/L	1
2-Chloronaphthalene		91-58-7	8270D	ND		1.0	0.12	ug/L	1
2-Chlorophenol		95-57-8	8270D	ND		1.0	0.13	ug/L	1
4-Chlorophenyl phenyl ether		7005-72-3	8270D	ND		1.0	0.11	ug/L	1
Chrysene		218-01-9	8270D	ND		1.0	0.12	ug/L	1
Dibenzo(a,h)anthracene		53-70-3	8270D	ND		1.0	0.13	ug/L	1
Dibenzofuran		132-64-9	8270D	ND		1.0	0.16	ug/L	1
3,3'-Dichlorobenzidine		91-94-1	8270D	ND		5.0	0.81	ug/L	1
2,4-Dichlorophenol		120-83-2	8270D	ND		1.0	0.15	ug/L	1
Diethylphthalate		84-66-2	8270D	ND		5.0	1.7	ug/L	1
Dimethyl phthalate		131-11-3	8270D	ND		5.0	1.7	ug/L	1
2,4-Dimethylphenol		105-67-9	8270D	ND		1.0	0.31	ug/L	1
Di-n-butyl phthalate		84-74-2	8270D	ND		5.0	1.7	ug/L	1
4,6-Dinitro-2-methylphenol		534-52-1	8270D	ND		5.0	1.5	ug/L	1
2,4-Dinitrophenol		51-28-5	8270D	ND		5.0	0.25	ug/L	1
2,4-Dinitrotoluene		121-14-2	8270D	ND		2.0	0.45	ug/L	1
2,6-Dinitrotoluene		606-20-2	8270D	ND		2.0	0.40	ug/L	1
Di-n-octylphthalate		117-84-0	8270D	ND		5.0	1.7	ug/L	1
bis(2-Ethylhexyl)phthalate		117-81-7	8270D	ND		5.0	1.7	ug/L	1
Fluoranthene		206-44-0	8270D	ND		1.0	0.21	ug/L	1
Fluorene		86-73-7	8270D	ND		1.0	0.10	ug/L	1
Hexachlorobenzene		118-74-1	8270D	ND		1.0	0.21	ug/L	1
Hexachlorobutadiene		87-68-3	8270D	ND		1.0	0.090	ug/L	1
Hexachlorocyclopentadiene		77-47-4	8270D	ND		5.0	0.23	ug/L	1
PQL = Practical quantitation limit			B = Detected in the method blank		E = Quantitation of compound exceeded the calibration range				
ND = Not detected at or above the MDL			J = Estimated result < PQL and ≥ MDL		P = The RPD between two GC columns exceeds 40%				
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"					N = Recovery is out of criteria			H = Out of holding time	

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 84 of 168

Level 1 Report v2.1

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18009-020

Description: HAA01-MW-16 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 0923

Date Received: 01/18/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	01/06/2010 0137	MZ	12/24/2009 2015	25714

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Hexachloroethane	67-72-1	8270D	ND		1.0	0.11	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		1.0	0.23	ug/L	1
Isophorone	78-59-1	8270D	ND		1.0	0.080	ug/L	1
2-Methylnaphthalene	91-57-6	8270D	ND		1.0	0.080	ug/L	1
2-Methylphenol	95-48-7	8270D	ND		1.0	0.17	ug/L	1
3 & 4-Methylphenol	106-44-5	8270D	ND		2.0	0.57	ug/L	1
Naphthalene	91-20-3	8270D	ND		1.0	0.070	ug/L	1
2-Nitroaniline	88-74-4	8270D	ND		2.0	0.55	ug/L	1
3-Nitroaniline	99-09-2	8270D	ND		2.0	0.77	ug/L	1
4-Nitroaniline	100-01-6	8270D	ND		2.0	0.39	ug/L	1
Nitrobenzene	98-95-3	8270D	ND		1.0	0.10	ug/L	1
2-Nitrophenol	88-75-5	8270D	ND		2.0	0.27	ug/L	1
4-Nitrophenol	100-02-7	8270D	ND		5.0	0.64	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		1.0	0.080	ug/L	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		1.0	0.38	ug/L	1
Pentachlorophenol	87-86-5	8270D	ND		5.0	0.54	ug/L	1
Phenanthrene	85-01-8	8270D	ND		1.0	0.18	ug/L	1
Phenol	108-95-2	8270D	ND		1.0	0.11	ug/L	1
Pyrene	129-00-0	8270D	ND		1.0	0.16	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		1.0	0.18	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		1.0	0.22	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		51	37-129
2-Fluorophenol		50	24-127
Nitrobenzene-d5		50	38-127
Phenol-d5		38	28-128
Terphenyl-d14		51	10-148
2,4,6-Tribromophenol		55	41-144

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 85 of 168

Level 1 Report v2.1

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-020			
Description: HAA01-MW-16 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 0923							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch				
1	3520C	8081B	1	01/01/2010 0338	NCM	12/23/2009 1413	25708				

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		0.028	0.0022	ug/L	1
alpha-BHC	319-84-6	8081B	ND		0.028	0.0033	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.028	0.021	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.028	0.0089	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.028	0.0056	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.028	0.0033	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.028	0.0033	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.028	0.0067	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.028	0.0067	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.028	0.0033	ug/L	1
Dieldrin	60-57-1	8081B	ND		0.028	0.0044	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.028	0.0067	ug/L	1
Endosulfan II	33213-65-9	8081B	ND		0.028	0.027	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.028	0.0033	ug/L	1
Endrin	72-20-8	8081B	ND		0.028	0.0056	ug/L	1
Endrin aldehyde	7421-93-4	8081B	ND		0.028	0.0033	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.028	0.0044	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.028	0.022	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.028	0.0033	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.11	0.016	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.28	0.033	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		69	49-124
Tetrachloro-m-xylene		85	58-122

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

CVAA

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-020			
Description: HAA01-MW-16 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 0923							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch			
1		7470A	1	12/21/2009 2221	BNW	12/21/2009 1535	25709			

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND	0.00010	0.000053		mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

RCRA Metals

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-020			
Description: HAA01-MW-16 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 0923							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch				
1	3005A	6010C	1	12/30/2009 0506	CDF	12/22/2009 1500	25712				

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.010	0.0040	mg/L	1
Barium	7440-39-3	6010C	0.072		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010C	ND		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010C	ND		0.010	0.0019	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	0.0026	mg/L	1
Silver	7440-22-4	6010C	ND		0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL	J = Estimated result < PQL and ≥ MDL	P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"		N = Recovery is out of criteria
		H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-021			
Description: TB-03 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 0900							
Date Received: 01/18/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/30/2009 0320	RRH		25716		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	1.2	J	10	0.061	ug/L	1	
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1	
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1	
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1	
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1	
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1	
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1	
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1	
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1	
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1	
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1	
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1	
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1	
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1	
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1	
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1	
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1	
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1	
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1	
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1	
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1	
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1	
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1	
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1	
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1	
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1	
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1	
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1	
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1	
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1	
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1	
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1	
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1	
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1	
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1	
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1	
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1	
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1	
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1	
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1	
PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" N = Recovery is out of criteria H = Out of holding time									

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18009-021			
Description: TB-03 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 0900							
Date Received: 01/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/30/2009 0320	Analyst RRH	Prep Date	Batch 25716

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 90 of 168

Level 1 Report v2.1

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ24459-001

Batch: 24459

Analytical Method: 8260B

Matrix: Aqueous

Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	10	0.061	ug/L	12/29/2009 1225
Benzene	ND		1	0.50	0.027	ug/L	12/29/2009 1225
Bromodichloromethane	ND		1	0.50	0.17	ug/L	12/29/2009 1225
Bromoform	ND		1	0.50	0.010	ug/L	12/29/2009 1225
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	12/29/2009 1225
2-Butanone (MEK)	ND		1	10	2.0	ug/L	12/29/2009 1225
Carbon disulfide	ND		1	0.50	0.097	ug/L	12/29/2009 1225
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	12/29/2009 1225
Chlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 1225
Chloroethane	ND		1	0.50	0.17	ug/L	12/29/2009 1225
Chloroform	ND		1	0.50	0.17	ug/L	12/29/2009 1225
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	12/29/2009 1225
Cyclohexane	ND		1	0.50	0.30	ug/L	12/29/2009 1225
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	12/29/2009 1225
Dibromochloromethane	ND		1	0.50	0.17	ug/L	12/29/2009 1225
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	12/29/2009 1225
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 1225
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 1225
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 1225
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	12/29/2009 1225
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	12/29/2009 1225
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	12/29/2009 1225
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	12/29/2009 1225
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	12/29/2009 1225
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	12/29/2009 1225
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	12/29/2009 1225
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	12/29/2009 1225
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	12/29/2009 1225
Ethylbenzene	ND		1	0.50	0.17	ug/L	12/29/2009 1225
2-Hexanone	ND		1	10	0.27	ug/L	12/29/2009 1225
Isopropylbenzene	ND		1	0.50	0.029	ug/L	12/29/2009 1225
Methyl acetate	ND		1	1.0	0.30	ug/L	12/29/2009 1225
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	12/29/2009 1225
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	12/29/2009 1225
Methylcyclohexane	ND		1	5.0	0.95	ug/L	12/29/2009 1225
Methylene chloride	ND		1	0.50	0.17	ug/L	12/29/2009 1225
Styrene	ND		1	0.50	0.015	ug/L	12/29/2009 1225
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	12/29/2009 1225
Tetrachloroethene	ND		1	0.50	0.014	ug/L	12/29/2009 1225
Toluene	ND		1	0.50	0.17	ug/L	12/29/2009 1225
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	12/29/2009 1225
1,2,4-Trichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 1225
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	12/29/2009 1225
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	12/29/2009 1225

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ24459-001

Matrix: Aqueous

Batch: 24459

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.024	ug/L	12/29/2009 1225
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	12/29/2009 1225
Vinyl chloride	ND		1	0.50	0.065	ug/L	12/29/2009 1225
Xylenes (total)	ND		1	0.50	0.17	ug/L	12/29/2009 1225
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		93	70-130				
1,2-Dichloroethane-d4		102	70-130				
Toluene-d8		101	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ24459-002

Matrix: Aqueous

Batch: 24459

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	120		1	118	46-153	12/29/2009 1057
Benzene	50	49		1	98	70-130	12/29/2009 1057
Bromodichloromethane	50	53		1	106	70-130	12/29/2009 1057
Bromoform	50	44		1	88	70-130	12/29/2009 1057
Bromomethane (Methyl bromide)	50	53		1	107	60-140	12/29/2009 1057
2-Butanone (MEK)	100	110		1	112	60-140	12/29/2009 1057
Carbon disulfide	50	55		1	109	60-140	12/29/2009 1057
Carbon tetrachloride	50	51		1	102	70-130	12/29/2009 1057
Chlorobenzene	50	52		1	104	70-130	12/29/2009 1057
Chloroethane	50	52		1	103	42-163	12/29/2009 1057
Chloroform	50	49		1	99	70-130	12/29/2009 1057
Chloromethane (Methyl chloride)	50	48		1	95	20-158	12/29/2009 1057
Cyclohexane	50	54		1	107	70-130	12/29/2009 1057
1,2-Dibromo-3-chloropropane (DBCP)	50	56		1	111	70-130	12/29/2009 1057
Dibromochloromethane	50	54		1	108	70-130	12/29/2009 1057
1,2-Dibromoethane (EDB)	50	54		1	107	70-130	12/29/2009 1057
1,4-Dichlorobenzene	50	51		1	102	70-130	12/29/2009 1057
1,2-Dichlorobenzene	50	54		1	107	70-130	12/29/2009 1057
1,3-Dichlorobenzene	50	54		1	107	70-130	12/29/2009 1057
Dichlorodifluoromethane	50	48		1	95	60-140	12/29/2009 1057
1,2-Dichloroethane	50	51		1	102	70-130	12/29/2009 1057
1,1-Dichloroethane	50	48		1	96	70-130	12/29/2009 1057
cis-1,2-Dichloroethene	50	49		1	99	70-130	12/29/2009 1057
1,1-Dichloroethene	50	48		1	97	70-130	12/29/2009 1057
trans-1,2-Dichloroethene	50	49		1	99	70-130	12/29/2009 1057
1,2-Dichloropropane	50	50		1	100	70-130	12/29/2009 1057
cis-1,3-Dichloropropene	50	48		1	96	70-130	12/29/2009 1057
trans-1,3-Dichloropropene	50	47		1	95	70-130	12/29/2009 1057
Ethylbenzene	50	55		1	109	70-130	12/29/2009 1057
2-Hexanone	100	99		1	99	60-140	12/29/2009 1057
Isopropylbenzene	50	58		1	115	70-130	12/29/2009 1057
Methyl acetate	50	48		1	96	15-128	12/29/2009 1057
Methyl tertiary butyl ether (MTBE)	50	51		1	102	70-130	12/29/2009 1057
4-Methyl-2-pentanone	100	100		1	104	60-140	12/29/2009 1057
Methylcyclohexane	50	57		1	113	70-130	12/29/2009 1057
Methylene chloride	50	47		1	94	70-130	12/29/2009 1057
Styrene	50	58		1	115	70-130	12/29/2009 1057
1,1,2,2-Tetrachloroethane	50	54		1	108	70-130	12/29/2009 1057
Tetrachloroethene	50	52		1	104	70-130	12/29/2009 1057
Toluene	50	53		1	106	70-130	12/29/2009 1057
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	55		1	110	70-130	12/29/2009 1057
1,2,4-Trichlorobenzene	50	58		1	116	70-130	12/29/2009 1057
1,1,2-Trichloroethane	50	53		1	106	70-130	12/29/2009 1057
1,1,1-Trichloroethane	50	51		1	102	70-130	12/29/2009 1057

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ24459-002

Matrix: Aqueous

Batch: 24459

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	50		1	100	70-130	12/29/2009 1057
Trichlorofluoromethane	50	50		1	100	60-140	12/29/2009 1057
Vinyl chloride	50	49		1	98	60-140	12/29/2009 1057
Xylenes (total)	100	110		1	110	70-130	12/29/2009 1057
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		99	70-130				
1,2-Dichloroethane-d4		97	70-130				
Toluene-d8		103	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ24459-003

Matrix: Aqueous

Batch: 24459

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	110		1	113	4.6	46-153	20	12/29/2009 1119
Benzene	50	49		1	99	1.5	70-130	20	12/29/2009 1119
Bromodichloromethane	50	53		1	105	1.0	70-130	20	12/29/2009 1119
Bromoform	50	42		1	83	5.9	70-130	20	12/29/2009 1119
Bromomethane (Methyl bromide)	50	50		1	99	7.3	60-140	20	12/29/2009 1119
2-Butanone (MEK)	100	100		1	105	6.4	60-140	20	12/29/2009 1119
Carbon disulfide	50	54		1	108	1.1	60-140	20	12/29/2009 1119
Carbon tetrachloride	50	50		1	100	1.9	70-130	20	12/29/2009 1119
Chlorobenzene	50	52		1	104	0.51	70-130	20	12/29/2009 1119
Chloroethane	50	51		1	102	1.1	42-163	20	12/29/2009 1119
Chloroform	50	49		1	97	1.3	70-130	20	12/29/2009 1119
Chloromethane (Methyl chloride)	50	46		1	92	3.4	20-158	20	12/29/2009 1119
Cyclohexane	50	53		1	106	1.1	70-130	20	12/29/2009 1119
1,2-Dibromo-3-chloropropane (DBCP)	50	54		1	108	2.5	70-130	20	12/29/2009 1119
Dibromochloromethane	50	54		1	108	0.23	70-130	20	12/29/2009 1119
1,2-Dibromoethane (EDB)	50	54		1	109	1.5	70-130	20	12/29/2009 1119
1,4-Dichlorobenzene	50	52		1	104	1.9	70-130	20	12/29/2009 1119
1,2-Dichlorobenzene	50	54		1	108	0.39	70-130	20	12/29/2009 1119
1,3-Dichlorobenzene	50	54		1	108	0.63	70-130	20	12/29/2009 1119
Dichlorodifluoromethane	50	47		1	94	1.9	60-140	20	12/29/2009 1119
1,2-Dichloroethane	50	49		1	99	2.7	70-130	20	12/29/2009 1119
1,1-Dichloroethane	50	49		1	97	1.2	70-130	20	12/29/2009 1119
cis-1,2-Dichloroethene	50	49		1	97	1.3	70-130	20	12/29/2009 1119
1,1-Dichloroethene	50	47		1	95	2.1	70-130	20	12/29/2009 1119
trans-1,2-Dichloroethene	50	49		1	98	1.3	70-130	20	12/29/2009 1119
1,2-Dichloropropane	50	50		1	100	0.044	70-130	20	12/29/2009 1119
cis-1,3-Dichloropropene	50	49		1	98	2.6	70-130	20	12/29/2009 1119
trans-1,3-Dichloropropene	50	48		1	96	0.98	70-130	20	12/29/2009 1119
Ethylbenzene	50	56		1	111	2.0	70-130	20	12/29/2009 1119
2-Hexanone	100	100		1	100	0.91	60-140	20	12/29/2009 1119
Isopropylbenzene	50	58		1	117	1.2	70-130	20	12/29/2009 1119
Methyl acetate	50	45		1	90	5.8	15-128	20	12/29/2009 1119
Methyl tertiary butyl ether (MTBE)	50	50		1	100	1.4	70-130	20	12/29/2009 1119
4-Methyl-2-pentanone	100	100		1	102	1.3	60-140	20	12/29/2009 1119
Methylcyclohexane	50	56		1	112	0.67	70-130	20	12/29/2009 1119
Methylene chloride	50	47		1	94	0.52	70-130	20	12/29/2009 1119
Styrene	50	58		1	117	1.5	70-130	20	12/29/2009 1119
1,1,2,2-Tetrachloroethane	50	53		1	107	1.2	70-130	20	12/29/2009 1119
Tetrachloroethene	50	54		1	107	2.6	70-130	20	12/29/2009 1119
Toluene	50	54		1	108	2.0	70-130	20	12/29/2009 1119
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	54		1	107	2.9	70-130	20	12/29/2009 1119
1,2,4-Trichlorobenzene	50	56		1	113	2.8	70-130	20	12/29/2009 1119
1,1,2-Trichloroethane	50	53		1	107	0.33	70-130	20	12/29/2009 1119
1,1,1-Trichloroethane	50	51		1	102	0.77	70-130	20	12/29/2009 1119

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ24459-003

Matrix: Aqueous

Batch: 24459

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	51		1	102	1.7	70-130	20	12/29/2009 1119
Trichlorofluoromethane	50	50		1	100	0.080	60-140	20	12/29/2009 1119
Vinyl chloride	50	48		1	97	1.7	60-140	20	12/29/2009 1119
Xylenes (total)	100	110		1	112	1.6	70-130	20	12/29/2009 1119
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		98	70-130						
1,2-Dichloroethane-d4		95	70-130						
Toluene-d8		103	70-130						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ24460-001

Matrix: Aqueous

Batch: 24460

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	10	0.061	ug/L	12/29/2009 2253
Benzene	ND		1	0.50	0.027	ug/L	12/29/2009 2253
Bromodichloromethane	ND		1	0.50	0.17	ug/L	12/29/2009 2253
Bromoform	ND		1	0.50	0.010	ug/L	12/29/2009 2253
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	12/29/2009 2253
2-Butanone (MEK)	ND		1	10	2.0	ug/L	12/29/2009 2253
Carbon disulfide	ND		1	0.50	0.097	ug/L	12/29/2009 2253
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	12/29/2009 2253
Chlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2253
Chloroethane	ND		1	0.50	0.17	ug/L	12/29/2009 2253
Chloroform	ND		1	0.50	0.17	ug/L	12/29/2009 2253
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	12/29/2009 2253
Cyclohexane	ND		1	0.50	0.30	ug/L	12/29/2009 2253
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	12/29/2009 2253
Dibromochloromethane	ND		1	0.50	0.17	ug/L	12/29/2009 2253
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	12/29/2009 2253
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2253
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2253
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2253
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	12/29/2009 2253
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	12/29/2009 2253
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	12/29/2009 2253
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	12/29/2009 2253
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	12/29/2009 2253
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	12/29/2009 2253
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	12/29/2009 2253
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	12/29/2009 2253
Ethylbenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2253
2-Hexanone	ND		1	10	0.27	ug/L	12/29/2009 2253
Isopropylbenzene	ND		1	0.50	0.029	ug/L	12/29/2009 2253
Methyl acetate	ND		1	1.0	0.30	ug/L	12/29/2009 2253
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	12/29/2009 2253
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	12/29/2009 2253
Methylcyclohexane	ND		1	5.0	0.95	ug/L	12/29/2009 2253
Methylene chloride	ND		1	0.50	0.17	ug/L	12/29/2009 2253
Styrene	ND		1	0.50	0.015	ug/L	12/29/2009 2253
1,1,1,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	12/29/2009 2253
Tetrachloroethene	ND		1	0.50	0.014	ug/L	12/29/2009 2253
Toluene	ND		1	0.50	0.17	ug/L	12/29/2009 2253
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	12/29/2009 2253
1,2,4-Trichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2253
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	12/29/2009 2253
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	12/29/2009 2253
Trichloroethene	ND		1	0.50	0.024	ug/L	12/29/2009 2253

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ24460-001

Matrix: Aqueous

Batch: 24460

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	12/29/2009 2253
Vinyl chloride	ND		1	0.50	0.065	ug/L	12/29/2009 2253
Xylenes (total)	ND		1	0.50	0.17	ug/L	12/29/2009 2253
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		95	70-130				
1,2-Dichloroethane-d4		98	70-130				
Toluene-d8		99	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ24460-002

Matrix: Aqueous

Batch: 24460

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	120		1	117	46-153	12/29/2009 2125
Benzene	50	50		1	99	70-130	12/29/2009 2125
Bromodichloromethane	50	52		1	105	70-130	12/29/2009 2125
Bromoform	50	40		1	80	70-130	12/29/2009 2125
Bromomethane (Methyl bromide)	50	55		1	109	60-140	12/29/2009 2125
2-Butanone (MEK)	100	110		1	109	60-140	12/29/2009 2125
Carbon disulfide	50	56		1	111	60-140	12/29/2009 2125
Carbon tetrachloride	50	52		1	104	70-130	12/29/2009 2125
Chlorobenzene	50	53		1	105	70-130	12/29/2009 2125
Chloroethane	50	54		1	108	42-163	12/29/2009 2125
Chloroform	50	50		1	101	70-130	12/29/2009 2125
Chloromethane (Methyl chloride)	50	49		1	98	20-158	12/29/2009 2125
Cyclohexane	50	56		1	112	70-130	12/29/2009 2125
1,2-Dibromo-3-chloropropane (DBCP)	50	55		1	110	70-130	12/29/2009 2125
Dibromochloromethane	50	54		1	108	70-130	12/29/2009 2125
1,2-Dibromoethane (EDB)	50	53		1	106	70-130	12/29/2009 2125
1,4-Dichlorobenzene	50	52		1	104	70-130	12/29/2009 2125
1,2-Dichlorobenzene	50	54		1	109	70-130	12/29/2009 2125
1,3-Dichlorobenzene	50	54		1	108	70-130	12/29/2009 2125
Dichlorodifluoromethane	50	48		1	96	60-140	12/29/2009 2125
1,2-Dichloroethane	50	50		1	101	70-130	12/29/2009 2125
1,1-Dichloroethane	50	50		1	100	70-130	12/29/2009 2125
1,1-Dichloroethene	50	49		1	99	70-130	12/29/2009 2125
trans-1,2-Dichloroethene	50	51		1	102	70-130	12/29/2009 2125
1,2-Dichloropropane	50	51		1	103	70-130	12/29/2009 2125
cis-1,3-Dichloropropene	50	49		1	98	70-130	12/29/2009 2125
trans-1,3-Dichloropropene	50	48		1	96	70-130	12/29/2009 2125
Ethylbenzene	50	55		1	110	70-130	12/29/2009 2125
2-Hexanone	100	98		1	98	60-140	12/29/2009 2125
Isopropylbenzene	50	59		1	118	70-130	12/29/2009 2125
Methyl acetate	50	47		1	94	15-128	12/29/2009 2125
Methyl tertiary butyl ether (MTBE)	50	53		1	106	70-130	12/29/2009 2125
4-Methyl-2-pentanone	100	100		1	103	60-140	12/29/2009 2125
Methylcyclohexane	50	56		1	113	70-130	12/29/2009 2125
Methylene chloride	50	49		1	98	70-130	12/29/2009 2125
Styrene	50	58		1	117	70-130	12/29/2009 2125
1,1,2,2-Tetrachloroethane	50	53		1	106	70-130	12/29/2009 2125
Tetrachloroethene	50	53		1	105	70-130	12/29/2009 2125
Toluene	50	54		1	108	70-130	12/29/2009 2125
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	55		1	109	70-130	12/29/2009 2125
1,2,4-Trichlorobenzene	50	60		1	121	70-130	12/29/2009 2125
1,1,2-Trichloroethane	50	53		1	105	70-130	12/29/2009 2125
1,1,1-Trichloroethane	50	53		1	107	70-130	12/29/2009 2125
Trichloroethene	50	51		1	103	70-130	12/29/2009 2125

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ24460-002

Matrix: Aqueous

Batch: 24460

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichlorofluoromethane	50	49		1	98	60-140	12/29/2009 2125
Vinyl chloride	50	50		1	100	60-140	12/29/2009 2125
Xylenes (total)	100	110		1	112	70-130	12/29/2009 2125
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		95	70-130				
1,2-Dichloroethane-d4		94	70-130				
Toluene-d8		103	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ24460-003

Matrix: Aqueous

Batch: 24460

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	100		1	103	13	46-153	20	12/29/2009 2147
Benzene	50	45		1	90	9.6	70-130	20	12/29/2009 2147
Bromodichloromethane	50	48		1	96	8.7	70-130	20	12/29/2009 2147
Bromoform	50	36		1	72	10	70-130	20	12/29/2009 2147
Bromomethane (Methyl bromide)	50	49		1	98	10	60-140	20	12/29/2009 2147
2-Butanone (MEK)	100	99		1	99	9.3	60-140	20	12/29/2009 2147
Carbon disulfide	50	49		1	98	12	60-140	20	12/29/2009 2147
Carbon tetrachloride	50	46		1	92	12	70-130	20	12/29/2009 2147
Chlorobenzene	50	49		1	98	6.6	70-130	20	12/29/2009 2147
Chloroethane	50	49		1	97	11	42-163	20	12/29/2009 2147
Chloroform	50	45		1	91	10	70-130	20	12/29/2009 2147
Chloromethane (Methyl chloride)	50	44		1	88	11	20-158	20	12/29/2009 2147
Cyclohexane	50	50		1	100	11	70-130	20	12/29/2009 2147
1,2-Dibromo-3-chloropropane (DBCP)	50	47		1	94	15	70-130	20	12/29/2009 2147
Dibromochloromethane	50	49		1	97	10	70-130	20	12/29/2009 2147
1,2-Dibromoethane (EDB)	50	50		1	99	6.5	70-130	20	12/29/2009 2147
1,4-Dichlorobenzene	50	50		1	100	3.9	70-130	20	12/29/2009 2147
1,2-Dichlorobenzene	50	51		1	102	6.3	70-130	20	12/29/2009 2147
1,3-Dichlorobenzene	50	51		1	102	5.2	70-130	20	12/29/2009 2147
Dichlorodifluoromethane	50	43		1	86	10	60-140	20	12/29/2009 2147
1,2-Dichloroethane	50	47		1	94	7.2	70-130	20	12/29/2009 2147
1,1-Dichloroethane	50	44		1	88	13	70-130	20	12/29/2009 2147
1,1-Dichloroethene	50	44		1	87	12	70-130	20	12/29/2009 2147
trans-1,2-Dichloroethene	50	45		1	91	12	70-130	20	12/29/2009 2147
1,2-Dichloropropane	50	48		1	96	7.3	70-130	20	12/29/2009 2147
cis-1,3-Dichloropropene	50	46		1	91	6.8	70-130	20	12/29/2009 2147
trans-1,3-Dichloropropene	50	45		1	90	6.6	70-130	20	12/29/2009 2147
Ethylbenzene	50	52		1	105	4.9	70-130	20	12/29/2009 2147
2-Hexanone	100	95		1	95	3.6	60-140	20	12/29/2009 2147
Isopropylbenzene	50	56		1	113	4.8	70-130	20	12/29/2009 2147
Methyl acetate	50	41		1	83	13	15-128	20	12/29/2009 2147
Methyl tertiary butyl ether (MTBE)	50	47		1	94	13	70-130	20	12/29/2009 2147
4-Methyl-2-pentanone	100	96		1	96	7.4	60-140	20	12/29/2009 2147
Methylcyclohexane	50	52		1	103	8.8	70-130	20	12/29/2009 2147
Methylene chloride	50	44		1	88	11	70-130	20	12/29/2009 2147
Styrene	50	55		1	111	5.4	70-130	20	12/29/2009 2147
1,1,2,2-Tetrachloroethane	50	50		1	99	6.3	70-130	20	12/29/2009 2147
Tetrachloroethene	50	49		1	98	7.2	70-130	20	12/29/2009 2147
Toluene	50	51		1	102	5.9	70-130	20	12/29/2009 2147
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	51		1	102	7.2	70-130	20	12/29/2009 2147
1,2,4-Trichlorobenzene	50	54		1	107	11	70-130	20	12/29/2009 2147
1,1,2-Trichloroethane	50	50		1	100	4.7	70-130	20	12/29/2009 2147
1,1,1-Trichloroethane	50	48		1	96	10	70-130	20	12/29/2009 2147
Trichloroethene	50	47		1	94	8.2	70-130	20	12/29/2009 2147

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ24460-003

Matrix: Aqueous

Batch: 24460

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichlorofluoromethane	50	46		1	92	6.6	60-140	20	12/29/2009 2147
Vinyl chloride	50	45		1	90	11	60-140	20	12/29/2009 2147
Xylenes (total)	100	110		1	105	6.5	70-130	20	12/29/2009 2147
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		98	70-130						
1,2-Dichloroethane-d4		91	70-130						
Toluene-d8		103	70-130						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ24494-001

Batch: 24494

Analytical Method: 8260B

Matrix: Aqueous

Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	10	0.061	ug/L	12/29/2009 2225
Benzene	ND		1	0.50	0.027	ug/L	12/29/2009 2225
Bromodichloromethane	ND		1	0.50	0.17	ug/L	12/29/2009 2225
Bromoform	ND		1	0.50	0.010	ug/L	12/29/2009 2225
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	12/29/2009 2225
2-Butanone (MEK)	ND		1	10	2.0	ug/L	12/29/2009 2225
Carbon disulfide	ND		1	0.50	0.097	ug/L	12/29/2009 2225
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	12/29/2009 2225
Chlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2225
Chloroethane	ND		1	0.50	0.17	ug/L	12/29/2009 2225
Chloroform	ND		1	0.50	0.17	ug/L	12/29/2009 2225
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	12/29/2009 2225
Cyclohexane	ND		1	0.50	0.30	ug/L	12/29/2009 2225
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	12/29/2009 2225
Dibromochloromethane	ND		1	0.50	0.17	ug/L	12/29/2009 2225
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	12/29/2009 2225
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2225
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2225
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2225
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	12/29/2009 2225
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	12/29/2009 2225
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	12/29/2009 2225
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	12/29/2009 2225
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	12/29/2009 2225
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	12/29/2009 2225
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	12/29/2009 2225
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	12/29/2009 2225
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	12/29/2009 2225
Ethylbenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2225
2-Hexanone	ND		1	10	0.27	ug/L	12/29/2009 2225
Isopropylbenzene	ND		1	0.50	0.029	ug/L	12/29/2009 2225
Methyl acetate	ND		1	1.0	0.30	ug/L	12/29/2009 2225
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	12/29/2009 2225
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	12/29/2009 2225
Methylcyclohexane	ND		1	5.0	0.95	ug/L	12/29/2009 2225
Methylene chloride	ND		1	0.50	0.17	ug/L	12/29/2009 2225
Styrene	ND		1	0.50	0.015	ug/L	12/29/2009 2225
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	12/29/2009 2225
Tetrachloroethene	ND		1	0.50	0.014	ug/L	12/29/2009 2225
Toluene	ND		1	0.50	0.17	ug/L	12/29/2009 2225
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	12/29/2009 2225
1,2,4-Trichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2225
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	12/29/2009 2225
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	12/29/2009 2225

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ24494-001

Matrix: Aqueous

Batch: 24494

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.024	ug/L	12/29/2009 2225
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	12/29/2009 2225
Vinyl chloride	ND		1	0.50	0.065	ug/L	12/29/2009 2225
Xylenes (total)	ND		1	0.50	0.17	ug/L	12/29/2009 2225
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		103	70-130				
1,2-Dichloroethane-d4		104	70-130				
Toluene-d8		105	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ24494-002

Matrix: Aqueous

Batch: 24494

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	110		1	109	46-153	12/29/2009 2101
Benzene	50	48		1	96	70-130	12/29/2009 2101
Bromodichloromethane	50	55		1	111	70-130	12/29/2009 2101
Bromoform	50	63		1	125	70-130	12/29/2009 2101
Bromomethane (Methyl bromide)	50	57		1	113	60-140	12/29/2009 2101
2-Butanone (MEK)	100	110		1	109	60-140	12/29/2009 2101
Carbon disulfide	50	56		1	113	60-140	12/29/2009 2101
Carbon tetrachloride	50	61		1	123	70-130	12/29/2009 2101
Chlorobenzene	50	50		1	100	70-130	12/29/2009 2101
Chloroethane	50	58		1	116	42-163	12/29/2009 2101
Chloroform	50	52		1	103	70-130	12/29/2009 2101
Chloromethane (Methyl chloride)	50	54		1	107	20-158	12/29/2009 2101
Cyclohexane	50	63		1	127	70-130	12/29/2009 2101
1,2-Dibromo-3-chloropropane (DBCP)	50	62		1	125	70-130	12/29/2009 2101
Dibromochloromethane	50	59		1	119	70-130	12/29/2009 2101
1,2-Dibromoethane (EDB)	50	55		1	109	70-130	12/29/2009 2101
1,4-Dichlorobenzene	50	65		1	129	70-130	12/29/2009 2101
1,2-Dichlorobenzene	50	51		1	101	70-130	12/29/2009 2101
1,3-Dichlorobenzene	50	64		1	128	70-130	12/29/2009 2101
Dichlorodifluoromethane	50	62		1	124	60-140	12/29/2009 2101
1,2-Dichloroethane	50	50		1	101	70-130	12/29/2009 2101
1,1-Dichloroethane	50	50		1	101	70-130	12/29/2009 2101
cis-1,2-Dichloroethene	50	50		1	100	70-130	12/29/2009 2101
1,1-Dichloroethene	50	57		1	114	70-130	12/29/2009 2101
trans-1,2-Dichloroethene	50	52		1	105	70-130	12/29/2009 2101
1,2-Dichloropropane	50	51		1	103	70-130	12/29/2009 2101
cis-1,3-Dichloropropene	50	56		1	111	70-130	12/29/2009 2101
trans-1,3-Dichloropropene	50	57		1	115	70-130	12/29/2009 2101
Ethylbenzene	50	53		1	107	70-130	12/29/2009 2101
2-Hexanone	100	100		1	104	60-140	12/29/2009 2101
Isopropylbenzene	50	57		1	114	70-130	12/29/2009 2101
Methyl acetate	50	55		1	111	15-128	12/29/2009 2101
Methyl tertiary butyl ether (MTBE)	50	50		1	100	70-130	12/29/2009 2101
4-Methyl-2-pentanone	100	100		1	101	60-140	12/29/2009 2101
Methylcyclohexane	50	65		1	130	70-130	12/29/2009 2101
Methylene chloride	50	57		1	115	70-130	12/29/2009 2101
Styrene	50	56		1	113	70-130	12/29/2009 2101
1,1,2,2-Tetrachloroethane	50	56		1	112	70-130	12/29/2009 2101
Tetrachloroethene	50	57		1	113	70-130	12/29/2009 2101
Toluene	50	51		1	101	70-130	12/29/2009 2101
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	63		1	126	70-130	12/29/2009 2101
1,2,4-Trichlorobenzene	50	66	N	1	133	70-130	12/29/2009 2101
1,1,2-Trichloroethane	50	54		1	109	70-130	12/29/2009 2101
1,1,1-Trichloroethane	50	57		1	114	70-130	12/29/2009 2101

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ24494-002

Matrix: Aqueous

Batch: 24494

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	53		1	106	70-130	12/29/2009 2101
Trichlorofluoromethane	50	61		1	121	60-140	12/29/2009 2101
Vinyl chloride	50	53		1	105	60-140	12/29/2009 2101
Xylenes (total)	100	110		1	107	70-130	12/29/2009 2101
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		102	70-130				
1,2-Dichloroethane-d4		102	70-130				
Toluene-d8		107	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ24494-003

Matrix: Aqueous

Batch: 24494

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	120		1	116	6.3	46-153	20	12/29/2009 2122
Benzene	50	47		1	95	1.8	70-130	20	12/29/2009 2122
Bromodichloromethane	50	54		1	109	1.9	70-130	20	12/29/2009 2122
Bromoform	50	63		1	126	0.65	70-130	20	12/29/2009 2122
Bromomethane (Methyl bromide)	50	53		1	106	7.0	60-140	20	12/29/2009 2122
2-Butanone (MEK)	100	110		1	113	2.9	60-140	20	12/29/2009 2122
Carbon disulfide	50	57		1	113	0.13	60-140	20	12/29/2009 2122
Carbon tetrachloride	50	61		1	122	1.0	70-130	20	12/29/2009 2122
Chlorobenzene	50	49		1	98	2.2	70-130	20	12/29/2009 2122
Chloroethane	50	58		1	116	0.17	42-163	20	12/29/2009 2122
Chloroform	50	51		1	101	1.5	70-130	20	12/29/2009 2122
Chloromethane (Methyl chloride)	50	55		1	109	1.8	20-158	20	12/29/2009 2122
Cyclohexane	50	62		1	125	1.5	70-130	20	12/29/2009 2122
1,2-Dibromo-3-chloropropane (DBCP)	50	64		1	129	3.3	70-130	20	12/29/2009 2122
Dibromochloromethane	50	59		1	118	0.62	70-130	20	12/29/2009 2122
1,2-Dibromoethane (EDB)	50	54		1	108	0.70	70-130	20	12/29/2009 2122
1,4-Dichlorobenzene	50	63		1	126	2.8	70-130	20	12/29/2009 2122
1,2-Dichlorobenzene	50	49		1	98	2.9	70-130	20	12/29/2009 2122
1,3-Dichlorobenzene	50	63		1	126	2.2	70-130	20	12/29/2009 2122
Dichlorodifluoromethane	50	61		1	121	2.6	60-140	20	12/29/2009 2122
1,2-Dichloroethane	50	50		1	101	0.25	70-130	20	12/29/2009 2122
1,1-Dichloroethane	50	50		1	100	0.67	70-130	20	12/29/2009 2122
cis-1,2-Dichloroethene	50	49		1	99	1.1	70-130	20	12/29/2009 2122
1,1-Dichloroethene	50	57		1	114	0.27	70-130	20	12/29/2009 2122
trans-1,2-Dichloroethene	50	52		1	103	1.4	70-130	20	12/29/2009 2122
1,2-Dichloropropane	50	51		1	102	0.95	70-130	20	12/29/2009 2122
cis-1,3-Dichloropropene	50	55		1	110	1.4	70-130	20	12/29/2009 2122
trans-1,3-Dichloropropene	50	57		1	114	0.32	70-130	20	12/29/2009 2122
Ethylbenzene	50	52		1	104	2.4	70-130	20	12/29/2009 2122
2-Hexanone	100	110		1	109	4.4	60-140	20	12/29/2009 2122
Isopropylbenzene	50	56		1	111	2.4	70-130	20	12/29/2009 2122
Methyl acetate	50	57		1	113	2.2	15-128	20	12/29/2009 2122
Methyl tertiary butyl ether (MTBE)	50	50		1	101	0.99	70-130	20	12/29/2009 2122
4-Methyl-2-pentanone	100	110		1	105	3.7	60-140	20	12/29/2009 2122
Methylcyclohexane	50	64		1	128	1.7	70-130	20	12/29/2009 2122
Methylene chloride	50	56		1	113	1.5	70-130	20	12/29/2009 2122
Styrene	50	55		1	111	1.9	70-130	20	12/29/2009 2122
1,1,2,2-Tetrachloroethane	50	57		1	115	2.6	70-130	20	12/29/2009 2122
Tetrachloroethene	50	55		1	110	2.5	70-130	20	12/29/2009 2122
Toluene	50	50		1	100	1.8	70-130	20	12/29/2009 2122
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	62		1	124	1.9	70-130	20	12/29/2009 2122
1,2,4-Trichlorobenzene	50	65		1	130	2.3	70-130	20	12/29/2009 2122
1,1,2-Trichloroethane	50	54		1	108	0.85	70-130	20	12/29/2009 2122
1,1,1-Trichloroethane	50	56		1	113	1.3	70-130	20	12/29/2009 2122

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ24494-003

Matrix: Aqueous

Batch: 24494

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	52		1	103	2.9	70-130	20	12/29/2009 2122
Trichlorofluoromethane	50	59		1	118	2.4	60-140	20	12/29/2009 2122
Vinyl chloride	50	53		1	105	0.24	60-140	20	12/29/2009 2122
Xylenes (total)	100	100		1	104	2.2	70-130	20	12/29/2009 2122
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		102	70-130						
1,2-Dichloroethane-d4		104	70-130						
Toluene-d8		107	70-130						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ24546-001

Batch: 24546

Analytical Method: 8260B

Matrix: Aqueous

Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	12/30/2009 1219
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		92	70-130				
1,2-Dichloroethane-d4		99	70-130				
Toluene-d8		98	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ24546-002

Matrix: Aqueous

Batch: 24546

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
cis-1,2-Dichloroethene	50	46		1	93	70-130	12/30/2009 1052
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		94	70-130				
1,2-Dichloroethane-d4		93	70-130				
Toluene-d8		101	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ24546-003

Matrix: Aqueous

Batch: 24546

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
cis-1,2-Dichloroethene	50	48		1	95	2.7	70-130	20	12/30/2009 1114
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		94	70-130						
1,2-Dichloroethane-d4		93	70-130						
Toluene-d8		103	70-130						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ25716-001

Batch: 25716

Analytical Method: 8260B

Matrix: Aqueous

Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	10	0.061	ug/L	12/29/2009 2225
Benzene	ND		1	0.50	0.027	ug/L	12/29/2009 2225
Bromodichloromethane	ND		1	0.50	0.17	ug/L	12/29/2009 2225
Bromoform	ND		1	0.50	0.010	ug/L	12/29/2009 2225
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	12/29/2009 2225
2-Butanone (MEK)	ND		1	10	2.0	ug/L	12/29/2009 2225
Carbon disulfide	ND		1	0.50	0.097	ug/L	12/29/2009 2225
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	12/29/2009 2225
Chlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2225
Chloroethane	ND		1	0.50	0.17	ug/L	12/29/2009 2225
Chloroform	ND		1	0.50	0.17	ug/L	12/29/2009 2225
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	12/29/2009 2225
Cyclohexane	ND		1	0.50	0.30	ug/L	12/29/2009 2225
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	12/29/2009 2225
Dibromochloromethane	ND		1	0.50	0.17	ug/L	12/29/2009 2225
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	12/29/2009 2225
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2225
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2225
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2225
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	12/29/2009 2225
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	12/29/2009 2225
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	12/29/2009 2225
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	12/29/2009 2225
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	12/29/2009 2225
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	12/29/2009 2225
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	12/29/2009 2225
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	12/29/2009 2225
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	12/29/2009 2225
Ethylbenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2225
2-Hexanone	ND		1	10	0.27	ug/L	12/29/2009 2225
Isopropylbenzene	ND		1	0.50	0.029	ug/L	12/29/2009 2225
Methyl acetate	ND		1	1.0	0.30	ug/L	12/29/2009 2225
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	12/29/2009 2225
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	12/29/2009 2225
Methylcyclohexane	ND		1	5.0	0.95	ug/L	12/29/2009 2225
Methylene chloride	ND		1	0.50	0.17	ug/L	12/29/2009 2225
Styrene	ND		1	0.50	0.015	ug/L	12/29/2009 2225
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	12/29/2009 2225
Tetrachloroethene	ND		1	0.50	0.014	ug/L	12/29/2009 2225
Toluene	ND		1	0.50	0.17	ug/L	12/29/2009 2225
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	12/29/2009 2225
1,2,4-Trichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2225
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	12/29/2009 2225
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	12/29/2009 2225

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ25716-001

Matrix: Aqueous

Batch: 25716

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.024	ug/L	12/29/2009 2225
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	12/29/2009 2225
Vinyl chloride	ND		1	0.50	0.065	ug/L	12/29/2009 2225
Xylenes (total)	ND		1	0.50	0.17	ug/L	12/29/2009 2225
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		103	70-130				
1,2-Dichloroethane-d4		104	70-130				
Toluene-d8		105	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: LQ25716-002

Matrix: Aqueous

Batch: 25716

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	110		1	109	46-153	12/29/2009 2101
Benzene	50	48		1	96	70-130	12/29/2009 2101
Bromodichloromethane	50	55		1	111	70-130	12/29/2009 2101
Bromoform	50	63		1	125	70-130	12/29/2009 2101
Bromomethane (Methyl bromide)	50	57		1	113	60-140	12/29/2009 2101
2-Butanone (MEK)	100	110		1	109	60-140	12/29/2009 2101
Carbon disulfide	50	56		1	113	60-140	12/29/2009 2101
Carbon tetrachloride	50	61		1	123	70-130	12/29/2009 2101
Chlorobenzene	50	50		1	100	70-130	12/29/2009 2101
Chloroethane	50	58		1	116	42-163	12/29/2009 2101
Chloroform	50	52		1	103	70-130	12/29/2009 2101
Chloromethane (Methyl chloride)	50	54		1	107	20-158	12/29/2009 2101
Cyclohexane	50	63		1	127	70-130	12/29/2009 2101
1,2-Dibromo-3-chloropropane (DBCP)	50	62		1	125	70-130	12/29/2009 2101
Dibromochloromethane	50	59		1	119	70-130	12/29/2009 2101
1,2-Dibromoethane (EDB)	50	55		1	109	70-130	12/29/2009 2101
1,4-Dichlorobenzene	50	65		1	129	70-130	12/29/2009 2101
1,2-Dichlorobenzene	50	51		1	101	70-130	12/29/2009 2101
1,3-Dichlorobenzene	50	64		1	128	70-130	12/29/2009 2101
Dichlorodifluoromethane	50	62		1	124	60-140	12/29/2009 2101
1,2-Dichloroethane	50	50		1	101	70-130	12/29/2009 2101
1,1-Dichloroethane	50	50		1	101	70-130	12/29/2009 2101
cis-1,2-Dichloroethene	50	50		1	100	70-130	12/29/2009 2101
1,1-Dichloroethene	50	57		1	114	70-130	12/29/2009 2101
trans-1,2-Dichloroethene	50	52		1	105	70-130	12/29/2009 2101
1,2-Dichloropropane	50	51		1	103	70-130	12/29/2009 2101
cis-1,3-Dichloropropene	50	56		1	111	70-130	12/29/2009 2101
trans-1,3-Dichloropropene	50	57		1	115	70-130	12/29/2009 2101
Ethylbenzene	50	53		1	107	70-130	12/29/2009 2101
2-Hexanone	100	100		1	104	60-140	12/29/2009 2101
Isopropylbenzene	50	57		1	114	70-130	12/29/2009 2101
Methyl acetate	50	55		1	111	15-128	12/29/2009 2101
Methyl tertiary butyl ether (MTBE)	50	50		1	100	70-130	12/29/2009 2101
4-Methyl-2-pentanone	100	100		1	101	60-140	12/29/2009 2101
Methylcyclohexane	50	65		1	130	70-130	12/29/2009 2101
Methylene chloride	50	57		1	115	70-130	12/29/2009 2101
Styrene	50	56		1	113	70-130	12/29/2009 2101
1,1,2,2-Tetrachloroethane	50	56		1	112	70-130	12/29/2009 2101
Tetrachloroethene	50	57		1	113	70-130	12/29/2009 2101
Toluene	50	51		1	101	70-130	12/29/2009 2101
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	63		1	126	70-130	12/29/2009 2101
1,2,4-Trichlorobenzene	50	66	N	1	133	70-130	12/29/2009 2101
1,1,2-Trichloroethane	50	54		1	109	70-130	12/29/2009 2101
1,1,1-Trichloroethane	50	57		1	114	70-130	12/29/2009 2101

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: LQ25716-002

Matrix: Aqueous

Batch: 25716

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	53		1	106	70-130	12/29/2009 2101
Trichlorofluoromethane	50	61		1	121	60-140	12/29/2009 2101
Vinyl chloride	50	53		1	105	60-140	12/29/2009 2101
Xylenes (total)	100	110		1	107	70-130	12/29/2009 2101
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		102	70-130				
1,2-Dichloroethane-d4		102	70-130				
Toluene-d8		107	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ25716-003

Batch: 25716

Analytical Method: 8260B

Matrix: Aqueous

Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	120		1	116	6.3	46-153	20	12/29/2009 2122
Benzene	50	47		1	95	1.8	70-130	20	12/29/2009 2122
Bromodichloromethane	50	54		1	109	1.9	70-130	20	12/29/2009 2122
Bromoform	50	63		1	126	0.65	70-130	20	12/29/2009 2122
Bromomethane (Methyl bromide)	50	53		1	106	7.0	60-140	20	12/29/2009 2122
2-Butanone (MEK)	100	110		1	113	2.9	60-140	20	12/29/2009 2122
Carbon disulfide	50	57		1	113	0.13	60-140	20	12/29/2009 2122
Carbon tetrachloride	50	61		1	122	1.0	70-130	20	12/29/2009 2122
Chlorobenzene	50	49		1	98	2.2	70-130	20	12/29/2009 2122
Chloroethane	50	58		1	116	0.17	42-163	20	12/29/2009 2122
Chloroform	50	51		1	101	1.5	70-130	20	12/29/2009 2122
Chloromethane (Methyl chloride)	50	55		1	109	1.8	20-158	20	12/29/2009 2122
Cyclohexane	50	62		1	125	1.5	70-130	20	12/29/2009 2122
1,2-Dibromo-3-chloropropane (DBCP)	50	64		1	129	3.3	70-130	20	12/29/2009 2122
Dibromochloromethane	50	59		1	118	0.62	70-130	20	12/29/2009 2122
1,2-Dibromoethane (EDB)	50	54		1	108	0.70	70-130	20	12/29/2009 2122
1,4-Dichlorobenzene	50	63		1	126	2.8	70-130	20	12/29/2009 2122
1,2-Dichlorobenzene	50	49		1	98	2.9	70-130	20	12/29/2009 2122
1,3-Dichlorobenzene	50	63		1	126	2.2	70-130	20	12/29/2009 2122
Dichlorodifluoromethane	50	61		1	121	2.6	60-140	20	12/29/2009 2122
1,2-Dichloroethane	50	50		1	101	0.25	70-130	20	12/29/2009 2122
1,1-Dichloroethane	50	50		1	100	0.67	70-130	20	12/29/2009 2122
cis-1,2-Dichloroethene	50	49		1	99	1.1	70-130	20	12/29/2009 2122
1,1-Dichloroethene	50	57		1	114	0.27	70-130	20	12/29/2009 2122
trans-1,2-Dichloroethene	50	52		1	103	1.4	70-130	20	12/29/2009 2122
1,2-Dichloropropane	50	51		1	102	0.95	70-130	20	12/29/2009 2122
cis-1,3-Dichloropropene	50	55		1	110	1.4	70-130	20	12/29/2009 2122
trans-1,3-Dichloropropene	50	57		1	114	0.32	70-130	20	12/29/2009 2122
Ethylbenzene	50	52		1	104	2.4	70-130	20	12/29/2009 2122
2-Hexanone	100	110		1	109	4.4	60-140	20	12/29/2009 2122
Isopropylbenzene	50	56		1	111	2.4	70-130	20	12/29/2009 2122
Methyl acetate	50	57		1	113	2.2	15-128	20	12/29/2009 2122
Methyl tertiary butyl ether (MTBE)	50	50		1	101	0.99	70-130	20	12/29/2009 2122
4-Methyl-2-pentanone	100	110		1	105	3.7	60-140	20	12/29/2009 2122
Methylcyclohexane	50	64		1	128	1.7	70-130	20	12/29/2009 2122
Methylene chloride	50	56		1	113	1.5	70-130	20	12/29/2009 2122
Styrene	50	55		1	111	1.9	70-130	20	12/29/2009 2122
1,1,2,2-Tetrachloroethane	50	57		1	115	2.6	70-130	20	12/29/2009 2122
Tetrachloroethene	50	55		1	110	2.5	70-130	20	12/29/2009 2122
Toluene	50	50		1	100	1.8	70-130	20	12/29/2009 2122
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	62		1	124	1.9	70-130	20	12/29/2009 2122
1,2,4-Trichlorobenzene	50	65		1	130	2.3	70-130	20	12/29/2009 2122
1,1,2-Trichloroethane	50	54		1	108	0.85	70-130	20	12/29/2009 2122
1,1,1-Trichloroethane	50	56		1	113	1.3	70-130	20	12/29/2009 2122

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ25716-003

Matrix: Aqueous

Batch: 25716

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	52		1	103	2.9	70-130	20	12/29/2009 2122
Trichlorofluoromethane	50	59		1	118	2.4	60-140	20	12/29/2009 2122
Vinyl chloride	50	53		1	105	0.24	60-140	20	12/29/2009 2122
Xylenes (total)	100	100		1	104	2.2	70-130	20	12/29/2009 2122
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		102	70-130						
1,2-Dichloroethane-d4		104	70-130						
Toluene-d8		107	70-130						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ25722-001

Matrix: Aqueous

Batch: 25722

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	10	0.061	ug/L	12/29/2009 2253
Benzene	ND		1	0.50	0.027	ug/L	12/29/2009 2253
Bromodichloromethane	ND		1	0.50	0.17	ug/L	12/29/2009 2253
Bromoform	ND		1	0.50	0.010	ug/L	12/29/2009 2253
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	12/29/2009 2253
2-Butanone (MEK)	ND		1	10	2.0	ug/L	12/29/2009 2253
Carbon disulfide	ND		1	0.50	0.097	ug/L	12/29/2009 2253
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	12/29/2009 2253
Chlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2253
Chloroethane	ND		1	0.50	0.17	ug/L	12/29/2009 2253
Chloroform	ND		1	0.50	0.17	ug/L	12/29/2009 2253
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	12/29/2009 2253
Cyclohexane	ND		1	0.50	0.30	ug/L	12/29/2009 2253
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	12/29/2009 2253
Dibromochloromethane	ND		1	0.50	0.17	ug/L	12/29/2009 2253
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	12/29/2009 2253
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2253
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2253
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2253
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	12/29/2009 2253
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	12/29/2009 2253
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	12/29/2009 2253
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	12/29/2009 2253
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	12/29/2009 2253
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	12/29/2009 2253
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	12/29/2009 2253
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	12/29/2009 2253
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	12/29/2009 2253
Ethylbenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2253
2-Hexanone	ND		1	10	0.27	ug/L	12/29/2009 2253
Isopropylbenzene	ND		1	0.50	0.029	ug/L	12/29/2009 2253
Methyl acetate	ND		1	1.0	0.30	ug/L	12/29/2009 2253
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	12/29/2009 2253
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	12/29/2009 2253
Methylcyclohexane	ND		1	5.0	0.95	ug/L	12/29/2009 2253
Methylene chloride	ND		1	0.50	0.17	ug/L	12/29/2009 2253
Styrene	ND		1	0.50	0.015	ug/L	12/29/2009 2253
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	12/29/2009 2253
Tetrachloroethene	ND		1	0.50	0.014	ug/L	12/29/2009 2253
Toluene	ND		1	0.50	0.17	ug/L	12/29/2009 2253
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	12/29/2009 2253
1,2,4-Trichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2253
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	12/29/2009 2253
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	12/29/2009 2253

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ25722-001

Matrix: Aqueous

Batch: 25722

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.024	ug/L	12/29/2009 2253
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	12/29/2009 2253
Vinyl chloride	ND		1	0.50	0.065	ug/L	12/29/2009 2253
Xylenes (total)	ND		1	0.50	0.17	ug/L	12/29/2009 2253
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		95	70-130				
1,2-Dichloroethane-d4		98	70-130				
Toluene-d8		99	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: LQ25722-002

Matrix: Aqueous

Batch: 25722

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	120		1	117	46-153	12/29/2009 2125
Benzene	50	50		1	99	70-130	12/29/2009 2125
Bromodichloromethane	50	52		1	105	70-130	12/29/2009 2125
Bromoform	50	40		1	80	70-130	12/29/2009 2125
Bromomethane (Methyl bromide)	50	55		1	109	60-140	12/29/2009 2125
2-Butanone (MEK)	100	110		1	109	60-140	12/29/2009 2125
Carbon disulfide	50	56		1	111	60-140	12/29/2009 2125
Carbon tetrachloride	50	52		1	104	70-130	12/29/2009 2125
Chlorobenzene	50	53		1	105	70-130	12/29/2009 2125
Chloroethane	50	54		1	108	42-163	12/29/2009 2125
Chloroform	50	50		1	101	70-130	12/29/2009 2125
Chloromethane (Methyl chloride)	50	49		1	98	20-158	12/29/2009 2125
Cyclohexane	50	56		1	112	70-130	12/29/2009 2125
1,2-Dibromo-3-chloropropane (DBCP)	50	55		1	110	70-130	12/29/2009 2125
Dibromochloromethane	50	54		1	108	70-130	12/29/2009 2125
1,2-Dibromoethane (EDB)	50	53		1	106	70-130	12/29/2009 2125
1,4-Dichlorobenzene	50	52		1	104	70-130	12/29/2009 2125
1,2-Dichlorobenzene	50	54		1	109	70-130	12/29/2009 2125
1,3-Dichlorobenzene	50	54		1	108	70-130	12/29/2009 2125
Dichlorodifluoromethane	50	48		1	96	60-140	12/29/2009 2125
1,2-Dichloroethane	50	50		1	101	70-130	12/29/2009 2125
1,1-Dichloroethane	50	50		1	100	70-130	12/29/2009 2125
cis-1,2-Dichloroethene	50	50		1	101	70-130	12/29/2009 2125
1,1-Dichloroethene	50	49		1	99	70-130	12/29/2009 2125
trans-1,2-Dichloroethene	50	51		1	102	70-130	12/29/2009 2125
1,2-Dichloropropane	50	51		1	103	70-130	12/29/2009 2125
cis-1,3-Dichloropropene	50	56		1	112	70-130	12/29/2009 2125
trans-1,3-Dichloropropene	50	48		1	96	70-130	12/29/2009 2125
Ethylbenzene	50	55		1	110	70-130	12/29/2009 2125
2-Hexanone	100	98		1	98	60-140	12/29/2009 2125
Isopropylbenzene	50	59		1	118	70-130	12/29/2009 2125
Methyl acetate	50	47		1	94	15-128	12/29/2009 2125
Methyl tertiary butyl ether (MTBE)	50	53		1	106	70-130	12/29/2009 2125
4-Methyl-2-pentanone	100	100		1	103	60-140	12/29/2009 2125
Methylcyclohexane	50	56		1	113	70-130	12/29/2009 2125
Methylene chloride	50	49		1	98	70-130	12/29/2009 2125
Styrene	50	58		1	117	70-130	12/29/2009 2125
1,1,2,2-Tetrachloroethane	50	53		1	106	70-130	12/29/2009 2125
Tetrachloroethene	50	53		1	105	70-130	12/29/2009 2125
Toluene	50	54		1	108	70-130	12/29/2009 2125
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	55		1	109	70-130	12/29/2009 2125
1,2,4-Trichlorobenzene	50	60		1	121	70-130	12/29/2009 2125
1,1,2-Trichloroethane	50	53		1	105	70-130	12/29/2009 2125
1,1,1-Trichloroethane	50	53		1	107	70-130	12/29/2009 2125

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: LQ25722-002

Matrix: Aqueous

Batch: 25722

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	51		1	103	70-130	12/29/2009 2125
Trichlorofluoromethane	50	49		1	98	60-140	12/29/2009 2125
Vinyl chloride	50	50		1	100	60-140	12/29/2009 2125
Xylenes (total)	100	110		1	112	70-130	12/29/2009 2125
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		95	70-130				
1,2-Dichloroethane-d4		94	70-130				
Toluene-d8		103	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ25722-003

Matrix: Aqueous

Batch: 25722

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	100		1	103	13	46-153	20	12/29/2009 2147
Benzene	50	45		1	90	9.6	70-130	20	12/29/2009 2147
Bromodichloromethane	50	48		1	96	8.7	70-130	20	12/29/2009 2147
Bromoform	50	36		1	72	10	70-130	20	12/29/2009 2147
Bromomethane (Methyl bromide)	50	49		1	98	10	60-140	20	12/29/2009 2147
2-Butanone (MEK)	100	99		1	99	9.3	60-140	20	12/29/2009 2147
Carbon disulfide	50	49		1	98	12	60-140	20	12/29/2009 2147
Carbon tetrachloride	50	46		1	92	12	70-130	20	12/29/2009 2147
Chlorobenzene	50	49		1	98	6.6	70-130	20	12/29/2009 2147
Chloroethane	50	49		1	97	11	42-163	20	12/29/2009 2147
Chloroform	50	45		1	91	10	70-130	20	12/29/2009 2147
Chloromethane (Methyl chloride)	50	44		1	88	11	20-158	20	12/29/2009 2147
Cyclohexane	50	50		1	100	11	70-130	20	12/29/2009 2147
1,2-Dibromo-3-chloropropane (DBCP)	50	47		1	94	15	70-130	20	12/29/2009 2147
Dibromochloromethane	50	49		1	97	10	70-130	20	12/29/2009 2147
1,2-Dibromoethane (EDB)	50	50		1	99	6.5	70-130	20	12/29/2009 2147
1,4-Dichlorobenzene	50	50		1	100	3.9	70-130	20	12/29/2009 2147
1,2-Dichlorobenzene	50	51		1	102	6.3	70-130	20	12/29/2009 2147
1,3-Dichlorobenzene	50	51		1	102	5.2	70-130	20	12/29/2009 2147
Dichlorodifluoromethane	50	43		1	86	10	60-140	20	12/29/2009 2147
1,2-Dichloroethane	50	47		1	94	7.2	70-130	20	12/29/2009 2147
1,1-Dichloroethane	50	44		1	88	13	70-130	20	12/29/2009 2147
cis-1,2-Dichloroethene	50	45		1	90	11	70-130	20	12/29/2009 2147
1,1-Dichloroethene	50	44		1	87	12	70-130	20	12/29/2009 2147
trans-1,2-Dichloroethene	50	45		1	91	12	70-130	20	12/29/2009 2147
1,2-Dichloropropane	50	48		1	96	7.3	70-130	20	12/29/2009 2147
cis-1,3-Dichloropropene	50	52		1	104	7.1	70-130	20	12/29/2009 2147
trans-1,3-Dichloropropene	50	45		1	90	6.6	70-130	20	12/29/2009 2147
Ethylbenzene	50	52		1	105	4.9	70-130	20	12/29/2009 2147
2-Hexanone	100	95		1	95	3.6	60-140	20	12/29/2009 2147
Isopropylbenzene	50	56		1	113	4.8	70-130	20	12/29/2009 2147
Methyl acetate	50	41		1	83	13	15-128	20	12/29/2009 2147
Methyl tertiary butyl ether (MTBE)	50	47		1	94	13	70-130	20	12/29/2009 2147
4-Methyl-2-pentanone	100	96		1	96	7.4	60-140	20	12/29/2009 2147
Methylcyclohexane	50	52		1	103	8.8	70-130	20	12/29/2009 2147
Methylene chloride	50	44		1	88	11	70-130	20	12/29/2009 2147
Styrene	50	55		1	111	5.4	70-130	20	12/29/2009 2147
1,1,2,2-Tetrachloroethane	50	50		1	99	6.3	70-130	20	12/29/2009 2147
Tetrachloroethene	50	49		1	98	7.2	70-130	20	12/29/2009 2147
Toluene	50	51		1	102	5.9	70-130	20	12/29/2009 2147
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	51		1	102	7.2	70-130	20	12/29/2009 2147
1,2,4-Trichlorobenzene	50	54		1	107	11	70-130	20	12/29/2009 2147
1,1,2-Trichloroethane	50	50		1	100	4.7	70-130	20	12/29/2009 2147
1,1,1-Trichloroethane	50	48		1	96	10	70-130	20	12/29/2009 2147

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ25722-003

Matrix: Aqueous

Batch: 25722

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	47		1	94	8.2	70-130	20	12/29/2009 2147
Trichlorofluoromethane	50	46		1	92	6.6	60-140	20	12/29/2009 2147
Vinyl chloride	50	45		1	90	11	60-140	20	12/29/2009 2147
Xylenes (total)	100	110		1	105	6.5	70-130	20	12/29/2009 2147
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		98	70-130						
1,2-Dichloroethane-d4		91	70-130						
Toluene-d8		103	70-130						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: KQ24263-001

Matrix: Aqueous

Batch: 24263

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 12/24/2009 2015

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
1,1'-Biphenyl	ND		1	1.0	0.20	ug/L	01/05/2010 2120
2,4,5-Trichlorophenol	ND		1	1.0	0.18	ug/L	01/05/2010 2120
2,4,6-Trichlorophenol	ND		1	1.0	0.22	ug/L	01/05/2010 2120
2,4-Dichlorophenol	ND		1	1.0	0.15	ug/L	01/05/2010 2120
2,4-Dimethylphenol	ND		1	1.0	0.31	ug/L	01/05/2010 2120
2,4-Dinitrophenol	ND		1	5.0	0.25	ug/L	01/05/2010 2120
2,4-Dinitrotoluene	ND		1	2.0	0.45	ug/L	01/05/2010 2120
2,6-Dinitrotoluene	ND		1	2.0	0.40	ug/L	01/05/2010 2120
2-Chloronaphthalene	ND		1	1.0	0.12	ug/L	01/05/2010 2120
2-Chlorophenol	ND		1	1.0	0.13	ug/L	01/05/2010 2120
2-Methylnaphthalene	ND		1	1.0	0.080	ug/L	01/05/2010 2120
2-Methylphenol	ND		1	1.0	0.17	ug/L	01/05/2010 2120
2-Nitroaniline	ND		1	2.0	0.55	ug/L	01/05/2010 2120
2-Nitrophenol	ND		1	2.0	0.27	ug/L	01/05/2010 2120
3 & 4-Methylphenol	ND		1	2.0	0.57	ug/L	01/05/2010 2120
3,3'-Dichlorobenzidine	ND		1	5.0	0.81	ug/L	01/05/2010 2120
3-Nitroaniline	ND		1	2.0	0.77	ug/L	01/05/2010 2120
4,6-Dinitro-2-methylphenol	ND		1	5.0	1.5	ug/L	01/05/2010 2120
4-Bromophenyl phenyl ether	ND		1	1.0	0.12	ug/L	01/05/2010 2120
4-Chloro-3-methyl phenol	ND		1	1.0	0.22	ug/L	01/05/2010 2120
4-Chloroaniline	ND		1	1.0	0.13	ug/L	01/05/2010 2120
4-Chlorophenyl phenyl ether	ND		1	1.0	0.11	ug/L	01/05/2010 2120
4-Nitroaniline	ND		1	2.0	0.39	ug/L	01/05/2010 2120
4-Nitrophenol	ND		1	5.0	0.64	ug/L	01/05/2010 2120
Acenaphthene	ND		1	1.0	0.090	ug/L	01/05/2010 2120
Acenaphthylene	ND		1	1.0	0.16	ug/L	01/05/2010 2120
Acetophenone	ND		1	1.0	0.32	ug/L	01/05/2010 2120
Anthracene	ND		1	1.0	0.13	ug/L	01/05/2010 2120
Atrazine	ND		1	1.0	0.20	ug/L	01/05/2010 2120
Benzaldehyde	ND		1	5.0	1.0	ug/L	01/05/2010 2120
Benzo(a)anthracene	ND		1	1.0	0.15	ug/L	01/05/2010 2120
Benzo(a)pyrene	ND		1	1.0	0.16	ug/L	01/05/2010 2120
Benzo(b)fluoranthene	ND		1	1.0	0.20	ug/L	01/05/2010 2120
Benzo(g,h,i)perylene	ND		1	1.0	0.23	ug/L	01/05/2010 2120
Benzo(k)fluoranthene	ND		1	1.0	0.12	ug/L	01/05/2010 2120
bis(2-Chloroethoxy)methane	ND		1	1.0	0.13	ug/L	01/05/2010 2120
bis(2-Chloroethyl)ether	ND		1	1.0	0.13	ug/L	01/05/2010 2120
bis(2-Chloroisopropyl)ether	ND		1	1.0	0.080	ug/L	01/05/2010 2120
bis(2-Ethylhexyl)phthalate	ND		1	5.0	1.7	ug/L	01/05/2010 2120
Butyl benzyl phthalate	ND		1	5.0	1.7	ug/L	01/05/2010 2120
Caprolactam	ND		1	5.0	1.2	ug/L	01/05/2010 2120
Carbazole	ND		1	1.0	0.25	ug/L	01/05/2010 2120
Chrysene	ND		1	1.0	0.12	ug/L	01/05/2010 2120
Di-n-butyl phthalate	ND		1	5.0	1.7	ug/L	01/05/2010 2120

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: KQ24263-001

Matrix: Aqueous

Batch: 24263

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 12/24/2009 2015

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Di-n-octylphthalate	ND		1	5.0	1.7	ug/L	01/05/2010 2120
Dibenzo(a,h)anthracene	ND		1	1.0	0.13	ug/L	01/05/2010 2120
Dibenzofuran	ND		1	1.0	0.16	ug/L	01/05/2010 2120
Diethylphthalate	ND		1	5.0	1.7	ug/L	01/05/2010 2120
Dimethyl phthalate	ND		1	5.0	1.7	ug/L	01/05/2010 2120
Fluoranthene	ND		1	1.0	0.21	ug/L	01/05/2010 2120
Fluorene	ND		1	1.0	0.10	ug/L	01/05/2010 2120
Hexachlorobenzene	ND		1	1.0	0.21	ug/L	01/05/2010 2120
Hexachlorobutadiene	ND		1	1.0	0.090	ug/L	01/05/2010 2120
Hexachlorocyclopentadiene	ND		1	5.0	0.23	ug/L	01/05/2010 2120
Hexachloroethane	ND		1	1.0	0.11	ug/L	01/05/2010 2120
Indeno(1,2,3-c,d)pyrene	ND		1	1.0	0.23	ug/L	01/05/2010 2120
Isophorone	ND		1	1.0	0.080	ug/L	01/05/2010 2120
N-Nitrosodi-n-propylamine	ND		1	1.0	0.080	ug/L	01/05/2010 2120
N-Nitrosodiphenylamine (Diphenylamine)	ND		1	1.0	0.38	ug/L	01/05/2010 2120
Naphthalene	ND		1	1.0	0.070	ug/L	01/05/2010 2120
Nitrobenzene	ND		1	1.0	0.10	ug/L	01/05/2010 2120
Pentachlorophenol	ND		1	5.0	0.54	ug/L	01/05/2010 2120
Phenanthrene	ND		1	1.0	0.18	ug/L	01/05/2010 2120
Phenol	ND		1	1.0	0.11	ug/L	01/05/2010 2120
Pyrene	ND		1	1.0	0.16	ug/L	01/05/2010 2120
Surrogate	Q	% Rec	Acceptance Limit				
2,4,6-Tribromophenol		62	41-144				
2-Fluorobiphenyl		59	37-129				
2-Fluorophenol		57	24-127				
Nitrobenzene-d5		64	38-127				
Phenol-d5		57	28-128				
Terphenyl-d14		55	10-148				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: KQ24263-002

Matrix: Aqueous

Batch: 24263

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 12/24/2009 2015

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
2,4,5-Trichlorophenol	20	12		1	59	46-125	01/05/2010 2140
2,4,6-Trichlorophenol	20	12		1	59	36-123	01/05/2010 2140
2,4-Dichlorophenol	20	12		1	59	38-127	01/05/2010 2140
2,4-Dimethylphenol	20	10		1	50	36-110	01/05/2010 2140
2,4-Dinitrophenol	100	57		1	57	33-143	01/05/2010 2140
2,4-Dinitrotoluene	40	23		1	57	55-137	01/05/2010 2140
2,6-Dinitrotoluene	40	24		1	59	53-128	01/05/2010 2140
2-Chloronaphthalene	20	10		1	51	42-132	01/05/2010 2140
2-Chlorophenol	20	12		1	59	40-128	01/05/2010 2140
2-Methylnaphthalene	20	11		1	55	49-122	01/05/2010 2140
2-Methylphenol	20	9.0		1	45	33-122	01/05/2010 2140
2-Nitroaniline	40	23		1	59	48-126	01/05/2010 2140
2-Nitrophenol	40	23		1	58	44-131	01/05/2010 2140
3 & 4-Methylphenol	40	20		1	51	48-112	01/05/2010 2140
3-Nitroaniline	40	18		1	46	29-109	01/05/2010 2140
4,6-Dinitro-2-methylphenol	100	61		1	61	46-151	01/05/2010 2140
4-Bromophenyl phenyl ether	20	12		1	61	49-123	01/05/2010 2140
4-Chloro-3-methyl phenol	20	12		1	61	48-136	01/05/2010 2140
4-Chloroaniline	20	4.3		1	22	18-73	01/05/2010 2140
4-Chlorophenyl phenyl ether	20	12		1	61	34-124	01/05/2010 2140
4-Nitroaniline	40	22		1	56	42-154	01/05/2010 2140
4-Nitrophenol	100	62		1	62	43-145	01/05/2010 2140
Acenaphthene	20	12		1	59	51-130	01/05/2010 2140
Acenaphthylene	20	11		1	56	46-131	01/05/2010 2140
Anthracene	20	11		1	57	48-122	01/05/2010 2140
Benzo(a)anthracene	20	12		1	60	50-143	01/05/2010 2140
Benzo(a)pyrene	20	14		1	68	55-141	01/05/2010 2140
Benzo(b)fluoranthene	20	13		1	64	48-147	01/05/2010 2140
Benzo(g,h,i)perylene	20	12		1	60	48-139	01/05/2010 2140
Benzo(k)fluoranthene	20	12		1	59	48-148	01/05/2010 2140
bis(2-Chloroethoxy)methane	20	11		1	57	46-130	01/05/2010 2140
bis(2-Chloroethyl)ether	20	12		1	59	42-127	01/05/2010 2140
bis(2-Chloroisopropyl)ether	20	11		1	55	36-133	01/05/2010 2140
bis(2-Ethylhexyl)phthalate	20	13		1	64	40-141	01/05/2010 2140
Butyl benzyl phthalate	20	12		1	60	52-142	01/05/2010 2140
Carbazole	20	13		1	63	45-101	01/05/2010 2140
Chrysene	20	12		1	60	51-137	01/05/2010 2140
Di-n-butyl phthalate	20	13		1	64	50-134	01/05/2010 2140
Di-n-octylphthalate	20	12		1	61	50-136	01/05/2010 2140
Dibenzo(a,h)anthracene	20	12		1	60	48-139	01/05/2010 2140
Dibenzofuran	20	12		1	58	45-142	01/05/2010 2140
Diethylphthalate	20	12		1	62	48-124	01/05/2010 2140
Dimethyl phthalate	20	12		1	62	43-122	01/05/2010 2140
Fluoranthene	20	12		1	60	50-124	01/05/2010 2140

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: KQ24263-002

Matrix: Aqueous

Batch: 24263

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 12/24/2009 2015

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Fluorene	20	12		1	60	39-122	01/05/2010 2140
Hexachlorobenzene	20	12		1	59	46-125	01/05/2010 2140
Hexachlorobutadiene	20	11		1	57	38-121	01/05/2010 2140
Hexachlorocyclopentadiene	100	48		1	48	24-110	01/05/2010 2140
Hexachloroethane	20	12		1	58	32-109	01/05/2010 2140
Indeno(1,2,3-c,d)pyrene	20	12		1	60	49-146	01/05/2010 2140
Isophorone	20	12		1	62	43-118	01/05/2010 2140
N-Nitrosodi-n-propylamine	20	11		1	57	46-135	01/05/2010 2140
N-Nitrosodiphenylamine (Diphenylamine)	20	14		1	68	44-124	01/05/2010 2140
Naphthalene	20	11		1	56	45-118	01/05/2010 2140
Nitrobenzene	20	12		1	59	46-131	01/05/2010 2140
Pentachlorophenol	100	52		1	52	30-137	01/05/2010 2140
Phenanthrene	20	12		1	59	49-122	01/05/2010 2140
Phenol	20	9.8		1	49	35-118	01/05/2010 2140
Pyrene	20	12		1	61	50-130	01/05/2010 2140
Surrogate	Q	% Rec	Acceptance Limit				
2,4,6-Tribromophenol		69	41-144				
2-Fluorobiphenyl		62	37-129				
2-Fluorophenol		55	24-127				
Nitrobenzene-d5		65	38-127				
Phenol-d5		57	28-128				
Terphenyl-d14		55	10-148				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MS

Sample ID: KL18009-007MS

Matrix: Aqueous

Batch: 24263

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 12/24/2009 2015

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acenaphthene	ND	50	11		1	21	10-133	01/05/2010 2338
Acenaphthylene	ND	50	10	N	1	20	34-128	01/05/2010 2338
Anthracene	ND	50	11	N	1	21	48-122	01/05/2010 2338
Benzo(a)anthracene	ND	50	12	N	1	24	53-98	01/05/2010 2338
Benzo(a)pyrene	ND	50	13		1	26	11-160	01/05/2010 2338
Benzo(b)fluoranthene	ND	50	12		1	25	10-165	01/05/2010 2338
Benzo(g,h,i)perylene	ND	50	12	N	1	25	42-111	01/05/2010 2338
Benzo(k)fluoranthene	ND	50	13		1	26	13-175	01/05/2010 2338
4-Bromophenyl phenyl ether	ND	50	11	N	1	23	49-123	01/05/2010 2338
Butyl benzyl phthalate	ND	50	12	N	1	25	52-142	01/05/2010 2338
Carbazole	ND	50	11	N	1	22	45-101	01/05/2010 2338
4-Chloro-3-methyl phenol	ND	50	13	N	1	26	40-98	01/05/2010 2338
4-Chloroaniline	ND	50	1.7	N	1	3.4	10-98	01/05/2010 2338
bis(2-Chloroethoxy)methane	ND	50	10	N	1	21	43-93	01/05/2010 2338
bis(2-Chloroethyl)ether	ND	50	10	N	1	20	41-88	01/05/2010 2338
bis(2-Chloroisopropyl)ether	ND	50	9.7	N	1	19	36-99	01/05/2010 2338
2-Chloronaphthalene	ND	50	11	N	1	22	40-89	01/05/2010 2338
2-Chlorophenol	ND	50	10	N	1	21	33-92	01/05/2010 2338
4-Chlorophenyl phenyl ether	ND	50	11	N	1	23	34-124	01/05/2010 2338
Chrysene	ND	50	12	N	1	24	51-107	01/05/2010 2338
Dibenzo(a,h)anthracene	ND	50	13	N	1	25	47-116	01/05/2010 2338
Dibenzofuran	ND	50	11	N	1	22	45-94	01/05/2010 2338
2,4-Dichlorophenol	ND	50	11	N	1	22	34-105	01/05/2010 2338
Diethylphthalate	ND	50	13	N	1	25	48-124	01/05/2010 2338
Dimethyl phthalate	ND	50	12	N	1	25	43-122	01/05/2010 2338
2,4-Dimethylphenol	ND	50	10	N	1	20	33-77	01/05/2010 2338
Di-n-butyl phthalate	ND	50	13	N	1	25	50-134	01/05/2010 2338
4,6-Dinitro-2-methylphenol	ND	250	68	N	1	27	33-118	01/05/2010 2338
2,4-Dinitrophenol	ND	250	57		1	23	19-119	01/05/2010 2338
2,4-Dinitrotoluene	ND	100	25	N	1	25	50-104	01/05/2010 2338
2,6-Dinitrotoluene	ND	100	25	N	1	25	53-128	01/05/2010 2338
Di-n-octylphthalate	ND	50	12	N	1	24	40-112	01/05/2010 2338
bis(2-Ethylhexyl)phthalate	ND	50	11		1	21	10-142	01/05/2010 2338
Fluoranthene	ND	50	12	N	1	23	50-124	01/05/2010 2338
Fluorene	ND	50	12	N	1	24	39-122	01/05/2010 2338
Hexachlorobenzene	ND	50	11	N	1	22	46-125	01/05/2010 2338
Hexachlorobutadiene	ND	50	10	N	1	20	42-94	01/05/2010 2338
Hexachlorocyclopentadiene	ND	250	41		1	16	14-89	01/05/2010 2338
Hexachloroethane	ND	50	9.4	N	1	19	39-86	01/05/2010 2338
Indeno(1,2,3-c,d)pyrene	ND	50	12	N	1	25	43-113	01/05/2010 2338
Isophorone	ND	50	11	N	1	22	42-84	01/05/2010 2338
2-Methylnaphthalene	ND	50	9.9	N	1	20	46-90	01/05/2010 2338
2-Methylphenol	ND	50	12	N	1	25	33-122	01/05/2010 2338
3 & 4-Methylphenol	ND	100	18	N	1	18	24-97	01/05/2010 2338

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MS

Sample ID: KL18009-007MS

Matrix: Aqueous

Batch: 24263

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 12/24/2009 2015

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Naphthalene	ND	50	10	N	1	20	46-89	01/05/2010 2338
2-Nitroaniline	ND	100	20	N	1	20	48-126	01/05/2010 2338
3-Nitroaniline	ND	100	11		1	11	10-110	01/05/2010 2338
4-Nitroaniline	ND	100	14	N	1	14	41-99	01/05/2010 2338
Nitrobenzene	ND	50	13	N	1	27	44-91	01/05/2010 2338
2-Nitrophenol	ND	100	20	N	1	20	34-102	01/05/2010 2338
4-Nitrophenol	ND	250	65	N	1	26	29-122	01/05/2010 2338
N-Nitrosodi-n-propylamine	ND	50	10	N	1	20	41-96	01/05/2010 2338
N-Nitrosodiphenylamine (Diphenylamine)	ND	50	12		1	24	10-150	01/05/2010 2338
Pentachlorophenol	ND	250	58	N	1	23	32-110	01/05/2010 2338
Phenanthrene	ND	50	12	N	1	24	49-122	01/05/2010 2338
Phenol	ND	50	9.3	N	1	19	33-92	01/05/2010 2338
Pyrene	ND	50	12	N	1	25	50-130	01/05/2010 2338
2,4,5-Trichlorophenol	ND	50	12	N	1	24	46-125	01/05/2010 2338
2,4,6-Trichlorophenol	ND	50	12	N	1	23	36-123	01/05/2010 2338
Surrogate	Q	% Rec	Acceptance Limit					
2-Fluorobiphenyl		56	37-129					
2-Fluorophenol		49	24-127					
Nitrobenzene-d5		60	38-127					
Phenol-d5		52	28-128					
Terphenyl-d14		55	10-148					
2,4,6-Tribromophenol		70	41-144					

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MSD

Sample ID: KL18009-007MD

Matrix: Aqueous

Batch: 24263

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 12/24/2009 2015

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acenaphthene	ND	50	13		1	25	16	10-133	40	01/05/2010 2358
Acenaphthylene	ND	50	6.0	N,+	1	12	50	34-128	40	01/05/2010 2358
Anthracene	ND	50	8.6	N	1	17	21	48-122	40	01/05/2010 2358
Benzo(a)anthracene	ND	50	7.6	N,+	1	15	44	53-98	40	01/05/2010 2358
Benzo(a)pyrene	ND	50	32	+	1	63	83	11-160	40	01/05/2010 2358
Benzo(b)fluoranthene	ND	50	86	N,+	1	172	150	10-165	40	01/05/2010 2358
Benzo(g,h,i)perylene	ND	50	24	+	1	49	65	42-111	40	01/05/2010 2358
Benzo(k)fluoranthene	ND	50	59	+	1	118	130	13-175	40	01/05/2010 2358
4-Bromophenyl phenyl ether	ND	50	12	N	1	24	6.4	49-123	40	01/05/2010 2358
Butyl benzyl phthalate	ND	50	3.0	N,+	1	5.9	120	52-142	40	01/05/2010 2358
Carbazole	ND	50	0.81	N,+	1	1.6	170	45-101	40	01/05/2010 2358
4-Chloro-3-methyl phenol	ND	50	13	N	1	26	1.8	40-98	40	01/05/2010 2358
4-Chloroaniline	ND	50	ND	N,+	1	0.00	200	10-98	40	01/05/2010 2358
bis(2-Chloroethoxy)methane	ND	50	2.9	N,+	1	5.8	110	43-93	40	01/05/2010 2358
bis(2-Chloroethyl)ether	ND	50	12	N	1	25	20	41-88	40	01/05/2010 2358
bis(2-Chloroisopropyl)ether	ND	50	12	N	1	23	17	36-99	40	01/05/2010 2358
2-Chloronaphthalene	ND	50	ND	N,+	1	0.00	200	40-89	40	01/05/2010 2358
2-Chlorophenol	ND	50	12	N	1	24	17	33-92	40	01/05/2010 2358
4-Chlorophenyl phenyl ether	ND	50	15	N	1	31	30	34-124	40	01/05/2010 2358
Chrysene	ND	50	7.9	N,+	1	16	42	51-107	40	01/05/2010 2358
Dibenzo(a,h)anthracene	ND	50	45	+	1	90	110	47-116	40	01/05/2010 2358
Dibenzofuran	ND	50	15	N	1	31	34	45-94	40	01/05/2010 2358
2,4-Dichlorophenol	ND	50	13	N	1	25	13	34-105	40	01/05/2010 2358
Diethylphthalate	ND	50	16	N	1	32	23	48-124	40	01/05/2010 2358
Dimethyl phthalate	ND	50	16	N	1	33	29	43-122	40	01/05/2010 2358
2,4-Dimethylphenol	ND	50	11	N	1	22	6.5	33-77	40	01/05/2010 2358
Di-n-butyl phthalate	ND	50	10	N	1	21	19	50-134	40	01/05/2010 2358
4,6-Dinitro-2-methylphenol	ND	250	84		1	34	22	33-118	40	01/05/2010 2358
2,4-Dinitrophenol	ND	250	75		1	30	26	19-119	40	01/05/2010 2358
2,4-Dinitrotoluene	ND	100	ND	N,+	1	0.00	200	50-104	40	01/05/2010 2358
2,6-Dinitrotoluene	ND	100	35	N	1	35	33	53-128	40	01/05/2010 2358
Di-n-octylphthalate	ND	50	51	+	1	101	120	40-112	40	01/05/2010 2358
bis(2-Ethylhexyl)phthalate	ND	50	4.1	N,+	1	8.1	90	10-142	40	01/05/2010 2358
Fluoranthene	ND	50	11	N	1	21	9.7	50-124	40	01/05/2010 2358
Fluorene	ND	50	16	N	1	32	31	39-122	40	01/05/2010 2358
Hexachlorobenzene	ND	50	10	N	1	21	7.1	46-125	40	01/05/2010 2358
Hexachlorobutadiene	ND	50	9.4	N	1	19	5.8	42-94	40	01/05/2010 2358
Hexachlorocyclopentadiene	ND	250	53		1	21	26	14-89	40	01/05/2010 2358
Hexachloroethane	ND	50	11	N	1	22	14	39-86	40	01/05/2010 2358
Indeno(1,2,3-c,d)pyrene	ND	50	32	+	1	65	89	43-113	40	01/05/2010 2358
Isophorone	ND	50	13	N	1	26	14	42-84	40	01/05/2010 2358
2-Methylnaphthalene	ND	50	11	N	1	23	14	46-90	40	01/05/2010 2358
2-Methylphenol	ND	50	8.6	N	1	17	36	33-122	40	01/05/2010 2358
3 & 4-Methylphenol	ND	100	18	N	1	18	0.11	24-97	40	01/05/2010 2358

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MSD

Sample ID: KL18009-007MD

Matrix: Aqueous

Batch: 24263

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 12/24/2009 2015

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Naphthalene	ND	50	12	N	1	23	15	46-89	40	01/05/2010 2358
2-Nitroaniline	ND	100	9.4	N,+	1	9.4	70	48-126	40	01/05/2010 2358
3-Nitroaniline	ND	100	ND	N,+	1	0.00	200	10-110	40	01/05/2010 2358
4-Nitroaniline	ND	100	ND	N,+	1	0.00	200	41-99	40	01/05/2010 2358
Nitrobenzene	ND	50	14	N	1	27	3.6	44-91	40	01/05/2010 2358
2-Nitrophenol	ND	100	25	N	1	25	18	34-102	40	01/05/2010 2358
4-Nitrophenol	ND	250	82		1	33	23	29-122	40	01/05/2010 2358
N-Nitrosodi-n-propylamine	ND	50	11	N	1	23	13	41-96	40	01/05/2010 2358
N-Nitrosodiphenylamine (Diphenylamine)	ND	50	0.64	N,+	1	1.3	180	10-150	40	01/05/2010 2358
Pentachlorophenol	ND	250	58	N	1	23	0.086	32-110	40	01/05/2010 2358
Phenanthrene	ND	50	12	N	1	24	0.80	49-122	40	01/05/2010 2358
Phenol	ND	50	10	N	1	20	7.2	33-92	40	01/05/2010 2358
Pyrene	ND	50	8.1	N,+	1	16	41	50-130	40	01/05/2010 2358
2,4,5-Trichlorophenol	ND	50	16	N	1	32	30	46-125	40	01/05/2010 2358
2,4,6-Trichlorophenol	ND	50	16	N	1	32	32	36-123	40	01/05/2010 2358
Surrogate	Q	% Rec	Acceptance Limit							
2-Fluorobiphenyl		74	37-129							
2-Fluorophenol		55	24-127							
Nitrobenzene-d5		63	38-127							
Phenol-d5		46	28-128							
Terphenyl-d14		31	10-148							
2,4,6-Tribromophenol		64	41-144							

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: LQ25714-001

Batch: 25714

Analytical Method: 8270D

Matrix: Aqueous

Prep Method: 3520C

Prep Date: 12/24/2009 2015

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
1,1'-Biphenyl	ND		1	1.0	0.20	ug/L	01/05/2010 2120
2,4,5-Trichlorophenol	ND		1	1.0	0.18	ug/L	01/05/2010 2120
2,4,6-Trichlorophenol	ND		1	1.0	0.22	ug/L	01/05/2010 2120
2,4-Dichlorophenol	ND		1	1.0	0.15	ug/L	01/05/2010 2120
2,4-Dimethylphenol	ND		1	1.0	0.31	ug/L	01/05/2010 2120
2,4-Dinitrophenol	ND		1	5.0	0.25	ug/L	01/05/2010 2120
2,4-Dinitrotoluene	ND		1	2.0	0.45	ug/L	01/05/2010 2120
2,6-Dinitrotoluene	ND		1	2.0	0.40	ug/L	01/05/2010 2120
2-Chloronaphthalene	ND		1	1.0	0.12	ug/L	01/05/2010 2120
2-Chlorophenol	ND		1	1.0	0.13	ug/L	01/05/2010 2120
2-Methylnaphthalene	ND		1	1.0	0.080	ug/L	01/05/2010 2120
2-Methylphenol	ND		1	1.0	0.17	ug/L	01/05/2010 2120
2-Nitroaniline	ND		1	2.0	0.55	ug/L	01/05/2010 2120
2-Nitrophenol	ND		1	2.0	0.27	ug/L	01/05/2010 2120
3 & 4-Methylphenol	ND		1	2.0	0.57	ug/L	01/05/2010 2120
3,3'-Dichlorobenzidine	ND		1	5.0	0.81	ug/L	01/05/2010 2120
3-Nitroaniline	ND		1	2.0	0.77	ug/L	01/05/2010 2120
4,6-Dinitro-2-methylphenol	ND		1	5.0	1.5	ug/L	01/05/2010 2120
4-Bromophenyl phenyl ether	ND		1	1.0	0.12	ug/L	01/05/2010 2120
4-Chloro-3-methyl phenol	ND		1	1.0	0.22	ug/L	01/05/2010 2120
4-Chloroaniline	ND		1	1.0	0.13	ug/L	01/05/2010 2120
4-Chlorophenyl phenyl ether	ND		1	1.0	0.11	ug/L	01/05/2010 2120
4-Nitroaniline	ND		1	2.0	0.39	ug/L	01/05/2010 2120
4-Nitrophenol	ND		1	5.0	0.64	ug/L	01/05/2010 2120
Acenaphthene	ND		1	1.0	0.090	ug/L	01/05/2010 2120
Acenaphthylene	ND		1	1.0	0.16	ug/L	01/05/2010 2120
Acetophenone	ND		1	1.0	0.32	ug/L	01/05/2010 2120
Anthracene	ND		1	1.0	0.13	ug/L	01/05/2010 2120
Atrazine	ND		1	1.0	0.20	ug/L	01/05/2010 2120
Benzaldehyde	ND		1	5.0	1.0	ug/L	01/05/2010 2120
Benzo(a)anthracene	ND		1	1.0	0.15	ug/L	01/05/2010 2120
Benzo(a)pyrene	ND		1	1.0	0.16	ug/L	01/05/2010 2120
Benzo(b)fluoranthene	ND		1	1.0	0.20	ug/L	01/05/2010 2120
Benzo(g,h,i)perylene	ND		1	1.0	0.23	ug/L	01/05/2010 2120
Benzo(k)fluoranthene	ND		1	1.0	0.12	ug/L	01/05/2010 2120
bis(2-Chloroethoxy)methane	ND		1	1.0	0.13	ug/L	01/05/2010 2120
bis(2-Chloroethyl)ether	ND		1	1.0	0.13	ug/L	01/05/2010 2120
bis(2-Chloroisopropyl)ether	ND		1	1.0	0.080	ug/L	01/05/2010 2120
bis(2-Ethylhexyl)phthalate	ND		1	5.0	1.7	ug/L	01/05/2010 2120
Butyl benzyl phthalate	ND		1	5.0	1.7	ug/L	01/05/2010 2120
Caprolactam	ND		1	5.0	1.2	ug/L	01/05/2010 2120
Carbazole	ND		1	1.0	0.25	ug/L	01/05/2010 2120
Chrysene	ND		1	1.0	0.12	ug/L	01/05/2010 2120
Di-n-butyl phthalate	ND		1	5.0	1.7	ug/L	01/05/2010 2120

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: LQ25714-001

Batch: 25714

Analytical Method: 8270D

Matrix: Aqueous

Prep Method: 3520C

Prep Date: 12/24/2009 2015

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Di-n-octylphthalate	ND		1	5.0	1.7	ug/L	01/05/2010 2120
Dibenzo(a,h)anthracene	ND		1	1.0	0.13	ug/L	01/05/2010 2120
Dibenzofuran	ND		1	1.0	0.16	ug/L	01/05/2010 2120
Diethylphthalate	ND		1	5.0	1.7	ug/L	01/05/2010 2120
Dimethyl phthalate	ND		1	5.0	1.7	ug/L	01/05/2010 2120
Fluoranthene	ND		1	1.0	0.21	ug/L	01/05/2010 2120
Fluorene	ND		1	1.0	0.10	ug/L	01/05/2010 2120
Hexachlorobenzene	ND		1	1.0	0.21	ug/L	01/05/2010 2120
Hexachlorobutadiene	ND		1	1.0	0.090	ug/L	01/05/2010 2120
Hexachlorocyclopentadiene	ND		1	5.0	0.23	ug/L	01/05/2010 2120
Hexachloroethane	ND		1	1.0	0.11	ug/L	01/05/2010 2120
Indeno(1,2,3-c,d)pyrene	ND		1	1.0	0.23	ug/L	01/05/2010 2120
Isophorone	ND		1	1.0	0.080	ug/L	01/05/2010 2120
N-Nitrosodi-n-propylamine	ND		1	1.0	0.080	ug/L	01/05/2010 2120
N-Nitrosodiphenylamine (Diphenylamine)	ND		1	1.0	0.38	ug/L	01/05/2010 2120
Naphthalene	ND		1	1.0	0.070	ug/L	01/05/2010 2120
Nitrobenzene	ND		1	1.0	0.10	ug/L	01/05/2010 2120
Pentachlorophenol	ND		1	5.0	0.54	ug/L	01/05/2010 2120
Phenanthrene	ND		1	1.0	0.18	ug/L	01/05/2010 2120
Phenol	ND		1	1.0	0.11	ug/L	01/05/2010 2120
Pyrene	ND		1	1.0	0.16	ug/L	01/05/2010 2120

Surrogate	Q	% Rec	Acceptance Limit
2,4,6-Tribromophenol		62	41-144
2-Fluorobiphenyl		59	37-129
2-Fluorophenol		57	24-127
Nitrobenzene-d5		64	38-127
Phenol-d5		57	28-128
Terphenyl-d14		55	10-148

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: LQ25714-002

Matrix: Aqueous

Batch: 25714

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 12/24/2009 2015

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
2,4,5-Trichlorophenol	20	12		1	59	46-125	01/05/2010 2140
2,4,6-Trichlorophenol	20	12		1	59	36-123	01/05/2010 2140
2,4-Dichlorophenol	20	12		1	59	38-127	01/05/2010 2140
2,4-Dimethylphenol	20	10		1	50	36-110	01/05/2010 2140
2,4-Dinitrophenol	100	57		1	57	33-143	01/05/2010 2140
2,4-Dinitrotoluene	40	23		1	57	55-137	01/05/2010 2140
2,6-Dinitrotoluene	40	24		1	59	53-128	01/05/2010 2140
2-Chloronaphthalene	20	10		1	51	42-132	01/05/2010 2140
2-Chlorophenol	20	12		1	59	40-128	01/05/2010 2140
2-Methylnaphthalene	20	11		1	55	49-122	01/05/2010 2140
2-Methylphenol	20	9.0		1	45	33-122	01/05/2010 2140
2-Nitroaniline	40	23		1	59	48-126	01/05/2010 2140
2-Nitrophenol	40	23		1	58	44-131	01/05/2010 2140
3 & 4-Methylphenol	40	20		1	51	48-112	01/05/2010 2140
3-Nitroaniline	40	18		1	46	29-109	01/05/2010 2140
4,6-Dinitro-2-methylphenol	100	61		1	61	46-151	01/05/2010 2140
4-Bromophenyl phenyl ether	20	12		1	61	49-123	01/05/2010 2140
4-Chloro-3-methyl phenol	20	12		1	61	48-136	01/05/2010 2140
4-Chloroaniline	20	4.3		1	22	18-73	01/05/2010 2140
4-Chlorophenyl phenyl ether	20	12		1	61	34-124	01/05/2010 2140
4-Nitroaniline	40	22		1	56	42-154	01/05/2010 2140
4-Nitrophenol	100	62		1	62	43-145	01/05/2010 2140
Acenaphthene	20	12		1	59	51-130	01/05/2010 2140
Acenaphthylene	20	11		1	56	46-131	01/05/2010 2140
Anthracene	20	11		1	57	48-122	01/05/2010 2140
Benzo(a)anthracene	20	12		1	60	50-143	01/05/2010 2140
Benzo(a)pyrene	20	14		1	68	55-141	01/05/2010 2140
Benzo(b)fluoranthene	20	13		1	64	48-147	01/05/2010 2140
Benzo(g,h,i)perylene	20	12		1	60	48-139	01/05/2010 2140
Benzo(k)fluoranthene	20	12		1	59	48-148	01/05/2010 2140
bis(2-Chloroethoxy)methane	20	11		1	57	46-130	01/05/2010 2140
bis(2-Chloroethyl)ether	20	12		1	59	42-127	01/05/2010 2140
bis(2-Chloroisopropyl)ether	20	11		1	55	36-133	01/05/2010 2140
bis(2-Ethylhexyl)phthalate	20	13		1	64	40-141	01/05/2010 2140
Butyl benzyl phthalate	20	12		1	60	52-142	01/05/2010 2140
Carbazole	20	13		1	63	45-101	01/05/2010 2140
Chrysene	20	12		1	60	51-137	01/05/2010 2140
Di-n-butyl phthalate	20	13		1	64	50-134	01/05/2010 2140
Di-n-octylphthalate	20	12		1	61	50-136	01/05/2010 2140
Dibenzo(a,h)anthracene	20	12		1	60	48-139	01/05/2010 2140
Dibenzofuran	20	12		1	58	45-142	01/05/2010 2140
Diethylphthalate	20	12		1	62	48-124	01/05/2010 2140
Dimethyl phthalate	20	12		1	62	43-122	01/05/2010 2140
Fluoranthene	20	12		1	60	50-124	01/05/2010 2140

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: LQ25714-002

Matrix: Aqueous

Batch: 25714

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 12/24/2009 2015

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Fluorene	20	12		1	60	39-122	01/05/2010 2140
Hexachlorobenzene	20	12		1	59	46-125	01/05/2010 2140
Hexachlorobutadiene	20	11		1	57	38-121	01/05/2010 2140
Hexachlorocyclopentadiene	100	48		1	48	24-110	01/05/2010 2140
Hexachloroethane	20	12		1	58	32-109	01/05/2010 2140
Indeno(1,2,3-c,d)pyrene	20	12		1	60	49-146	01/05/2010 2140
Isophorone	20	12		1	62	43-118	01/05/2010 2140
N-Nitrosodi-n-propylamine	20	11		1	57	46-135	01/05/2010 2140
N-Nitrosodiphenylamine (Diphenylamine)	20	14		1	68	44-124	01/05/2010 2140
Naphthalene	20	11		1	56	45-118	01/05/2010 2140
Nitrobenzene	20	12		1	59	46-131	01/05/2010 2140
Pentachlorophenol	100	52		1	52	30-137	01/05/2010 2140
Phenanthrene	20	12		1	59	49-122	01/05/2010 2140
Phenol	20	9.8		1	49	35-118	01/05/2010 2140
Pyrene	20	12		1	61	50-130	01/05/2010 2140
Surrogate	Q	% Rec	Acceptance Limit				
2,4,6-Tribromophenol		69	41-144				
2-Fluorobiphenyl		62	37-129				
2-Fluorophenol		55	24-127				
Nitrobenzene-d5		65	38-127				
Phenol-d5		57	28-128				
Terphenyl-d14		55	10-148				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - MB

Sample ID: KQ24180-001

Matrix: Aqueous

Batch: 24180

Prep Method: 3520C

Analytical Method: 8081B

Prep Date: 12/23/2009 1413

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
4,4'-DDD	ND		1	0.025	0.0060	ug/L	12/31/2009 2341
4,4'-DDE	ND		1	0.025	0.0060	ug/L	12/31/2009 2341
4,4'-DDT	ND		1	0.025	0.0030	ug/L	12/31/2009 2341
Aldrin	ND		1	0.025	0.0020	ug/L	12/31/2009 2341
alpha-BHC	ND		1	0.025	0.0030	ug/L	12/31/2009 2341
alpha-Chlordane	ND		1	0.025	0.0030	ug/L	12/31/2009 2341
beta-BHC	ND		1	0.025	0.019	ug/L	12/31/2009 2341
delta-BHC	ND		1	0.025	0.0080	ug/L	12/31/2009 2341
Dieldrin	ND		1	0.025	0.0040	ug/L	12/31/2009 2341
Endosulfan I	ND		1	0.025	0.0060	ug/L	12/31/2009 2341
Endosulfan II	ND		1	0.025	0.024	ug/L	12/31/2009 2341
Endosulfan sulfate	ND		1	0.025	0.0030	ug/L	12/31/2009 2341
Endrin	ND		1	0.025	0.0050	ug/L	12/31/2009 2341
Endrin aldehyde	ND		1	0.025	0.0030	ug/L	12/31/2009 2341
Endrin ketone	ND		1	0.025	0.0040	ug/L	12/31/2009 2341
gamma-BHC (Lindane)	ND		1	0.025	0.0050	ug/L	12/31/2009 2341
gamma-Chlordane	ND		1	0.025	0.0030	ug/L	12/31/2009 2341
Heptachlor	ND		1	0.025	0.020	ug/L	12/31/2009 2341
Heptachlor epoxide	ND		1	0.025	0.0030	ug/L	12/31/2009 2341
Methoxychlor	ND		1	0.10	0.014	ug/L	12/31/2009 2341
Toxaphene	ND		1	0.25	0.030	ug/L	12/31/2009 2341
Surrogate	Q	% Rec	Acceptance Limit				
Decachlorobiphenyl		62	20-131				
Tetrachloro-m-xylene		86	26-132				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - LCS

Sample ID: KQ24180-002

Matrix: Aqueous

Batch: 24180

Prep Method: 3520C

Analytical Method: 8081B

Prep Date: 12/23/2009 1413

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
4,4'-DDD	0.50	0.45		1	91	70-130	01/01/2010 0001
4,4'-DDE	0.50	0.43		1	86	70-130	01/01/2010 0001
4,4'-DDT	0.50	0.42		1	84	70-130	01/01/2010 0001
Aldrin	0.50	0.42		1	83	70-130	01/01/2010 0001
alpha-BHC	0.50	0.42		1	84	70-130	01/01/2010 0001
beta-BHC	0.50	0.39		1	78	70-130	01/01/2010 0001
delta-BHC	0.50	0.44		1	87	70-130	01/01/2010 0001
Dieldrin	0.50	0.45		1	90	70-130	01/01/2010 0001
Endosulfan I	0.50	0.42		1	85	70-130	01/01/2010 0001
Endosulfan II	0.50	0.45		1	90	70-130	01/01/2010 0001
Endosulfan sulfate	0.50	0.46		1	92	70-130	01/01/2010 0001
Endrin	0.50	0.45		1	91	70-130	01/01/2010 0001
Endrin aldehyde	0.50	0.43		1	87	70-130	01/01/2010 0001
gamma-BHC (Lindane)	0.50	0.42		1	84	70-130	01/01/2010 0001
gamma-Chlordane	0.50	0.42		1	85	70-130	01/01/2010 0001
Heptachlor	0.50	0.41		1	83	70-130	01/01/2010 0001
Heptachlor epoxide	0.50	0.42		1	83	70-130	01/01/2010 0001
Methoxychlor	0.50	0.51		1	101	70-130	01/01/2010 0001
Surrogate	Q	% Rec	Acceptance Limit				
Decachlorobiphenyl		90	20-131				
Tetrachloro-m-xylene		84	26-132				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - MS

Sample ID: KL18009-001MS

Batch: 24180

Analytical Method: 8081B

Matrix: Aqueous

Prep Method: 3520C

Prep Date: 12/23/2009 1413

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aldrin	ND	1.0	0.86	P	1	83	70-130	01/01/2010 0040
alpha-BHC	ND	1.0	0.92		1	88	70-130	01/01/2010 0040
beta-BHC	ND	1.0	0.91		1	87	70-130	01/01/2010 0040
delta-BHC	ND	1.0	0.96		1	92	70-130	01/01/2010 0040
gamma-BHC (Lindane)	ND	1.0	0.92		1	89	70-130	01/01/2010 0040
gamma-Chlordane	ND	1.0	0.91		1	87	70-130	01/01/2010 0040
4,4'-DDD	ND	1.0	0.98		1	94	70-130	01/01/2010 0040
4,4'-DDE	ND	1.0	0.88		1	85	70-130	01/01/2010 0040
4,4'-DDT	ND	1.0	0.94		1	90	70-130	01/01/2010 0040
Dieldrin	ND	1.0	0.97		1	93	70-130	01/01/2010 0040
Endosulfan I	ND	1.0	0.91		1	87	70-130	01/01/2010 0040
Endosulfan II	ND	1.0	1.0		1	96	70-130	01/01/2010 0040
Endosulfan sulfate	ND	1.0	1.0		1	96	70-130	01/01/2010 0040
Endrin	ND	1.0	1.0		1	97	70-130	01/01/2010 0040
Endrin aldehyde	ND	1.0	1.0		1	97	70-130	01/01/2010 0040
Heptachlor	ND	1.0	0.89		1	85	70-130	01/01/2010 0040
Heptachlor epoxide	ND	1.0	0.94		1	90	70-130	01/01/2010 0040
Methoxychlor	ND	1.0	1.2		1	112	70-130	01/01/2010 0040
Surrogate	Q	% Rec	Acceptance Limit					
Decachlorobiphenyl		67	20-131					
Tetrachloro-m-xylene		85	26-132					

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - MSD

Sample ID: KL18009-001MD

Batch: 24180

Analytical Method: 8081B

Matrix: Aqueous

Prep Method: 3520C

Prep Date: 12/23/2009 1413

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Aldrin	ND	1.0	1.2	P,+	1	122	34	70-130	30	01/01/2010 0100
alpha-BHC	ND	1.0	0.82		1	82	11	70-130	30	01/01/2010 0100
beta-BHC	ND	1.0	0.78		1	78	14	70-130	30	01/01/2010 0100
delta-BHC	ND	1.0	0.88		1	88	8.9	70-130	30	01/01/2010 0100
gamma-BHC (Lindane)	ND	1.0	0.84		1	84	9.4	70-130	30	01/01/2010 0100
gamma-Chlordane	ND	1.0	0.86		1	86	5.8	70-130	30	01/01/2010 0100
4,4'-DDD	ND	1.0	0.93		1	93	5.5	70-130	30	01/01/2010 0100
4,4'-DDE	ND	1.0	0.90		1	90	1.7	70-130	30	01/01/2010 0100
4,4'-DDT	ND	1.0	0.93		1	93	1.5	70-130	30	01/01/2010 0100
Dieldrin	ND	1.0	0.90		1	90	6.8	70-130	30	01/01/2010 0100
Endosulfan I	ND	1.0	0.83		1	83	8.9	70-130	30	01/01/2010 0100
Endosulfan II	ND	1.0	0.92		1	92	7.9	70-130	30	01/01/2010 0100
Endosulfan sulfate	ND	1.0	0.93		1	93	6.9	70-130	30	01/01/2010 0100
Endrin	ND	1.0	0.95		1	95	6.4	70-130	30	01/01/2010 0100
Endrin aldehyde	ND	1.0	0.94		1	94	6.7	70-130	30	01/01/2010 0100
Heptachlor	ND	1.0	0.83		1	83	6.4	70-130	30	01/01/2010 0100
Heptachlor epoxide	ND	1.0	0.84		1	84	11	70-130	30	01/01/2010 0100
Methoxychlor	ND	1.0	1.1		1	113	2.8	70-130	30	01/01/2010 0100
Surrogate	Q	% Rec	Acceptance Limit							
Decachlorobiphenyl		56	20-131							
Tetrachloro-m-xylene		79	26-132							

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - MB

Sample ID: LQ24707-001

Matrix: Aqueous

Batch: 24707

Prep Method: 3520C

Analytical Method: 8081B

Prep Date: 01/05/2010 2120

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
4,4'-DDD	ND		1	0.025	0.0060	ug/L	01/06/2010 2148
4,4'-DDE	ND		1	0.025	0.0060	ug/L	01/06/2010 2148
4,4'-DDT	ND		1	0.025	0.0030	ug/L	01/06/2010 2148
Aldrin	ND		1	0.025	0.0020	ug/L	01/06/2010 2148
alpha-BHC	ND		1	0.025	0.0030	ug/L	01/06/2010 2148
alpha-Chlordane	ND		1	0.025	0.0030	ug/L	01/06/2010 2148
beta-BHC	ND		1	0.025	0.019	ug/L	01/06/2010 2148
delta-BHC	ND		1	0.025	0.0080	ug/L	01/06/2010 2148
Dieldrin	ND		1	0.025	0.0040	ug/L	01/06/2010 2148
Endosulfan I	ND		1	0.025	0.0060	ug/L	01/06/2010 2148
Endosulfan II	ND		1	0.025	0.024	ug/L	01/06/2010 2148
Endosulfan sulfate	ND		1	0.025	0.0030	ug/L	01/06/2010 2148
Endrin	ND		1	0.025	0.0050	ug/L	01/06/2010 2148
Endrin aldehyde	ND		1	0.025	0.0030	ug/L	01/06/2010 2148
Endrin ketone	ND		1	0.025	0.0040	ug/L	01/06/2010 2148
gamma-BHC (Lindane)	ND		1	0.025	0.0050	ug/L	01/06/2010 2148
gamma-Chlordane	ND		1	0.025	0.0030	ug/L	01/06/2010 2148
Heptachlor	ND		1	0.025	0.020	ug/L	01/06/2010 2148
Heptachlor epoxide	ND		1	0.025	0.0030	ug/L	01/06/2010 2148
Methoxychlor	ND		1	0.10	0.014	ug/L	01/06/2010 2148
Toxaphene	ND		1	0.25	0.030	ug/L	01/06/2010 2148
Surrogate	Q	% Rec	Acceptance Limit				
Decachlorobiphenyl		87	20-131				
Tetrachloro-m-xylene		90	26-132				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - LCS

Sample ID: LQ24707-002

Matrix: Aqueous

Batch: 24707

Prep Method: 3520C

Analytical Method: 8081B

Prep Date: 01/05/2010 2120

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
4,4'-DDD	0.50	0.56		1	113	70-130	01/06/2010 2203
4,4'-DDE	0.50	0.53		1	105	70-130	01/06/2010 2203
4,4'-DDT	0.50	0.62		1	124	70-130	01/06/2010 2203
Aldrin	0.50	0.48		1	95	70-130	01/06/2010 2203
alpha-BHC	0.50	0.50		1	100	70-130	01/06/2010 2203
beta-BHC	0.50	0.45		1	89	70-130	01/06/2010 2203
delta-BHC	0.50	0.49		1	98	70-130	01/06/2010 2203
Dieldrin	0.50	0.55		1	111	70-130	01/06/2010 2203
Endosulfan I	0.50	0.44		1	88	70-130	01/06/2010 2203
Endosulfan II	0.50	0.54		1	108	70-130	01/06/2010 2203
Endosulfan sulfate	0.50	0.55		1	110	70-130	01/06/2010 2203
Endrin	0.50	0.57		1	113	70-130	01/06/2010 2203
Endrin aldehyde	0.50	0.48		1	96	70-130	01/06/2010 2203
gamma-BHC (Lindane)	0.50	0.50		1	100	70-130	01/06/2010 2203
gamma-Chlordane	0.50	0.53		1	107	70-130	01/06/2010 2203
Heptachlor	0.50	0.49		1	97	70-130	01/06/2010 2203
Heptachlor epoxide	0.50	0.52		1	103	70-130	01/06/2010 2203
Methoxychlor	0.50	0.56		1	111	70-130	01/06/2010 2203
Surrogate	Q	% Rec	Acceptance Limit				
Decachlorobiphenyl		92	20-131				
Tetrachloro-m-xylene		96	26-132				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - LCSD

Sample ID: LQ24707-003

Matrix: Aqueous

Batch: 24707

Prep Method: 3520C

Analytical Method: 8081B

Prep Date: 01/05/2010 2120

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
4,4'-DDD	0.50	0.55		1	109	3.0	70-130	30	01/06/2010 2219
4,4'-DDE	0.50	0.51		1	103	2.4	70-130	30	01/06/2010 2219
4,4'-DDT	0.50	0.61		1	122	1.3	70-130	30	01/06/2010 2219
Aldrin	0.50	0.45		1	90	5.8	70-130	30	01/06/2010 2219
alpha-BHC	0.50	0.47		1	94	6.4	70-130	30	01/06/2010 2219
beta-BHC	0.50	0.42		1	84	5.7	70-130	30	01/06/2010 2219
delta-BHC	0.50	0.48		1	95	2.7	70-130	30	01/06/2010 2219
Dieldrin	0.50	0.54		1	108	2.6	70-130	30	01/06/2010 2219
Endosulfan I	0.50	0.45		1	91	2.7	70-130	30	01/06/2010 2219
Endosulfan II	0.50	0.60		1	120	10	70-130	30	01/06/2010 2219
Endosulfan sulfate	0.50	0.54		1	109	1.4	70-130	30	01/06/2010 2219
Endrin	0.50	0.55		1	110	3.0	70-130	30	01/06/2010 2219
Endrin aldehyde	0.50	0.47		1	93	3.3	70-130	30	01/06/2010 2219
gamma-BHC (Lindane)	0.50	0.47		1	94	5.9	70-130	30	01/06/2010 2219
gamma-Chlordane	0.50	0.52		1	104	2.0	70-130	30	01/06/2010 2219
Heptachlor	0.50	0.46		1	92	5.3	70-130	30	01/06/2010 2219
Heptachlor epoxide	0.50	0.50		1	100	3.3	70-130	30	01/06/2010 2219
Methoxychlor	0.50	0.54		1	109	2.4	70-130	30	01/06/2010 2219
Surrogate	Q	% Rec	Acceptance Limit						
Decachlorobiphenyl		83	20-131						
Tetrachloro-m-xylene		90	26-132						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - MB

Sample ID: LQ25708-001

Matrix: Aqueous

Batch: 25708

Prep Method: 3520C

Analytical Method: 8081B

Prep Date: 12/23/2009 1413

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
4,4'-DDD	ND		1	0.025	0.0060	ug/L	12/31/2009 2341
4,4'-DDE	ND		1	0.025	0.0060	ug/L	12/31/2009 2341
4,4'-DDT	ND		1	0.025	0.0030	ug/L	12/31/2009 2341
Aldrin	ND		1	0.025	0.0020	ug/L	12/31/2009 2341
alpha-BHC	ND		1	0.025	0.0030	ug/L	12/31/2009 2341
alpha-Chlordane	ND		1	0.025	0.0030	ug/L	12/31/2009 2341
beta-BHC	ND		1	0.025	0.019	ug/L	12/31/2009 2341
delta-BHC	ND		1	0.025	0.0080	ug/L	12/31/2009 2341
Dieldrin	ND		1	0.025	0.0040	ug/L	12/31/2009 2341
Endosulfan I	ND		1	0.025	0.0060	ug/L	12/31/2009 2341
Endosulfan II	ND		1	0.025	0.024	ug/L	12/31/2009 2341
Endosulfan sulfate	ND		1	0.025	0.0030	ug/L	12/31/2009 2341
Endrin	ND		1	0.025	0.0050	ug/L	12/31/2009 2341
Endrin aldehyde	ND		1	0.025	0.0030	ug/L	12/31/2009 2341
Endrin ketone	ND		1	0.025	0.0040	ug/L	12/31/2009 2341
gamma-BHC (Lindane)	ND		1	0.025	0.0050	ug/L	12/31/2009 2341
gamma-Chlordane	ND		1	0.025	0.0030	ug/L	12/31/2009 2341
Heptachlor	ND		1	0.025	0.020	ug/L	12/31/2009 2341
Heptachlor epoxide	ND		1	0.025	0.0030	ug/L	12/31/2009 2341
Methoxychlor	ND		1	0.10	0.014	ug/L	12/31/2009 2341
Toxaphene	ND		1	0.25	0.030	ug/L	12/31/2009 2341
Surrogate	Q	% Rec	Acceptance Limit				
Decachlorobiphenyl		62	20-131				
Tetrachloro-m-xylene		86	26-132				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - LCS

Sample ID: LQ25708-002

Matrix: Aqueous

Batch: 25708

Prep Method: 3520C

Analytical Method: 8081B

Prep Date: 12/23/2009 1413

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
4,4'-DDD	0.50	0.45		1	91	70-130	01/01/2010 0001
4,4'-DDE	0.50	0.43		1	86	70-130	01/01/2010 0001
4,4'-DDT	0.50	0.42		1	84	70-130	01/01/2010 0001
Aldrin	0.50	0.42		1	83	70-130	01/01/2010 0001
alpha-BHC	0.50	0.42		1	84	70-130	01/01/2010 0001
beta-BHC	0.50	0.39		1	78	70-130	01/01/2010 0001
delta-BHC	0.50	0.44		1	87	70-130	01/01/2010 0001
Dieldrin	0.50	0.45		1	90	70-130	01/01/2010 0001
Endosulfan I	0.50	0.42		1	85	70-130	01/01/2010 0001
Endosulfan II	0.50	0.45		1	90	70-130	01/01/2010 0001
Endosulfan sulfate	0.50	0.46		1	92	70-130	01/01/2010 0001
Endrin	0.50	0.45		1	91	70-130	01/01/2010 0001
Endrin aldehyde	0.50	0.43		1	87	70-130	01/01/2010 0001
gamma-BHC (Lindane)	0.50	0.42		1	84	70-130	01/01/2010 0001
gamma-Chlordane	0.50	0.42		1	85	70-130	01/01/2010 0001
Heptachlor	0.50	0.41		1	83	70-130	01/01/2010 0001
Heptachlor epoxide	0.50	0.42		1	83	70-130	01/01/2010 0001
Methoxychlor	0.50	0.51		1	101	70-130	01/01/2010 0001
Surrogate	Q	% Rec	Acceptance Limit				
Decachlorobiphenyl		90	20-131				
Tetrachloro-m-xylene		84	26-132				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MB

Sample ID: KQ24099-001

Matrix: Aqueous

Batch: 24099

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/22/2009 1500

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Arsenic	ND		1	0.010	0.0040	mg/L	12/30/2009 0234
Barium	ND		1	0.025	0.0075	mg/L	12/30/2009 0234
Cadmium	ND		1	0.0020	0.00060	mg/L	12/30/2009 0234
Chromium	0.0038	J	1	0.0050	0.0021	mg/L	12/30/2009 0234
Lead	ND		1	0.010	0.0019	mg/L	12/30/2009 0234
Selenium	0.0034	J	1	0.010	0.0026	mg/L	12/31/2009 0042
Silver	ND		1	0.0050	0.00040	mg/L	12/31/2009 0042

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCS

Sample ID: KQ24099-002

Matrix: Aqueous

Batch: 24099

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/22/2009 1500

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Arsenic	0.40	0.39		1	98	80-120	12/30/2009 0240
Barium	2.0	2.1		1	104	80-120	12/30/2009 0240
Cadmium	0.40	0.38		1	95	80-120	12/30/2009 0240
Chromium	2.0	1.9		1	97	80-120	12/30/2009 0240
Lead	0.40	0.37		1	92	80-120	12/30/2009 0240
Selenium	0.40	0.42		1	105	80-120	12/31/2009 0048
Silver	0.40	0.44		1	109	80-120	12/31/2009 0048

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCSD

Sample ID: KQ24099-003

Matrix: Aqueous

Batch: 24099

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/22/2009 1500

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Arsenic	0.40	0.39		1	98	0.30	80-120	20	12/30/2009 0245
Barium	2.0	2.1		1	104	0.62	80-120	20	12/30/2009 0245
Cadmium	0.40	0.38		1	95	0.61	80-120	20	12/30/2009 0245
Chromium	2.0	1.9		1	97	0.34	80-120	20	12/30/2009 0245
Lead	0.40	0.35		1	88	4.1	80-120	20	12/30/2009 0245
Selenium	0.40	0.42		1	106	1.3	80-120	20	12/31/2009 0054
Silver	0.40	0.44		1	110	0.80	80-120	20	12/31/2009 0054

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - MB

Sample ID: KQ24024-001

Batch: 24024

Analytical Method: 7470A

Matrix: Aqueous

Prep Method: 7470A

Prep Date: 12/21/2009 1535

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Mercury	ND		1	0.00010	0.000053	mg/L	12/21/2009 2132

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - LCS

Sample ID: KQ24024-002

Batch: 24024

Analytical Method: 7470A

Matrix: Aqueous

Prep Method: 7470A

Prep Date: 12/21/2009 1535

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.0020	0.0019		1	93	85-115	12/21/2009 2134

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - LCSD

Sample ID: KQ24024-003

Matrix: Aqueous

Batch: 24024

Prep Method: 7470A

Analytical Method: 7470A

Prep Date: 12/21/2009 1535

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	0.0020	0.0019		1	95	2.1	85-115	20	12/21/2009 2137

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - MS

Sample ID: KL18009-001MS

Matrix: Aqueous

Batch: 24024

Prep Method: 7470A

Analytical Method: 7470A

Prep Date: 12/21/2009 1535

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	ND	0.0020	0.0019		1	95	85-115	12/21/2009 2301

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - MSD

Sample ID: KL18009-001MD

Matrix: Aqueous

Batch: 24024

Prep Method: 7470A

Analytical Method: 7470A

Prep Date: 12/21/2009 1535

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	ND	0.0020	0.0019		1	96	1.1	85-115	20	12/21/2009 2304

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - MS

Sample ID: KL18009-002MS

Matrix: Aqueous

Batch: 24024

Prep Method: 7470A

Analytical Method: 7470A

Prep Date: 12/21/2009 1535

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	ND	0.0020	0.0019		1	94	85-115	12/21/2009 2202

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MB

Sample ID: LQ25712-001

Matrix: Aqueous

Batch: 25712

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/22/2009 1500

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Arsenic	ND		1	0.010	0.0040	mg/L	12/30/2009 0234
Barium	ND		1	0.025	0.0075	mg/L	12/30/2009 0234
Cadmium	ND		1	0.0020	0.00060	mg/L	12/30/2009 0234
Chromium	0.0038	J	1	0.0050	0.0021	mg/L	12/30/2009 0234
Lead	ND		1	0.010	0.0019	mg/L	12/30/2009 0234
Selenium	ND		1	0.010	0.0026	mg/L	12/30/2009 0234

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCS

Sample ID: LQ25712-002

Matrix: Aqueous

Batch: 25712

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/22/2009 1500

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Arsenic	0.40	0.39		1	98	80-120	12/30/2009 0240
Barium	2.0	2.1		1	104	80-120	12/30/2009 0240
Cadmium	0.40	0.38		1	95	80-120	12/30/2009 0240
Chromium	2.0	1.9		1	97	80-120	12/30/2009 0240
Lead	0.40	0.37		1	92	80-120	12/30/2009 0240
Selenium	0.40	0.35		1	88	80-120	12/30/2009 0240
Silver	0.40	0.42		1	104	80-120	12/30/2009 0240

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCSD

Sample ID: LQ25712-003

Batch: 25712

Analytical Method: 6010C

Matrix: Aqueous

Prep Method: 3005A

Prep Date: 12/22/2009 1500

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Arsenic	0.40	0.39		1	98	0.30	80-120	20	12/30/2009 0245
Barium	2.0	2.1		1	104	0.62	80-120	20	12/30/2009 0245
Cadmium	0.40	0.38		1	95	0.61	80-120	20	12/30/2009 0245
Chromium	2.0	1.9		1	97	0.34	80-120	20	12/30/2009 0245
Lead	0.40	0.35		1	88	4.1	80-120	20	12/30/2009 0245
Selenium	0.40	0.34		1	86	2.7	80-120	20	12/30/2009 0245
Silver	0.40	0.42		1	106	1.4	80-120	20	12/30/2009 0245

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MB

Sample ID: LQ25713-001

Batch: 25713

Analytical Method: 6010C

Matrix: Aqueous

Prep Method: 3005A

Prep Date: 12/23/2009 1800

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Arsenic	ND		1	0.010	0.0040	mg/L	12/30/2009 2137
Barium	ND		1	0.025	0.0075	mg/L	12/31/2009 0304
Cadmium	ND		1	0.0020	0.00060	mg/L	12/31/2009 0304
Chromium	ND		1	0.0050	0.0021	mg/L	12/31/2009 2003
Lead	ND		1	0.010	0.0019	mg/L	12/31/2009 0304
Selenium	ND		1	0.010	0.0026	mg/L	12/31/2009 0304
Silver	ND		1	0.0050	0.00040	mg/L	12/30/2009 2137

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCS

Sample ID: LQ25713-002

Matrix: Aqueous

Batch: 25713

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/23/2009 1800

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Arsenic	0.40	0.40		1	99	80-120	12/30/2009 2142
Barium	2.0	2.1		1	106	80-120	12/31/2009 0310
Cadmium	0.40	0.42		1	104	80-120	12/31/2009 0310
Chromium	2.0	2.2		1	110	80-120	12/31/2009 2009
Lead	0.40	0.39		1	96	80-120	12/31/2009 0310
Selenium	0.40	0.42		1	105	80-120	12/31/2009 0310
Silver	0.40	0.42		1	104	80-120	12/30/2009 2142

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCSD

Sample ID: LQ25713-003

Batch: 25713

Analytical Method: 6010C

Matrix: Aqueous

Prep Method: 3005A

Prep Date: 12/23/2009 1800

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Arsenic	0.40	0.40		1	99	0.19	80-120	20	12/30/2009 2148
Barium	2.0	2.1		1	105	0.81	80-120	20	12/31/2009 0316
Cadmium	0.40	0.41		1	104	0.35	80-120	20	12/31/2009 0316
Chromium	2.0	2.2		1	110	0.17	80-120	20	12/31/2009 2015
Lead	0.40	0.38		1	95	1.3	80-120	20	12/31/2009 0316
Selenium	0.40	0.42		1	105	0.0024	80-120	20	12/31/2009 0316
Silver	0.40	0.41		1	103	1.0	80-120	20	12/30/2009 2148

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MS

Sample ID: KL18009-013MS

Matrix: Aqueous

Batch: 25713

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/23/2009 1800

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Arsenic	ND	0.40	0.40		1	101	75-125	12/30/2009 2200
Barium	0.024	2.0	2.2		1	107	75-125	12/31/2009 0328
Cadmium	ND	0.40	0.42		1	104	75-125	12/31/2009 0328
Chromium	ND	2.0	2.2		1	110	75-125	12/31/2009 2026
Lead	ND	0.40	0.39		1	96	75-125	12/31/2009 0328
Selenium	ND	0.40	0.41		1	102	75-125	12/31/2009 0328
Silver	ND	0.40	0.42		1	104	75-125	12/30/2009 2200

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MSD

Sample ID: KL18009-013MD

Matrix: Aqueous

Batch: 25713

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/23/2009 1800

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Arsenic	ND	0.40	0.41		1	102	1.3	75-125	20	12/30/2009 2206
Barium	0.024	2.0	2.2		1	107	0.38	75-125	20	12/31/2009 0334
Cadmium	ND	0.40	0.42		1	105	0.59	75-125	20	12/31/2009 0334
Chromium	ND	2.0	2.2		1	110	0.50	75-125	20	12/31/2009 2032
Lead	ND	0.40	0.39		1	98	1.5	75-125	20	12/31/2009 0334
Selenium	ND	0.40	0.42		1	104	1.8	75-125	20	12/31/2009 0334
Silver	ND	0.40	0.43		1	106	2.0	75-125	20	12/30/2009 2206

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 162 of 168

Level 1 Report v2.1

CVAA - MB

Sample ID: LQ25709-001

Batch: 25709

Analytical Method: 7470A

Matrix: Aqueous

Prep Method: 7470A

Prep Date: 12/21/2009 1535

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Mercury	ND		1	0.00010	0.000053	mg/L	12/21/2009 2132

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - LCS

Sample ID: LQ25709-002

Batch: 25709

Analytical Method: 7470A

Matrix: Aqueous

Prep Method: 7470A

Prep Date: 12/21/2009 1535

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.0020	0.0019		1	93	85-115	12/21/2009 2134

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - LCSD

Sample ID: LQ25709-003

Matrix: Aqueous

Batch: 25709

Prep Method: 7470A

Analytical Method: 7470A

Prep Date: 12/21/2009 1535

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	0.0020	0.0019		1	95	2.1	85-115	20	12/21/2009 2137

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - MB

Sample ID: LQ25710-001

Batch: 25710

Analytical Method: 7470A

Matrix: Aqueous

Prep Method: 7470A

Prep Date: 12/23/2009 1600

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Mercury	ND		1	0.00010	0.000053	mg/L	12/23/2009 1901

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - LCS

Sample ID: LQ25710-002

Batch: 25710

Analytical Method: 7470A

Matrix: Aqueous

Prep Method: 7470A

Prep Date: 12/23/2009 1600

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.0020	0.0019		1	96	85-115	12/23/2009 1903

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - LCSD

Sample ID: LQ25710-003

Matrix: Aqueous

Batch: 25710

Prep Method: 7470A

Analytical Method: 7470A

Prep Date: 12/23/2009 1600

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	0.0020	0.0019		1	96	0.00	85-115	20	12/23/2009 1906

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Number 101505

Document Number: F-AD-012 Effective Date: 08-04-02

SHEALY ENVIRONMENTAL SERVICES, INC.

West Columbia, South Carolina 29172

West Columbia, South Carolina 29172

Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 101526

[illegible]

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AQ-012 Effective Date: 08-04-02

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 6

Page 1 of 1
Replaces Date: 09/22/06
Effective Date: 05/29/07

Sample Receipt Checklist (SRC)

Client: Arcadis Cooler Inspected by/date: ee 12/18/07 Lot #: KL18009

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☒ FedEx ☐ Airborne Exp ☐ Other		
Yes ☒	No ☐	NA ☐
1. Were custody seals present on the cooler?		
Yes ☒	No ☐	NA ☐
2. If custody seals were present, were they intact and unbroken?		
Cooler ID/temperature upon receipt <u>5-1</u> °C <u>/</u> °C <u>/</u> °C <u>/</u> °C		
Method: ☐ Temperature Blank ☒ Against Bottles		
Method of coolant: ☒ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None		
If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.		
Yes ☐	No ☐	NA ☒
3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other: _____ (For coolers received via commercial courier, PMs are to be notified immediately.)		
Yes ☒	No ☐	NA ☐
4. Is the commercial courier's packing slip attached to this form?		
Yes ☐	No ☒	NA ☐
5. Were proper custody procedures (relinquished/received) followed?		
Yes ☒	No ☐	NA ☐
6. Were sample IDs listed?		
Yes ☒	No ☐	NA ☐
7. Was collection date & time listed?		
Yes ☒	No ☐	NA ☐
8. Were tests to be performed listed on the COC or was quote # provided?		
Yes ☒	No ☐	NA ☐
9. Did all samples arrive in the proper containers for each test?		
Yes ☒	No ☐	NA ☐
10. Did all container label information (ID, date, time) agree with COC?		
Yes ☒	No ☐	NA ☐
11. Did all containers arrive in good condition (unbroken, lids on, etc.)?		
Yes ☒	No ☐	NA ☐
12. Was adequate sample volume available?		
Yes ☒	No ☐	NA ☐
13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?		
Yes ☐	No ☒	NA ☐
14. Were any samples containers missing?		
Yes ☐	No ☒	NA ☐
15. Were there any excess samples not listed on COC?		
Yes ☐	No ☒	NA ☐
16. Were bubbles present >"pea-size" (¼" or 6mm in diameter) in any VOA vials?		
Yes ☐	No ☒	NA ☐
17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?		
Yes ☐	No ☐	NA ☒
18. Were all cyanide and/or sulfide samples received at a pH >12?		
Yes ☐	No ☐	NA ☒
19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) and toxicity (<0.1mg/L) samples free of residual chlorine?		
Yes ☐	No ☐	NA ☒
20. Were collection temperatures documented on the COC for NC samples?		
Yes ☐	No ☐	NA ☒
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)		
Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H ₂ SO ₄ , HNO ₃ , HCl, NaOH) with the SR # (number) _____		
Sample(s) _____ were received with bubbles >6 mm in diameter.		
Sample(s) _____ were received with TRC >0.2 mg/L for NH ₃ /TKN/cyanide/BNA/pest/PCB/herb.		
Toxicity sample(s) _____ were received with TRC >0.1 mg/L and were analyzed by method 330.5.		

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐

Did client respond: Yes ☐ No ☐

SESI employee:

Date of response:

Comments: - VOA vial med broken for COC-MW-4 (-009)

ee 12/18/07



SHEALY ENVIRONMENTAL SERVICES, INC.
 106 Vantage Point Drive
 West Columbia, South Carolina 29172
 Telephone No. (803) 791-9700 Fax No. (803) 751-9111

Number 101558

Client: ARCADIS		Report to Contact: Jaret Christy		Telephone No. / Fax No. / E-mail: 864-457-3400		Quote No.	
Address: 2014 Paces Ferry Rd		Signature: <i>[Signature]</i>		Waybill No.		Page 1 of 1	
City: Atlanta		Printed Name: Erica Maddox		Analysis (Attach list if more space is needed.)			
Project Name: SP08HAFS, HO1B, NALTM		Project No. SA 30339		Lot No. 1218009		Flowmeters / Counter ID: KL1811 N51011	
Sample ID / Description: Hunter-HAA-01		Date: 12/18/09		Time: 1650		Time: 1650	
Sample ID / Description: HAA01-MW-10(121709)		Date: 12/18/09		Time: 1650		Time: 1650	
Sample ID / Description: HMW-21(121709)		Date: 12/18/09		Time: 1650		Time: 1650	
Sample ID / Description: TB-04(121709)		Date: 12/18/09		Time: 1650		Time: 1650	

Sample ID / Description	Date	Time	Matrix				No. of Containers by Preservation Type				Analysis	Time	
			As Received	As Preserved	As Preserved	As Preserved	As Preserved	As Preserved	As Preserved	As Preserved			
HAA01-MW-10(121709)	12/18/09	1650	X										
HMW-21(121709)	12/18/09	1650	X										
TB-04(121709)	12/18/09	1650	X										

Sample ID / Description	Date	Time	Sample Disposal		OC Requirements (Specify)
			Returned to Client	Disposed by Lab	
HAA01-MW-10(121709)	12/18/09	1650			
HMW-21(121709)	12/18/09	1650			
TB-04(121709)	12/18/09	1650			

Sample ID / Description	Date	Time	Received by		Time
			Received by	Received by	
HAA01-MW-10(121709)	12/18/09	1650			
HMW-21(121709)	12/18/09	1650			
TB-04(121709)	12/18/09	1650			

Sample ID / Description	Date	Time	Received by		Time
			Received by	Received by	
HAA01-MW-10(121709)	12/18/09	1650			
HMW-21(121709)	12/18/09	1650			
TB-04(121709)	12/18/09	1650			

Document Number: E-AD-012 Effective Date: 09-04-08

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 6

Page 1 of 1
Replaces Date: 09/22/06
Effective Date: 05/29/07

Sample Receipt Checklist (SRC)

Client: Arcadis

Cooler inspected by/date: ECR 12/18/09 Lot #: KL18011

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☒ FedEx ☐ Airborne Exp ☐ Other		
Yes ☒ No ☐ NA ☐	1. Were custody seals present on the cooler?	
Yes ☒ No ☐ NA ☐	2. If custody seals were present, were they intact and unbroken?	
Cooler ID/temperature upon receipt: <u>2.5</u> °C <u>1</u> °C <u>1</u> °C <u>1</u> °C		
Method: ☐ Temperature Blank ☒ Against Bottles		
Method of coolant: ☐ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None		
If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.		
Yes ☐ No ☐ NA ☒	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other: _____ (For coolers received via commercial courier, PMs are to be notified immediately.)	
Yes ☒ No ☐ NA ☐	4. Is the commercial courier's packing slip attached to this form?	
Yes ☐ No ☒ NA ☐	5. Were proper custody procedures (relinquished/received) followed?	
Yes ☒ No ☐ NA ☐	6. Were sample IDs listed?	
Yes ☒ No ☐ NA ☐	7. Was collection date & time listed?	
Yes ☒ No ☐ NA ☐	8. Were tests to be performed listed on the COC or was quote # provided?	
Yes ☒ No ☐ NA ☐	9. Did all samples arrive in the proper containers for each test?	
Yes ☒ No ☐ NA ☐	10. Did all container (label) information (ID, date, time) agree with COC?	
Yes ☒ No ☐ NA ☐	11. Did all containers arrive in good condition (unbroken, lids on, etc.)?	
Yes ☒ No ☐ NA ☐	12. Was adequate sample volume available?	
Yes ☒ No ☐ NA ☐	13. Were all samples received within 1/5 the holding time or 48 hours, whichever comes first?	
Yes ☐ No ☒ NA ☐	14. Were any samples containers missing?	
Yes ☐ No ☒ NA ☐	15. Were there any excess samples not listed on COC?	
Yes ☐ No ☒ NA ☐	16. Were bubbles present >"pea-size" (1/4" or 6mm in diameter) in any VOA vials?	
Yes ☒ No ☐ NA ☐	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?	
Yes ☐ No ☐ NA ☒	18. Were all cyanide and/or sulfide samples received at a pH >12?	
Yes ☐ No ☐ NA ☒	19. Were all applicable NH ₃ /TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) and toxicity (<0.1mg/L) samples free of residual chlorine?	
Yes ☐ No ☐ NA ☒	20. Were collection temperatures documented on the COC for NC samples?	
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)		
Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H ₂ SO ₄ , HNO ₃ , HCl, NaOH) with the SR # (number) _____		
Sample(s) _____ were received with bubbles >6 mm in diameter.		
Sample(s) _____ were received with TRC >0.2 mg/L for NH ₃ /TKN/cyanide/BNA/pest/PCB/herb.		
Toxicity sample(s) _____ were received with TRC >0.1 mg/L and were analyzed by method 330.5.		

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐

Did client respond: Yes ☐ No ☐

SESI employee: _____

Date of response: _____

Comments: _____

SHEALY ENVIRONMENTAL SERVICES, INC.

West Columbia, South Carolina 29172

West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 101525

Client ARCADIS		Report to Contact <u>Tanet Christy</u>		Telephone No. / Fax No. / E-mail 864-957-3900		Quote No.
Address 2849 Paces Ferry Rd		Sampler's Signature <u>[Signature]</u>		Worksheet No.		Page 1 of 1
City Atlanta	State GA	Zip Code 30339	Pinned Name Erica Maddox		Analysis (Attach list if more space is needed.)	
Project Name HUNTER - HAA-01		F.O. No.		No. of Containers by Preservative Type		
Project No. GROBHAES-HOIB.NALTM						
Sample ID / Description		Date		Matrix		
(Instructions for each sample may be obtained on our web)						
HMW-4 (121709)	12/16/09	X				
HAAQI-MW-17 (121709)	11/50 X					
HMW-24 (121709)	1315 X					
HMW-23 (121709)	14120 X					
HMW-6 (121709)	1540 X					
HAAQI-MW-16 (121709)	0923 X					
TB-03 (121709)	0900 X					
<u>Erica Maddox</u> 12/17/09						
Possible Hazard Identification		Sample Disposal		Note: All samples are retained for six weeks from receipt unless other arrangements are made.		
☒ Alter Hazard	☐ Fly on site	☐ Return to Client	☐ Disposal by Lab			
Time Required Time Required (Prior job approval required for expedited TAT.)		CC Requirements (Specify)				
☒ Standard ☐ Rush (Specify)						
1. Requested by <u>Erica Maddox</u>		Date 12/17/09	Time 1900	Date	Time	
2. Requested by		Date	Time	Date	Time	
3. Requested by		Date	Time	Date	Time	
Comments						

DISTRIBUTION: WHITE & YELLOW Motion to Laboratory with Sample(s); PINK Folds, Court Copy

Document Number: FAD-017 Effective Date: 03-01-02

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 5

Page 1 of 1
Replaces Date: 09/22/06
Effective Date: 05/29/07

Sample Receipt Checklist (SRC)

Client: Arcadia Cooler inspected by/date: ECR Miskin Lot #: KL18017

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☒ FedEx ☐ Airborne Exp ☐ Other		
Yes ☒ No ☐ NA ☐	1. Were custody seals present on the cooler?	
Yes ☐ No ☒ NA ☐	2. If custody seals were present, were they intact and unbroken?	
Cooler ID/temperature upon receipt: <u>3 B</u> °C <u>1</u> °C <u>1</u> °C <u>1</u> °C		
Method: ☐ Temperature Blank ☐ Against Bottles		
Method of coolant: ☒ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None		
If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.		
Yes ☐ No ☐ NA ☒	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other: <u> </u> . (For coolers received via commercial courier, PMs are to be notified immediately.)	
Yes ☐ No ☒ NA ☐	4. Is the commercial courier's packing slip attached to this form?	
Yes ☐ No ☒ NA ☐	5. Were proper custody procedures (relinquished/received) followed?	
Yes ☒ No ☐ NA ☐	6. Were sample IDs listed?	
Yes ☒ No ☐ NA ☐	7. Was collection date & time listed?	
Yes ☒ No ☐ NA ☐	8. Were tests to be performed listed on the COC or was quote # provided?	
Yes ☒ No ☐ NA ☐	9. Did all samples arrive in the proper containers for each test?	
Yes ☒ No ☐ NA ☐	10. Did all container label information (ID, date, time) agree with COC?	
Yes ☐ No ☒ NA ☐	11. Did all containers arrive in good condition (unbroken, lids on, etc.)? <u>See Comments</u>	
Yes ☒ No ☐ NA ☐	12. Was adequate sample volume available?	
Yes ☒ No ☐ NA ☐	13. Were all samples received within 1/2 the holding time or 48 hours, whichever comes first?	
Yes ☐ No ☒ NA ☐	14. Were any samples containers missing?	
Yes ☐ No ☒ NA ☐	15. Were there any excess samples not listed on COC?	
Yes ☐ No ☒ NA ☐	16. Were bubbles present > "pea-size" (1/4" or 6mm in diameter) in any VOA vials?	
Yes ☒ No ☐ NA ☐	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?	
Yes ☐ No ☐ NA ☒	18. Were all cyanide and/or sulfide samples received at a pH >12?	
Yes ☐ No ☐ NA ☒	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/gest/PCB/herb (<0.2mg/L) and toxicity (<0.1mg/L) samples free of residual chlorine?	
Yes ☐ No ☐ NA ☒	20. Were collection temperatures documented on the COC for NC samples?	
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)		
Sample(s) <u> </u> were received incorrectly preserved and were adjusted accordingly in sample receiving with <u> </u> (H ₂ SO ₄ , HNO ₃ , HCl, NaOH) with the SR # (number) <u> </u>		
Sample(s) <u> </u> were received with bubbles > 6 mm in diameter.		
Sample(s) <u> </u> were received with TRC > 0.2 mg/L for NH3/TKN/cyanide/BNA/gest/PCB/herb.		
Toxicity sample(s) <u> </u> were received with TRC > 0.1 mg/L and were analyzed by method 330.5.		

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐

Did client respond: Yes ☐ No ☐

SESI employee:

Date of response:

Comments: 1 VOA vial neck broken for MW 17 (-002) & MW 16 (-001)
all 3 vials (VOA) & 1 SUBA bottle neck broken for MW 23 (-004)
ECR 12/18/05

Report of Analysis

ARCADIS U.S., Inc.
30 Patewood Drive
Suite 155
Greenville, SC 29615
Attention: Janet Christy

Project Name: Hunter HAA-01

Project Number: GP08HAFS.H01B.NALTM

Lot Number: KL18017

Date Completed: 01/08/2010



Nisreen Saikaly
Project Manager



This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

*** KL18017 ***

SHEALY ENVIRONMENTAL SERVICES, INC.

SC DHEC No: 32010

NELAC No: E87653

NC DEHNR No: 329

Case Narrative ARCADIS U.S., Inc. Lot Number: KL18017

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

SVOC

Sample -003 was run at a 2X dilution. The extract of this sample was black and viscous.

The surrogate recovery of sample -004 was outside acceptance limits. One bottle for this sample was received broken. No sample remained for re- extraction.

VOC

The LCS recovery for 1,2,4-Trichlorobenzene was outside method control limits in batch 24494. The LCSD results were within limits. Therefore the associated sample results were reported and no corrective action was required.

SHEALY ENVIRONMENTAL SERVICES, INC.

Sample Summary ARCADIS U.S., Inc. Lot Number: KL18017

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	HMW-4 (121709)	Aqueous	12/17/2009 0920	12/18/2009
002	HAA01-MW-17 (121709)	Aqueous	12/17/2009 1150	12/18/2009
003	HMW-24 (121709)	Aqueous	12/17/2009 1315	12/18/2009
004	HMW-23 (121709)	Aqueous	12/17/2009 1420	12/18/2009
005	HMW-6 (121709)	Aqueous	12/17/2009 1540	12/18/2009
006	HAA01-MW-16 (121709)	Aqueous	12/17/2009 0923	12/18/2009
007	TB-03 (121709)	Aqueous	12/17/2009 0900	12/18/2009

(7 samples)

SHEALY ENVIRONMENTAL SERVICES, INC.

Executive Summary

ARCADIS U.S., Inc.

Lot Number: KL18017

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	HMW-4 (121709)	Aqueous	Acetone	8260B	2.4	J	ug/L	5
002	HAA01-MW-17 (121709)	Aqueous	Acetone	8260B	5.6	J	ug/L	7
003	HMW-24 (121709)	Aqueous	Acetone	8260B	9.4	J	ug/L	9
003	HMW-24 (121709)	Aqueous	Benzene	8260B	4.9		ug/L	9
003	HMW-24 (121709)	Aqueous	Ethylbenzene	8260B	2.1		ug/L	9
003	HMW-24 (121709)	Aqueous	2-Hexanone	8260B	5.1	J	ug/L	9
003	HMW-24 (121709)	Aqueous	Isopropylbenzene	8260B	3.1		ug/L	9
003	HMW-24 (121709)	Aqueous	2-Methylnaphthalene	8270D	0.40	J	ug/L	12
003	HMW-24 (121709)	Aqueous	Naphthalene	8270D	3.2		ug/L	12
004	HMW-23 (121709)	Aqueous	4-Chloroaniline	8270D	25		ug/L	13
004	HMW-23 (121709)	Aqueous	2-Methylnaphthalene	8270D	9.7		ug/L	14
004	HMW-23 (121709)	Aqueous	Naphthalene	8270D	58		ug/L	14
005	HMW-6 (121709)	Aqueous	Acetone	8260B	1.8	J	ug/L	15
006	HAA01-MW-16 (121709)	Aqueous	Acetone	8260B	2.1	J	ug/L	19
006	HAA01-MW-16 (121709)	Aqueous	Barium	6010C	0.072		mg/L	25
007	TB-03 (121709)	Aqueous	Acetone	8260B	1.2	J	ug/L	26

(16 detections)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18017-001			
Description: HMW-4 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 0920							
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/30/2009 0135	RRH		24494		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	2.4	J	10	0.061	ug/L	1	
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1	
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1	
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1	
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1	
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1	
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1	
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1	
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1	
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1	
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1	
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1	
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1	
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1	
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1	
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1	
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1	
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1	
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1	
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1	
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1	
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1	
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1	
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1	
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1	
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1	
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1	
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1	
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1	
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1	
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1	
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1	
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1	
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1	
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1	
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1	
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1	
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1	
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1	
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18017-001			
Description: HMW-4 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 0920							
Date Received: 12/18/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/30/2009 0135	Analyst RRH	Prep Date	Batch 24494

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 6 of 46

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18017-002			
Description: HAA01-MW-17 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1150							
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	
1	5030B	8260B	1	12/30/2009 0156	RRH		24494	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	5.6	J	10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18017-002			
Description: HAA01-MW-17 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1150							
Date Received: 12/18/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/30/2009 0156	Analyst RRH	Prep Date	Batch 24494

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18017-003			
Description: HMW-24 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1315							
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/30/2009 0217	RRH		24494		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	9.4	J	10	0.061	ug/L	1	
Benzene	71-43-2	8260B	4.9		0.50	0.027	ug/L	1	
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1	
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1	
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1	
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1	
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1	
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1	
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1	
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1	
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1	
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1	
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1	
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1	
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1	
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1	
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1	
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1	
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1	
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1	
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1	
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1	
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1	
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1	
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1	
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1	
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1	
Ethylbenzene	100-41-4	8260B	2.1		0.50	0.17	ug/L	1	
2-Hexanone	591-78-6	8260B	5.1	J	10	0.27	ug/L	1	
Isopropylbenzene	98-82-8	8260B	3.1		0.50	0.029	ug/L	1	
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1	
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1	
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1	
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1	
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1	
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1	
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1	
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1	
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1	
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1	
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1	
PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" N = Recovery is out of criteria H = Out of holding time									

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18017-003			
Description: HMW-24 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1315							
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/30/2009 0217	RRH		24494

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 10 of 46

Level 1 Report v2.1

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18017-003

Description: HMW-24 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 1315

Date Received: 12/18/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	3520C	8270D	2	01/08/2010 0025	MZ	12/24/2009 2015	24263		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acenaphthene	83-32-9	8270D	ND		2.0	0.18	ug/L	1	
Acenaphthylene	208-96-8	8270D	ND		2.0	0.32	ug/L	1	
Acetophenone	98-86-2	8270D	ND		2.0	0.64	ug/L	1	
Anthracene	120-12-7	8270D	ND		2.0	0.26	ug/L	1	
Atrazine	1912-24-9	8270D	ND		2.0	0.40	ug/L	1	
Benzaldehyde	100-52-7	8270D	ND		10	2.0	ug/L	1	
Benzo(a)anthracene	56-55-3	8270D	ND		2.0	0.30	ug/L	1	
Benzo(a)pyrene	50-32-8	8270D	ND		2.0	0.32	ug/L	1	
Benzo(b)fluoranthene	205-99-2	8270D	ND		2.0	0.40	ug/L	1	
Benzo(g,h,i)perylene	191-24-2	8270D	ND		2.0	0.46	ug/L	1	
Benzo(k)fluoranthene	207-08-9	8270D	ND		2.0	0.24	ug/L	1	
1,1'-Biphenyl	92-52-4	8270D	ND		2.0	0.40	ug/L	1	
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		2.0	0.24	ug/L	1	
Butyl benzyl phthalate	85-68-7	8270D	ND		10	3.4	ug/L	1	
Caprolactam	105-60-2	8270D	ND		10	2.4	ug/L	1	
Carbazole	86-74-8	8270D	ND		2.0	0.50	ug/L	1	
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		2.0	0.44	ug/L	1	
4-Chloroaniline	106-47-8	8270D	ND		2.0	0.26	ug/L	1	
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		2.0	0.26	ug/L	1	
bis(2-Chloroethyl)ether	111-44-4	8270D	ND		2.0	0.26	ug/L	1	
bis(2-Chloroisopropyl)ether	108-60-1	8270D	ND		2.0	0.16	ug/L	1	
2-Chloronaphthalene	91-58-7	8270D	ND		2.0	0.24	ug/L	1	
2-Chlorophenol	95-57-8	8270D	ND		2.0	0.26	ug/L	1	
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		2.0	0.22	ug/L	1	
Chrysene	218-01-9	8270D	ND		2.0	0.24	ug/L	1	
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		2.0	0.26	ug/L	1	
Dibenzofuran	132-64-9	8270D	ND		2.0	0.32	ug/L	1	
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		10	1.6	ug/L	1	
2,4-Dichlorophenol	120-83-2	8270D	ND		2.0	0.30	ug/L	1	
Diethylphthalate	84-66-2	8270D	ND		10	3.4	ug/L	1	
Dimethyl phthalate	131-11-3	8270D	ND		10	3.4	ug/L	1	
2,4-Dimethylphenol	105-67-9	8270D	ND		2.0	0.62	ug/L	1	
Di-n-butyl phthalate	84-74-2	8270D	ND		10	3.4	ug/L	1	
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		10	3.0	ug/L	1	
2,4-Dinitrophenol	51-28-5	8270D	ND		10	0.50	ug/L	1	
2,4-Dinitrotoluene	121-14-2	8270D	ND		4.0	0.90	ug/L	1	
2,6-Dinitrotoluene	606-20-2	8270D	ND		4.0	0.80	ug/L	1	
Di-n-octylphthalate	117-84-0	8270D	ND		10	3.4	ug/L	1	
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		10	3.4	ug/L	1	
Fluoranthene	206-44-0	8270D	ND		2.0	0.42	ug/L	1	
Fluorene	86-73-7	8270D	ND		2.0	0.20	ug/L	1	
Hexachlorobenzene	118-74-1	8270D	ND		2.0	0.42	ug/L	1	
Hexachlorobutadiene	87-68-3	8270D	ND		2.0	0.18	ug/L	1	
Hexachlorocyclopentadiene	77-47-4	8270D	ND		10	0.46	ug/L	1	
PQL = Practical quantitation limit ND = Not detected at or above the MDL Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"									
B = Detected in the method blank J = Estimated result < PQL and ≥ MDL									
E = Quantitation of compound exceeded the calibration range P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria H = Out of holding time									

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18017-003

Description: HMW-24 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 1315

Date Received: 12/18/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	2	01/08/2010 0025	MZ	12/24/2009 2015	24263

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Hexachloroethane	67-72-1	8270D	ND		2.0	0.22	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		2.0	0.46	ug/L	1
Isophorone	78-59-1	8270D	ND		2.0	0.16	ug/L	1
2-Methylnaphthalene	91-57-6	8270D	0.40	J	2.0	0.16	ug/L	1
2-Methylphenol	95-48-7	8270D	ND		2.0	0.34	ug/L	1
3 & 4-Methylphenol	106-44-5	8270D	ND		4.0	1.1	ug/L	1
Naphthalene	91-20-3	8270D	3.2		2.0	0.14	ug/L	1
2-Nitroaniline	88-74-4	8270D	ND		4.0	1.1	ug/L	1
3-Nitroaniline	99-09-2	8270D	ND		4.0	1.5	ug/L	1
4-Nitroaniline	100-01-6	8270D	ND		4.0	0.78	ug/L	1
Nitrobenzene	98-95-3	8270D	ND		2.0	0.20	ug/L	1
2-Nitrophenol	88-75-5	8270D	ND		4.0	0.54	ug/L	1
4-Nitrophenol	100-02-7	8270D	ND		10	1.3	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		2.0	0.16	ug/L	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		2.0	0.76	ug/L	1
Pentachlorophenol	87-86-5	8270D	ND		10	1.1	ug/L	1
Phenanthrene	85-01-8	8270D	ND		2.0	0.36	ug/L	1
Phenol	108-95-2	8270D	ND		2.0	0.22	ug/L	1
Pyrene	129-00-0	8270D	ND		2.0	0.32	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		2.0	0.36	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		2.0	0.44	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		48	37-129
2-Fluorophenol		34	24-127
Nitrobenzene-d5		56	38-127
Phenol-d5	N	20	28-128
Terphenyl-d14		30	10-148
2,4,6-Tribromophenol		52	41-144

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18017-004

Description: HMW-23 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 1420

Date Received: 12/18/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	3520C	8270D	2	01/08/2010 0045	MZ	12/24/2009 2015	24263		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acenaphthene	83-32-9	8270D	ND		2.0	0.18	ug/L	1	
Acenaphthylene	208-96-8	8270D	ND		2.0	0.32	ug/L	1	
Acetophenone	98-86-2	8270D	ND		2.0	0.64	ug/L	1	
Anthracene	120-12-7	8270D	ND		2.0	0.26	ug/L	1	
Atrazine	1912-24-9	8270D	ND		2.0	0.40	ug/L	1	
Benzaldehyde	100-52-7	8270D	ND		10	2.0	ug/L	1	
Benzo(a)anthracene	56-55-3	8270D	ND		2.0	0.30	ug/L	1	
Benzo(a)pyrene	50-32-8	8270D	ND		2.0	0.32	ug/L	1	
Benzo(b)fluoranthene	205-99-2	8270D	ND		2.0	0.40	ug/L	1	
Benzo(g,h,i)perylene	191-24-2	8270D	ND		2.0	0.46	ug/L	1	
Benzo(k)fluoranthene	207-08-9	8270D	ND		2.0	0.24	ug/L	1	
1,1'-Biphenyl	92-52-4	8270D	ND		2.0	0.40	ug/L	1	
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		2.0	0.24	ug/L	1	
Butyl benzyl phthalate	85-68-7	8270D	ND		10	3.4	ug/L	1	
Caprolactam	105-60-2	8270D	ND		10	2.4	ug/L	1	
Carbazole	86-74-8	8270D	ND		2.0	0.50	ug/L	1	
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		2.0	0.44	ug/L	1	
4-Chloroaniline	106-47-8	8270D	25		2.0	0.26	ug/L	1	
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		2.0	0.26	ug/L	1	
bis(2-Chloroethyl)ether	111-44-4	8270D	ND		2.0	0.26	ug/L	1	
bis(2-Chloroisopropyl)ether	108-60-1	8270D	ND		2.0	0.16	ug/L	1	
2-Chloronaphthalene	91-58-7	8270D	ND		2.0	0.24	ug/L	1	
2-Chlorophenol	95-57-8	8270D	ND		2.0	0.26	ug/L	1	
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		2.0	0.22	ug/L	1	
Chrysene	218-01-9	8270D	ND		2.0	0.24	ug/L	1	
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		2.0	0.26	ug/L	1	
Dibenzofuran	132-64-9	8270D	ND		2.0	0.32	ug/L	1	
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		10	1.6	ug/L	1	
2,4-Dichlorophenol	120-83-2	8270D	ND		2.0	0.30	ug/L	1	
Diethylphthalate	84-66-2	8270D	ND		10	3.4	ug/L	1	
Dimethyl phthalate	131-11-3	8270D	ND		10	3.4	ug/L	1	
2,4-Dimethylphenol	105-67-9	8270D	ND		2.0	0.62	ug/L	1	
Di-n-butyl phthalate	84-74-2	8270D	ND		10	3.4	ug/L	1	
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		10	3.0	ug/L	1	
2,4-Dinitrophenol	51-28-5	8270D	ND		10	0.50	ug/L	1	
2,4-Dinitrotoluene	121-14-2	8270D	ND		4.0	0.90	ug/L	1	
2,6-Dinitrotoluene	606-20-2	8270D	ND		4.0	0.80	ug/L	1	
Di-n-octylphthalate	117-84-0	8270D	ND		10	3.4	ug/L	1	
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		10	3.4	ug/L	1	
Fluoranthene	206-44-0	8270D	ND		2.0	0.42	ug/L	1	
Fluorene	86-73-7	8270D	ND		2.0	0.20	ug/L	1	
Hexachlorobenzene	118-74-1	8270D	ND		2.0	0.42	ug/L	1	
Hexachlorobutadiene	87-68-3	8270D	ND		2.0	0.18	ug/L	1	
Hexachlorocyclopentadiene	77-47-4	8270D	ND		10	0.46	ug/L	1	
PQL = Practical quantitation limit ND = Not detected at or above the MDL Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"									
B = Detected in the method blank J = Estimated result < PQL and ≥ MDL									
E = Quantitation of compound exceeded the calibration range P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria H = Out of holding time									

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18017-004

Description: HMW-23 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 1420

Date Received: 12/18/2009

Run 1	Prep Method 3520C	Analytical Method 8270D	Dilution 2	Analysis Date 01/08/2010 0045	Analyst MZ	Prep Date 12/24/2009 2015	Batch 24263			
Parameter			CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Hexachloroethane			67-72-1	8270D	ND		2.0	0.22	ug/L	1
Indeno(1,2,3-c,d)pyrene			193-39-5	8270D	ND		2.0	0.46	ug/L	1
Isophorone			78-59-1	8270D	ND		2.0	0.16	ug/L	1
2-Methylnaphthalene			91-57-6	8270D	9.7		2.0	0.16	ug/L	1
2-Methylphenol			95-48-7	8270D	ND		2.0	0.34	ug/L	1
3 & 4-Methylphenol			106-44-5	8270D	ND		4.0	1.1	ug/L	1
Naphthalene			91-20-3	8270D	58		2.0	0.14	ug/L	1
2-Nitroaniline			88-74-4	8270D	ND		4.0	1.1	ug/L	1
3-Nitroaniline			99-09-2	8270D	ND		4.0	1.5	ug/L	1
4-Nitroaniline			100-01-6	8270D	ND		4.0	0.78	ug/L	1
Nitrobenzene			98-95-3	8270D	ND		2.0	0.20	ug/L	1
2-Nitrophenol			88-75-5	8270D	ND		4.0	0.54	ug/L	1
4-Nitrophenol			100-02-7	8270D	ND		10	1.3	ug/L	1
N-Nitrosodi-n-propylamine			621-64-7	8270D	ND		2.0	0.16	ug/L	1
N-Nitrosodiphenylamine (Diphenylamine)			86-30-6	8270D	ND		2.0	0.76	ug/L	1
Pentachlorophenol			87-86-5	8270D	ND		10	1.1	ug/L	1
Phenanthrene			85-01-8	8270D	ND		2.0	0.36	ug/L	1
Phenol			108-95-2	8270D	ND		2.0	0.22	ug/L	1
Pyrene			129-00-0	8270D	ND		2.0	0.32	ug/L	1
2,4,5-Trichlorophenol			95-95-4	8270D	ND		2.0	0.36	ug/L	1
2,4,6-Trichlorophenol			88-06-2	8270D	ND		2.0	0.44	ug/L	1
Surrogate			Q	Run 1 % Recovery	Acceptance Limits					
2-Fluorobiphenyl				47	37-129					
2-Fluorophenol			N	0.70	24-127					
Nitrobenzene-d5				58	38-127					
Phenol-d5				34	28-128					
Terphenyl-d14				38	10-148					
2,4,6-Tribromophenol				59	41-144					

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18017-005			
Description: HMW-6 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1540							
Date Received: 12/18/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/30/2009 0238	Analyst RRH	Prep Date	Batch 24494

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	1.8	J	10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18017-005			
Description: HMW-6 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1540							
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/30/2009 0238	RRH		24494

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 16 of 46

Level 1 Report v2.1

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18017-005

Description: HMW-6 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 1540

Date Received: 12/18/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	3520C	8270D	1	01/06/2010 0117	MZ	12/24/2009 2015	24263		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acenaphthene	83-32-9	8270D	ND		1.0	0.090	ug/L	1	
Acenaphthylene	208-96-8	8270D	ND		1.0	0.16	ug/L	1	
Acetophenone	98-86-2	8270D	ND		1.0	0.32	ug/L	1	
Anthracene	120-12-7	8270D	ND		1.0	0.13	ug/L	1	
Atrazine	1912-24-9	8270D	ND		1.0	0.20	ug/L	1	
Benzaldehyde	100-52-7	8270D	ND		5.0	1.0	ug/L	1	
Benzo(a)anthracene	56-55-3	8270D	ND		1.0	0.15	ug/L	1	
Benzo(a)pyrene	50-32-8	8270D	ND		1.0	0.16	ug/L	1	
Benzo(b)fluoranthene	205-99-2	8270D	ND		1.0	0.20	ug/L	1	
Benzo(g,h,i)perylene	191-24-2	8270D	ND		1.0	0.23	ug/L	1	
Benzo(k)fluoranthene	207-08-9	8270D	ND		1.0	0.12	ug/L	1	
1,1'-Biphenyl	92-52-4	8270D	ND		1.0	0.20	ug/L	1	
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		1.0	0.12	ug/L	1	
Butyl benzyl phthalate	85-68-7	8270D	ND		5.0	1.7	ug/L	1	
Caprolactam	105-60-2	8270D	ND		5.0	1.2	ug/L	1	
Carbazole	86-74-8	8270D	ND		1.0	0.25	ug/L	1	
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		1.0	0.22	ug/L	1	
4-Chloroaniline	106-47-8	8270D	ND		1.0	0.13	ug/L	1	
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		1.0	0.13	ug/L	1	
bis(2-Chloroethyl)ether	111-44-4	8270D	ND		1.0	0.13	ug/L	1	
bis(2-Chloroisopropyl)ether	108-60-1	8270D	ND		1.0	0.080	ug/L	1	
2-Chloronaphthalene	91-58-7	8270D	ND		1.0	0.12	ug/L	1	
2-Chlorophenol	95-57-8	8270D	ND		1.0	0.13	ug/L	1	
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		1.0	0.11	ug/L	1	
Chrysene	218-01-9	8270D	ND		1.0	0.12	ug/L	1	
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		1.0	0.13	ug/L	1	
Dibenzofuran	132-64-9	8270D	ND		1.0	0.16	ug/L	1	
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		5.0	0.81	ug/L	1	
2,4-Dichlorophenol	120-83-2	8270D	ND		1.0	0.15	ug/L	1	
Diethylphthalate	84-66-2	8270D	ND		5.0	1.7	ug/L	1	
Dimethyl phthalate	131-11-3	8270D	ND		5.0	1.7	ug/L	1	
2,4-Dimethylphenol	105-67-9	8270D	ND		1.0	0.31	ug/L	1	
Di-n-butyl phthalate	84-74-2	8270D	ND		5.0	1.7	ug/L	1	
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		5.0	1.5	ug/L	1	
2,4-Dinitrophenol	51-28-5	8270D	ND		5.0	0.25	ug/L	1	
2,4-Dinitrotoluene	121-14-2	8270D	ND		2.0	0.45	ug/L	1	
2,6-Dinitrotoluene	606-20-2	8270D	ND		2.0	0.40	ug/L	1	
Di-n-octylphthalate	117-84-0	8270D	ND		5.0	1.7	ug/L	1	
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		5.0	1.7	ug/L	1	
Fluoranthene	206-44-0	8270D	ND		1.0	0.21	ug/L	1	
Fluorene	86-73-7	8270D	ND		1.0	0.10	ug/L	1	
Hexachlorobenzene	118-74-1	8270D	ND		1.0	0.21	ug/L	1	
Hexachlorobutadiene	87-68-3	8270D	ND		1.0	0.090	ug/L	1	
Hexachlorocyclopentadiene	77-47-4	8270D	ND		5.0	0.23	ug/L	1	
PQL = Practical quantitation limit ND = Not detected at or above the MDL Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"									
B = Detected in the method blank J = Estimated result < PQL and ≥ MDL									
E = Quantitation of compound exceeded the calibration range P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria H = Out of holding time									

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18017-005

Description: HMW-6 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 1540

Date Received: 12/18/2009

Run 1	Prep Method 3520C	Analytical Method 8270D	Dilution 1	Analysis Date 01/06/2010 0117	Analyst MZ	Prep Date 12/24/2009 2015	Batch 24263			
			CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Hexachloroethane			67-72-1	8270D	ND		1.0	0.11	ug/L	1
Indeno(1,2,3-c,d)pyrene			193-39-5	8270D	ND		1.0	0.23	ug/L	1
Isophorone			78-59-1	8270D	ND		1.0	0.080	ug/L	1
2-Methylnaphthalene			91-57-6	8270D	ND		1.0	0.080	ug/L	1
2-Methylphenol			95-48-7	8270D	ND		1.0	0.17	ug/L	1
3 & 4-Methylphenol			106-44-5	8270D	ND		2.0	0.57	ug/L	1
Naphthalene			91-20-3	8270D	ND		1.0	0.070	ug/L	1
2-Nitroaniline			88-74-4	8270D	ND		2.0	0.55	ug/L	1
3-Nitroaniline			99-09-2	8270D	ND		2.0	0.77	ug/L	1
4-Nitroaniline			100-01-6	8270D	ND		2.0	0.39	ug/L	1
Nitrobenzene			98-95-3	8270D	ND		1.0	0.10	ug/L	1
2-Nitrophenol			88-75-5	8270D	ND		2.0	0.27	ug/L	1
4-Nitrophenol			100-02-7	8270D	ND		5.0	0.64	ug/L	1
N-Nitrosodi-n-propylamine			621-64-7	8270D	ND		1.0	0.080	ug/L	1
N-Nitrosodiphenylamine (Diphenylamine)			86-30-6	8270D	ND		1.0	0.38	ug/L	1
Pentachlorophenol			87-86-5	8270D	ND		5.0	0.54	ug/L	1
Phenanthrene			85-01-8	8270D	ND		1.0	0.18	ug/L	1
Phenol			108-95-2	8270D	ND		1.0	0.11	ug/L	1
Pyrene			129-00-0	8270D	ND		1.0	0.16	ug/L	1
2,4,5-Trichlorophenol			95-95-4	8270D	ND		1.0	0.18	ug/L	1
2,4,6-Trichlorophenol			88-06-2	8270D	ND		1.0	0.22	ug/L	1
Surrogate			Q	Run 1 % Recovery	Acceptance Limits					
2-Fluorobiphenyl				50	37-129					
2-Fluorophenol				43	24-127					
Nitrobenzene-d5				48	38-127					
Phenol-d5				35	28-128					
Terphenyl-d14				27	10-148					
2,4,6-Tribromophenol				63	41-144					

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18017-006			
Description: HAA01-MW-16 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 0923							
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	
1	5030B	8260B	1	12/30/2009 0259	RRH		24494	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	2.1	J	10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18017-006			
Description: HAA01-MW-16 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 0923							
Date Received: 12/18/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/30/2009 0259	Analyst RRH	Prep Date	Batch 24494

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18017-006

Description: HAA01-MW-16 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 0923

Date Received: 12/18/2009

Run 1	Prep Method 3520C	Analytical Method 8270D	Dilution 1	Analysis Date 01/06/2010 0137	Analyst MZ	Prep Date 12/24/2009 2015	Batch 24263		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acenaphthene	83-32-9	8270D	ND		1.0	0.090	ug/L	1	
Acenaphthylene	208-96-8	8270D	ND		1.0	0.16	ug/L	1	
Acetophenone	98-86-2	8270D	ND		1.0	0.32	ug/L	1	
Anthracene	120-12-7	8270D	ND		1.0	0.13	ug/L	1	
Atrazine	1912-24-9	8270D	ND		1.0	0.20	ug/L	1	
Benzaldehyde	100-52-7	8270D	ND		5.0	1.0	ug/L	1	
Benzo(a)anthracene	56-55-3	8270D	ND		1.0	0.15	ug/L	1	
Benzo(a)pyrene	50-32-8	8270D	ND		1.0	0.16	ug/L	1	
Benzo(b)fluoranthene	205-99-2	8270D	ND		1.0	0.20	ug/L	1	
Benzo(g,h,i)perylene	191-24-2	8270D	ND		1.0	0.23	ug/L	1	
Benzo(k)fluoranthene	207-08-9	8270D	ND		1.0	0.12	ug/L	1	
1,1'-Biphenyl	92-52-4	8270D	ND		1.0	0.20	ug/L	1	
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		1.0	0.12	ug/L	1	
Butyl benzyl phthalate	85-68-7	8270D	ND		5.0	1.7	ug/L	1	
Caprolactam	105-60-2	8270D	ND		5.0	1.2	ug/L	1	
Carbazole	86-74-8	8270D	ND		1.0	0.25	ug/L	1	
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		1.0	0.22	ug/L	1	
4-Chloroaniline	106-47-8	8270D	ND		1.0	0.13	ug/L	1	
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		1.0	0.13	ug/L	1	
bis(2-Chloroethyl)ether	111-44-4	8270D	ND		1.0	0.13	ug/L	1	
bis(2-Chloroisopropyl)ether	108-60-1	8270D	ND		1.0	0.080	ug/L	1	
2-Chloronaphthalene	91-58-7	8270D	ND		1.0	0.12	ug/L	1	
2-Chlorophenol	95-57-8	8270D	ND		1.0	0.13	ug/L	1	
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		1.0	0.11	ug/L	1	
Chrysene	218-01-9	8270D	ND		1.0	0.12	ug/L	1	
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		1.0	0.13	ug/L	1	
Dibenzofuran	132-64-9	8270D	ND		1.0	0.16	ug/L	1	
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		5.0	0.81	ug/L	1	
2,4-Dichlorophenol	120-83-2	8270D	ND		1.0	0.15	ug/L	1	
Diethylphthalate	84-66-2	8270D	ND		5.0	1.7	ug/L	1	
Dimethyl phthalate	131-11-3	8270D	ND		5.0	1.7	ug/L	1	
2,4-Dimethylphenol	105-67-9	8270D	ND		1.0	0.31	ug/L	1	
Di-n-butyl phthalate	84-74-2	8270D	ND		5.0	1.7	ug/L	1	
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		5.0	1.5	ug/L	1	
2,4-Dinitrophenol	51-28-5	8270D	ND		5.0	0.25	ug/L	1	
2,4-Dinitrotoluene	121-14-2	8270D	ND		2.0	0.45	ug/L	1	
2,6-Dinitrotoluene	606-20-2	8270D	ND		2.0	0.40	ug/L	1	
Di-n-octylphthalate	117-84-0	8270D	ND		5.0	1.7	ug/L	1	
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		5.0	1.7	ug/L	1	
Fluoranthene	206-44-0	8270D	ND		1.0	0.21	ug/L	1	
Fluorene	86-73-7	8270D	ND		1.0	0.10	ug/L	1	
Hexachlorobenzene	118-74-1	8270D	ND		1.0	0.21	ug/L	1	
Hexachlorobutadiene	87-68-3	8270D	ND		1.0	0.090	ug/L	1	
Hexachlorocyclopentadiene	77-47-4	8270D	ND		5.0	0.23	ug/L	1	
PQL = Practical quantitation limit ND = Not detected at or above the MDL Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"									
B = Detected in the method blank J = Estimated result < PQL and ≥ MDL									
E = Quantitation of compound exceeded the calibration range P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria H = Out of holding time									

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18017-006

Description: HAA01-MW-16 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 0923

Date Received: 12/18/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	01/06/2010 0137	MZ	12/24/2009 2015	24263

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Hexachloroethane	67-72-1	8270D	ND		1.0	0.11	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		1.0	0.23	ug/L	1
Isophorone	78-59-1	8270D	ND		1.0	0.080	ug/L	1
2-Methylnaphthalene	91-57-6	8270D	ND		1.0	0.080	ug/L	1
2-Methylphenol	95-48-7	8270D	ND		1.0	0.17	ug/L	1
3 & 4-Methylphenol	106-44-5	8270D	ND		2.0	0.57	ug/L	1
Naphthalene	91-20-3	8270D	ND		1.0	0.070	ug/L	1
2-Nitroaniline	88-74-4	8270D	ND		2.0	0.55	ug/L	1
3-Nitroaniline	99-09-2	8270D	ND		2.0	0.77	ug/L	1
4-Nitroaniline	100-01-6	8270D	ND		2.0	0.39	ug/L	1
Nitrobenzene	98-95-3	8270D	ND		1.0	0.10	ug/L	1
2-Nitrophenol	88-75-5	8270D	ND		2.0	0.27	ug/L	1
4-Nitrophenol	100-02-7	8270D	ND		5.0	0.64	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		1.0	0.080	ug/L	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		1.0	0.38	ug/L	1
Pentachlorophenol	87-86-5	8270D	ND		5.0	0.54	ug/L	1
Phenanthrene	85-01-8	8270D	ND		1.0	0.18	ug/L	1
Phenol	108-95-2	8270D	ND		1.0	0.11	ug/L	1
Pyrene	129-00-0	8270D	ND		1.0	0.16	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		1.0	0.18	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		1.0	0.22	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		51	37-129
2-Fluorophenol		50	24-127
Nitrobenzene-d5		50	38-127
Phenol-d5		38	28-128
Terphenyl-d14		51	10-148
2,4,6-Tribromophenol		55	41-144

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18017-006			
Description: HAA01-MW-16 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 0923							
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	3520C	8081B	1	01/01/2010 0338	NCM	12/23/2009 1413	24180		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		0.028	0.0022	ug/L	1
alpha-BHC	319-84-6	8081B	ND		0.028	0.0033	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.028	0.021	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.028	0.0089	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.028	0.0056	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.028	0.0033	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.028	0.0033	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.028	0.0067	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.028	0.0067	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.028	0.0033	ug/L	1
Dieldrin	60-57-1	8081B	ND		0.028	0.0044	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.028	0.0067	ug/L	1
Endosulfan II	33213-65-9	8081B	ND		0.028	0.027	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.028	0.0033	ug/L	1
Endrin	72-20-8	8081B	ND		0.028	0.0056	ug/L	1
Endrin aldehyde	7421-93-4	8081B	ND		0.028	0.0033	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.028	0.0044	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.028	0.022	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.028	0.0033	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.11	0.016	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.28	0.033	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		69	49-124
Tetrachloro-m-xylene		85	58-122

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

CVAA

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18017-006

Description: HAA01-MW-16 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 0923

Date Received: 12/18/2009

Run 1	Prep Method	Analytical Method 7470A	Dilution 1	Analysis Date 12/21/2009 2221	Analyst BNW	Prep Date 12/21/2009 1535	Batch 24024

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND	0.00010	0.000053		mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 24 of 46

Level 1 Report v2.1

RCRA Metals

Client: ARCADIS U.S., Inc.

Laboratory ID: KL18017-006

Description: HAA01-MW-16 (121709)

Matrix: Aqueous

Date Sampled: 12/17/2009 0923

Date Received: 12/18/2009

Run 1	Prep Method 3005A	Analytical Method 6010C	Dilution 1	Analysis Date 12/30/2009 0506	Analyst CDF	Prep Date 12/22/2009 1500	Batch 24099

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.010	0.0040	mg/L	1
Barium	7440-39-3	6010C	0.072		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010C	ND		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010C	ND		0.010	0.0019	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	0.0026	mg/L	1
Silver	7440-22-4	6010C	ND		0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18017-007			
Description: TB-03 (121709)				Matrix: Aqueous			
Date Sampled: 12/17/2009 0900							
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	
1	5030B	8260B	1	12/30/2009 0320	RRH		24494	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	1.2	J	10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.	Laboratory ID: KL18017-007
Description: TB-03 (121709)	Matrix: Aqueous
Date Sampled: 12/17/2009 0900	
Date Received: 12/18/2009	

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/30/2009 0320	Analyst RRH	Prep Date	Batch 24494

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ24494-001

Matrix: Aqueous

Batch: 24494

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	10	0.061	ug/L	12/29/2009 2225
Benzene	ND		1	0.50	0.027	ug/L	12/29/2009 2225
Bromodichloromethane	ND		1	0.50	0.17	ug/L	12/29/2009 2225
Bromoform	ND		1	0.50	0.010	ug/L	12/29/2009 2225
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	12/29/2009 2225
2-Butanone (MEK)	ND		1	10	2.0	ug/L	12/29/2009 2225
Carbon disulfide	ND		1	0.50	0.097	ug/L	12/29/2009 2225
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	12/29/2009 2225
Chlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2225
Chloroethane	ND		1	0.50	0.17	ug/L	12/29/2009 2225
Chloroform	ND		1	0.50	0.17	ug/L	12/29/2009 2225
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	12/29/2009 2225
Cyclohexane	ND		1	0.50	0.30	ug/L	12/29/2009 2225
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	12/29/2009 2225
Dibromochloromethane	ND		1	0.50	0.17	ug/L	12/29/2009 2225
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	12/29/2009 2225
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2225
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2225
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2225
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	12/29/2009 2225
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	12/29/2009 2225
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	12/29/2009 2225
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	12/29/2009 2225
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	12/29/2009 2225
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	12/29/2009 2225
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	12/29/2009 2225
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	12/29/2009 2225
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	12/29/2009 2225
Ethylbenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2225
2-Hexanone	ND		1	10	0.27	ug/L	12/29/2009 2225
Isopropylbenzene	ND		1	0.50	0.029	ug/L	12/29/2009 2225
Methyl acetate	ND		1	1.0	0.30	ug/L	12/29/2009 2225
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	12/29/2009 2225
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	12/29/2009 2225
Methylcyclohexane	ND		1	5.0	0.95	ug/L	12/29/2009 2225
Methylene chloride	ND		1	0.50	0.17	ug/L	12/29/2009 2225
Styrene	ND		1	0.50	0.015	ug/L	12/29/2009 2225
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	12/29/2009 2225
Tetrachloroethene	ND		1	0.50	0.014	ug/L	12/29/2009 2225
Toluene	ND		1	0.50	0.17	ug/L	12/29/2009 2225
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	12/29/2009 2225
1,2,4-Trichlorobenzene	ND		1	0.50	0.17	ug/L	12/29/2009 2225
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	12/29/2009 2225
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	12/29/2009 2225

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ24494-001

Matrix: Aqueous

Batch: 24494

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.024	ug/L	12/29/2009 2225
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	12/29/2009 2225
Vinyl chloride	ND		1	0.50	0.065	ug/L	12/29/2009 2225
Xylenes (total)	ND		1	0.50	0.17	ug/L	12/29/2009 2225
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		103	70-130				
1,2-Dichloroethane-d4		104	70-130				
Toluene-d8		105	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ24494-002

Matrix: Aqueous

Batch: 24494

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	110		1	109	46-153	12/29/2009 2101
Benzene	50	48		1	96	70-130	12/29/2009 2101
Bromodichloromethane	50	55		1	111	70-130	12/29/2009 2101
Bromoform	50	63		1	125	70-130	12/29/2009 2101
Bromomethane (Methyl bromide)	50	57		1	113	60-140	12/29/2009 2101
2-Butanone (MEK)	100	110		1	109	60-140	12/29/2009 2101
Carbon disulfide	50	56		1	113	60-140	12/29/2009 2101
Carbon tetrachloride	50	61		1	123	70-130	12/29/2009 2101
Chlorobenzene	50	50		1	100	70-130	12/29/2009 2101
Chloroethane	50	58		1	116	42-163	12/29/2009 2101
Chloroform	50	52		1	103	70-130	12/29/2009 2101
Chloromethane (Methyl chloride)	50	54		1	107	20-158	12/29/2009 2101
Cyclohexane	50	63		1	127	70-130	12/29/2009 2101
1,2-Dibromo-3-chloropropane (DBCP)	50	62		1	125	70-130	12/29/2009 2101
Dibromochloromethane	50	59		1	119	70-130	12/29/2009 2101
1,2-Dibromoethane (EDB)	50	55		1	109	70-130	12/29/2009 2101
1,4-Dichlorobenzene	50	65		1	129	70-130	12/29/2009 2101
1,2-Dichlorobenzene	50	51		1	101	70-130	12/29/2009 2101
1,3-Dichlorobenzene	50	64		1	128	70-130	12/29/2009 2101
Dichlorodifluoromethane	50	62		1	124	60-140	12/29/2009 2101
1,2-Dichloroethane	50	50		1	101	70-130	12/29/2009 2101
1,1-Dichloroethane	50	50		1	101	70-130	12/29/2009 2101
cis-1,2-Dichloroethene	50	50		1	100	70-130	12/29/2009 2101
1,1-Dichloroethene	50	57		1	114	70-130	12/29/2009 2101
trans-1,2-Dichloroethene	50	52		1	105	70-130	12/29/2009 2101
1,2-Dichloropropane	50	51		1	103	70-130	12/29/2009 2101
cis-1,3-Dichloropropene	50	56		1	111	70-130	12/29/2009 2101
trans-1,3-Dichloropropene	50	57		1	115	70-130	12/29/2009 2101
Ethylbenzene	50	53		1	107	70-130	12/29/2009 2101
2-Hexanone	100	100		1	104	60-140	12/29/2009 2101
Isopropylbenzene	50	57		1	114	70-130	12/29/2009 2101
Methyl acetate	50	55		1	111	15-128	12/29/2009 2101
Methyl tertiary butyl ether (MTBE)	50	50		1	100	70-130	12/29/2009 2101
4-Methyl-2-pentanone	100	100		1	101	60-140	12/29/2009 2101
Methylcyclohexane	50	65		1	130	70-130	12/29/2009 2101
Methylene chloride	50	57		1	115	70-130	12/29/2009 2101
Styrene	50	56		1	113	70-130	12/29/2009 2101
1,1,2,2-Tetrachloroethane	50	56		1	112	70-130	12/29/2009 2101
Tetrachloroethene	50	57		1	113	70-130	12/29/2009 2101
Toluene	50	51		1	101	70-130	12/29/2009 2101
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	63		1	126	70-130	12/29/2009 2101
1,2,4-Trichlorobenzene	50	66	N	1	133	70-130	12/29/2009 2101
1,1,2-Trichloroethane	50	54		1	109	70-130	12/29/2009 2101
1,1,1-Trichloroethane	50	57		1	114	70-130	12/29/2009 2101

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ24494-002

Matrix: Aqueous

Batch: 24494

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	53		1	106	70-130	12/29/2009 2101
Trichlorofluoromethane	50	61		1	121	60-140	12/29/2009 2101
Vinyl chloride	50	53		1	105	60-140	12/29/2009 2101
Xylenes (total)	100	110		1	107	70-130	12/29/2009 2101
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		102	70-130				
1,2-Dichloroethane-d4		102	70-130				
Toluene-d8		107	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ24494-003

Matrix: Aqueous

Batch: 24494

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	120		1	116	6.3	46-153	20	12/29/2009 2122
Benzene	50	47		1	95	1.8	70-130	20	12/29/2009 2122
Bromodichloromethane	50	54		1	109	1.9	70-130	20	12/29/2009 2122
Bromoform	50	63		1	126	0.65	70-130	20	12/29/2009 2122
Bromomethane (Methyl bromide)	50	53		1	106	7.0	60-140	20	12/29/2009 2122
2-Butanone (MEK)	100	110		1	113	2.9	60-140	20	12/29/2009 2122
Carbon disulfide	50	57		1	113	0.13	60-140	20	12/29/2009 2122
Carbon tetrachloride	50	61		1	122	1.0	70-130	20	12/29/2009 2122
Chlorobenzene	50	49		1	98	2.2	70-130	20	12/29/2009 2122
Chloroethane	50	58		1	116	0.17	42-163	20	12/29/2009 2122
Chloroform	50	51		1	101	1.5	70-130	20	12/29/2009 2122
Chloromethane (Methyl chloride)	50	55		1	109	1.8	20-158	20	12/29/2009 2122
Cyclohexane	50	62		1	125	1.5	70-130	20	12/29/2009 2122
1,2-Dibromo-3-chloropropane (DBCP)	50	64		1	129	3.3	70-130	20	12/29/2009 2122
Dibromochloromethane	50	59		1	118	0.62	70-130	20	12/29/2009 2122
1,2-Dibromoethane (EDB)	50	54		1	108	0.70	70-130	20	12/29/2009 2122
1,4-Dichlorobenzene	50	63		1	126	2.8	70-130	20	12/29/2009 2122
1,2-Dichlorobenzene	50	49		1	98	2.9	70-130	20	12/29/2009 2122
1,3-Dichlorobenzene	50	63		1	126	2.2	70-130	20	12/29/2009 2122
Dichlorodifluoromethane	50	61		1	121	2.6	60-140	20	12/29/2009 2122
1,2-Dichloroethane	50	50		1	101	0.25	70-130	20	12/29/2009 2122
1,1-Dichloroethane	50	50		1	100	0.67	70-130	20	12/29/2009 2122
cis-1,2-Dichloroethene	50	49		1	99	1.1	70-130	20	12/29/2009 2122
1,1-Dichloroethene	50	57		1	114	0.27	70-130	20	12/29/2009 2122
trans-1,2-Dichloroethene	50	52		1	103	1.4	70-130	20	12/29/2009 2122
1,2-Dichloropropane	50	51		1	102	0.95	70-130	20	12/29/2009 2122
cis-1,3-Dichloropropene	50	55		1	110	1.4	70-130	20	12/29/2009 2122
trans-1,3-Dichloropropene	50	57		1	114	0.32	70-130	20	12/29/2009 2122
Ethylbenzene	50	52		1	104	2.4	70-130	20	12/29/2009 2122
2-Hexanone	100	110		1	109	4.4	60-140	20	12/29/2009 2122
Isopropylbenzene	50	56		1	111	2.4	70-130	20	12/29/2009 2122
Methyl acetate	50	57		1	113	2.2	15-128	20	12/29/2009 2122
Methyl tertiary butyl ether (MTBE)	50	50		1	101	0.99	70-130	20	12/29/2009 2122
4-Methyl-2-pentanone	100	110		1	105	3.7	60-140	20	12/29/2009 2122
Methylcyclohexane	50	64		1	128	1.7	70-130	20	12/29/2009 2122
Methylene chloride	50	56		1	113	1.5	70-130	20	12/29/2009 2122
Styrene	50	55		1	111	1.9	70-130	20	12/29/2009 2122
1,1,2,2-Tetrachloroethane	50	57		1	115	2.6	70-130	20	12/29/2009 2122
Tetrachloroethene	50	55		1	110	2.5	70-130	20	12/29/2009 2122
Toluene	50	50		1	100	1.8	70-130	20	12/29/2009 2122
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	62		1	124	1.9	70-130	20	12/29/2009 2122
1,2,4-Trichlorobenzene	50	65		1	130	2.3	70-130	20	12/29/2009 2122
1,1,2-Trichloroethane	50	54		1	108	0.85	70-130	20	12/29/2009 2122
1,1,1-Trichloroethane	50	56		1	113	1.3	70-130	20	12/29/2009 2122

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ24494-003

Matrix: Aqueous

Batch: 24494

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	52		1	103	2.9	70-130	20	12/29/2009 2122
Trichlorofluoromethane	50	59		1	118	2.4	60-140	20	12/29/2009 2122
Vinyl chloride	50	53		1	105	0.24	60-140	20	12/29/2009 2122
Xylenes (total)	100	100		1	104	2.2	70-130	20	12/29/2009 2122
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		102	70-130						
1,2-Dichloroethane-d4		104	70-130						
Toluene-d8		107	70-130						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: KQ24263-001

Matrix: Aqueous

Batch: 24263

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 12/24/2009 2015

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
1,1'-Biphenyl	ND		1	1.0	0.20	ug/L	01/05/2010 2120
2,4,5-Trichlorophenol	ND		1	1.0	0.18	ug/L	01/05/2010 2120
2,4,6-Trichlorophenol	ND		1	1.0	0.22	ug/L	01/05/2010 2120
2,4-Dichlorophenol	ND		1	1.0	0.15	ug/L	01/05/2010 2120
2,4-Dimethylphenol	ND		1	1.0	0.31	ug/L	01/05/2010 2120
2,4-Dinitrophenol	ND		1	5.0	0.25	ug/L	01/05/2010 2120
2,4-Dinitrotoluene	ND		1	2.0	0.45	ug/L	01/05/2010 2120
2,6-Dinitrotoluene	ND		1	2.0	0.40	ug/L	01/05/2010 2120
2-Chloronaphthalene	ND		1	1.0	0.12	ug/L	01/05/2010 2120
2-Chlorophenol	ND		1	1.0	0.13	ug/L	01/05/2010 2120
2-Methylnaphthalene	ND		1	1.0	0.080	ug/L	01/05/2010 2120
2-Methylphenol	ND		1	1.0	0.17	ug/L	01/05/2010 2120
2-Nitroaniline	ND		1	2.0	0.55	ug/L	01/05/2010 2120
2-Nitrophenol	ND		1	2.0	0.27	ug/L	01/05/2010 2120
3 & 4-Methylphenol	ND		1	2.0	0.57	ug/L	01/05/2010 2120
3,3'-Dichlorobenzidine	ND		1	5.0	0.81	ug/L	01/05/2010 2120
3-Nitroaniline	ND		1	2.0	0.77	ug/L	01/05/2010 2120
4,6-Dinitro-2-methylphenol	ND		1	5.0	1.5	ug/L	01/05/2010 2120
4-Bromophenyl phenyl ether	ND		1	1.0	0.12	ug/L	01/05/2010 2120
4-Chloro-3-methyl phenol	ND		1	1.0	0.22	ug/L	01/05/2010 2120
4-Chloroaniline	ND		1	1.0	0.13	ug/L	01/05/2010 2120
4-Chlorophenyl phenyl ether	ND		1	1.0	0.11	ug/L	01/05/2010 2120
4-Nitroaniline	ND		1	2.0	0.39	ug/L	01/05/2010 2120
4-Nitrophenol	ND		1	5.0	0.64	ug/L	01/05/2010 2120
Acenaphthene	ND		1	1.0	0.090	ug/L	01/05/2010 2120
Acenaphthylene	ND		1	1.0	0.16	ug/L	01/05/2010 2120
Acetophenone	ND		1	1.0	0.32	ug/L	01/05/2010 2120
Anthracene	ND		1	1.0	0.13	ug/L	01/05/2010 2120
Atrazine	ND		1	1.0	0.20	ug/L	01/05/2010 2120
Benzaldehyde	ND		1	5.0	1.0	ug/L	01/05/2010 2120
Benzo(a)anthracene	ND		1	1.0	0.15	ug/L	01/05/2010 2120
Benzo(a)pyrene	ND		1	1.0	0.16	ug/L	01/05/2010 2120
Benzo(b)fluoranthene	ND		1	1.0	0.20	ug/L	01/05/2010 2120
Benzo(g,h,i)perylene	ND		1	1.0	0.23	ug/L	01/05/2010 2120
Benzo(k)fluoranthene	ND		1	1.0	0.12	ug/L	01/05/2010 2120
bis(2-Chloroethoxy)methane	ND		1	1.0	0.13	ug/L	01/05/2010 2120
bis(2-Chloroethyl)ether	ND		1	1.0	0.13	ug/L	01/05/2010 2120
bis(2-Chloroisopropyl)ether	ND		1	1.0	0.080	ug/L	01/05/2010 2120
bis(2-Ethylhexyl)phthalate	ND		1	5.0	1.7	ug/L	01/05/2010 2120
Butyl benzyl phthalate	ND		1	5.0	1.7	ug/L	01/05/2010 2120
Caprolactam	ND		1	5.0	1.2	ug/L	01/05/2010 2120
Carbazole	ND		1	1.0	0.25	ug/L	01/05/2010 2120
Chrysene	ND		1	1.0	0.12	ug/L	01/05/2010 2120
Di-n-butyl phthalate	ND		1	5.0	1.7	ug/L	01/05/2010 2120

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: KQ24263-001

Matrix: Aqueous

Batch: 24263

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 12/24/2009 2015

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Di-n-octylphthalate	ND		1	5.0	1.7	ug/L	01/05/2010 2120
Dibenzo(a,h)anthracene	ND		1	1.0	0.13	ug/L	01/05/2010 2120
Dibenzofuran	ND		1	1.0	0.16	ug/L	01/05/2010 2120
Diethylphthalate	ND		1	5.0	1.7	ug/L	01/05/2010 2120
Dimethyl phthalate	ND		1	5.0	1.7	ug/L	01/05/2010 2120
Fluoranthene	ND		1	1.0	0.21	ug/L	01/05/2010 2120
Fluorene	ND		1	1.0	0.10	ug/L	01/05/2010 2120
Hexachlorobenzene	ND		1	1.0	0.21	ug/L	01/05/2010 2120
Hexachlorobutadiene	ND		1	1.0	0.090	ug/L	01/05/2010 2120
Hexachlorocyclopentadiene	ND		1	5.0	0.23	ug/L	01/05/2010 2120
Hexachloroethane	ND		1	1.0	0.11	ug/L	01/05/2010 2120
Indeno(1,2,3-c,d)pyrene	ND		1	1.0	0.23	ug/L	01/05/2010 2120
Isophorone	ND		1	1.0	0.080	ug/L	01/05/2010 2120
N-Nitrosodi-n-propylamine	ND		1	1.0	0.080	ug/L	01/05/2010 2120
N-Nitrosodiphenylamine (Diphenylamine)	ND		1	1.0	0.38	ug/L	01/05/2010 2120
Naphthalene	ND		1	1.0	0.070	ug/L	01/05/2010 2120
Nitrobenzene	ND		1	1.0	0.10	ug/L	01/05/2010 2120
Pentachlorophenol	ND		1	5.0	0.54	ug/L	01/05/2010 2120
Phenanthrene	ND		1	1.0	0.18	ug/L	01/05/2010 2120
Phenol	ND		1	1.0	0.11	ug/L	01/05/2010 2120
Pyrene	ND		1	1.0	0.16	ug/L	01/05/2010 2120
Surrogate	Q	% Rec	Acceptance Limit				
2,4,6-Tribromophenol		62	41-144				
2-Fluorobiphenyl		59	37-129				
2-Fluorophenol		57	24-127				
Nitrobenzene-d5		64	38-127				
Phenol-d5		57	28-128				
Terphenyl-d14		55	10-148				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: KQ24263-002

Matrix: Aqueous

Batch: 24263

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 12/24/2009 2015

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
2,4,5-Trichlorophenol	20	12		1	59	46-125	01/05/2010 2140
2,4,6-Trichlorophenol	20	12		1	59	36-123	01/05/2010 2140
2,4-Dichlorophenol	20	12		1	59	38-127	01/05/2010 2140
2,4-Dimethylphenol	20	10		1	50	36-110	01/05/2010 2140
2,4-Dinitrophenol	100	57		1	57	33-143	01/05/2010 2140
2,4-Dinitrotoluene	40	23		1	57	55-137	01/05/2010 2140
2,6-Dinitrotoluene	40	24		1	59	53-128	01/05/2010 2140
2-Chloronaphthalene	20	10		1	51	42-132	01/05/2010 2140
2-Chlorophenol	20	12		1	59	40-128	01/05/2010 2140
2-Methylnaphthalene	20	11		1	55	49-122	01/05/2010 2140
2-Methylphenol	20	9.0		1	45	33-122	01/05/2010 2140
2-Nitroaniline	40	23		1	59	48-126	01/05/2010 2140
2-Nitrophenol	40	23		1	58	44-131	01/05/2010 2140
3 & 4-Methylphenol	40	20		1	51	48-112	01/05/2010 2140
3-Nitroaniline	40	18		1	46	29-109	01/05/2010 2140
4,6-Dinitro-2-methylphenol	100	61		1	61	46-151	01/05/2010 2140
4-Bromophenyl phenyl ether	20	12		1	61	49-123	01/05/2010 2140
4-Chloro-3-methyl phenol	20	12		1	61	48-136	01/05/2010 2140
4-Chloroaniline	20	4.3		1	22	18-73	01/05/2010 2140
4-Chlorophenyl phenyl ether	20	12		1	61	34-124	01/05/2010 2140
4-Nitroaniline	40	22		1	56	42-154	01/05/2010 2140
4-Nitrophenol	100	62		1	62	43-145	01/05/2010 2140
Acenaphthene	20	12		1	59	51-130	01/05/2010 2140
Acenaphthylene	20	11		1	56	46-131	01/05/2010 2140
Anthracene	20	11		1	57	48-122	01/05/2010 2140
Benzo(a)anthracene	20	12		1	60	50-143	01/05/2010 2140
Benzo(a)pyrene	20	14		1	68	55-141	01/05/2010 2140
Benzo(b)fluoranthene	20	13		1	64	48-147	01/05/2010 2140
Benzo(g,h,i)perylene	20	12		1	60	48-139	01/05/2010 2140
Benzo(k)fluoranthene	20	12		1	59	48-148	01/05/2010 2140
bis(2-Chloroethoxy)methane	20	11		1	57	46-130	01/05/2010 2140
bis(2-Chloroethyl)ether	20	12		1	59	42-127	01/05/2010 2140
bis(2-Chloroisopropyl)ether	20	11		1	55	36-133	01/05/2010 2140
bis(2-Ethylhexyl)phthalate	20	13		1	64	40-141	01/05/2010 2140
Butyl benzyl phthalate	20	12		1	60	52-142	01/05/2010 2140
Carbazole	20	13		1	63	45-101	01/05/2010 2140
Chrysene	20	12		1	60	51-137	01/05/2010 2140
Di-n-butyl phthalate	20	13		1	64	50-134	01/05/2010 2140
Di-n-octylphthalate	20	12		1	61	50-136	01/05/2010 2140
Dibenzo(a,h)anthracene	20	12		1	60	48-139	01/05/2010 2140
Dibenzofuran	20	12		1	58	45-142	01/05/2010 2140
Diethylphthalate	20	12		1	62	48-124	01/05/2010 2140
Dimethyl phthalate	20	12		1	62	43-122	01/05/2010 2140
Fluoranthene	20	12		1	60	50-124	01/05/2010 2140

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: KQ24263-002

Matrix: Aqueous

Batch: 24263

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 12/24/2009 2015

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Fluorene	20	12		1	60	39-122	01/05/2010 2140
Hexachlorobenzene	20	12		1	59	46-125	01/05/2010 2140
Hexachlorobutadiene	20	11		1	57	38-121	01/05/2010 2140
Hexachlorocyclopentadiene	100	48		1	48	24-110	01/05/2010 2140
Hexachloroethane	20	12		1	58	32-109	01/05/2010 2140
Indeno(1,2,3-c,d)pyrene	20	12		1	60	49-146	01/05/2010 2140
Isophorone	20	12		1	62	43-118	01/05/2010 2140
N-Nitrosodi-n-propylamine	20	11		1	57	46-135	01/05/2010 2140
N-Nitrosodiphenylamine (Diphenylamine)	20	14		1	68	44-124	01/05/2010 2140
Naphthalene	20	11		1	56	45-118	01/05/2010 2140
Nitrobenzene	20	12		1	59	46-131	01/05/2010 2140
Pentachlorophenol	100	52		1	52	30-137	01/05/2010 2140
Phenanthrene	20	12		1	59	49-122	01/05/2010 2140
Phenol	20	9.8		1	49	35-118	01/05/2010 2140
Pyrene	20	12		1	61	50-130	01/05/2010 2140
Surrogate	Q	% Rec	Acceptance Limit				
2,4,6-Tribromophenol		69	41-144				
2-Fluorobiphenyl		62	37-129				
2-Fluorophenol		55	24-127				
Nitrobenzene-d5		65	38-127				
Phenol-d5		57	28-128				
Terphenyl-d14		55	10-148				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - MB

Sample ID: KQ24180-001

Matrix: Aqueous

Batch: 24180

Prep Method: 3520C

Analytical Method: 8081B

Prep Date: 12/23/2009 1413

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
4,4'-DDD	ND		1	0.025	0.0060	ug/L	12/31/2009 2341
4,4'-DDE	ND		1	0.025	0.0060	ug/L	12/31/2009 2341
4,4'-DDT	ND		1	0.025	0.0030	ug/L	12/31/2009 2341
Aldrin	ND		1	0.025	0.0020	ug/L	12/31/2009 2341
alpha-BHC	ND		1	0.025	0.0030	ug/L	12/31/2009 2341
alpha-Chlordane	ND		1	0.025	0.0030	ug/L	12/31/2009 2341
beta-BHC	ND		1	0.025	0.019	ug/L	12/31/2009 2341
delta-BHC	ND		1	0.025	0.0080	ug/L	12/31/2009 2341
Dieldrin	ND		1	0.025	0.0040	ug/L	12/31/2009 2341
Endosulfan I	ND		1	0.025	0.0060	ug/L	12/31/2009 2341
Endosulfan II	ND		1	0.025	0.024	ug/L	12/31/2009 2341
Endosulfan sulfate	ND		1	0.025	0.0030	ug/L	12/31/2009 2341
Endrin	ND		1	0.025	0.0050	ug/L	12/31/2009 2341
Endrin aldehyde	ND		1	0.025	0.0030	ug/L	12/31/2009 2341
Endrin ketone	ND		1	0.025	0.0040	ug/L	12/31/2009 2341
gamma-BHC (Lindane)	ND		1	0.025	0.0050	ug/L	12/31/2009 2341
gamma-Chlordane	ND		1	0.025	0.0030	ug/L	12/31/2009 2341
Heptachlor	ND		1	0.025	0.020	ug/L	12/31/2009 2341
Heptachlor epoxide	ND		1	0.025	0.0030	ug/L	12/31/2009 2341
Methoxychlor	ND		1	0.10	0.014	ug/L	12/31/2009 2341
Toxaphene	ND		1	0.25	0.030	ug/L	12/31/2009 2341
Surrogate	Q	% Rec	Acceptance Limit				
Decachlorobiphenyl		62	49-124				
Tetrachloro-m-xylene		86	58-122				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - LCS

Sample ID: KQ24180-002

Matrix: Aqueous

Batch: 24180

Prep Method: 3520C

Analytical Method: 8081B

Prep Date: 12/23/2009 1413

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
4,4'-DDD	0.50	0.45		1	91	70-130	01/01/2010 0001
4,4'-DDE	0.50	0.43		1	86	70-130	01/01/2010 0001
4,4'-DDT	0.50	0.42		1	84	70-130	01/01/2010 0001
Aldrin	0.50	0.42		1	83	70-130	01/01/2010 0001
alpha-BHC	0.50	0.42		1	84	70-130	01/01/2010 0001
beta-BHC	0.50	0.39		1	78	70-130	01/01/2010 0001
delta-BHC	0.50	0.44		1	87	70-130	01/01/2010 0001
Dieldrin	0.50	0.45		1	90	70-130	01/01/2010 0001
Endosulfan I	0.50	0.42		1	85	70-130	01/01/2010 0001
Endosulfan II	0.50	0.45		1	90	70-130	01/01/2010 0001
Endosulfan sulfate	0.50	0.46		1	92	70-130	01/01/2010 0001
Endrin	0.50	0.45		1	91	70-130	01/01/2010 0001
Endrin aldehyde	0.50	0.43		1	87	70-130	01/01/2010 0001
gamma-BHC (Lindane)	0.50	0.42		1	84	70-130	01/01/2010 0001
gamma-Chlordane	0.50	0.42		1	85	70-130	01/01/2010 0001
Heptachlor	0.50	0.41		1	83	70-130	01/01/2010 0001
Heptachlor epoxide	0.50	0.42		1	83	70-130	01/01/2010 0001
Methoxychlor	0.50	0.51		1	101	70-130	01/01/2010 0001
Surrogate	Q	% Rec	Acceptance Limit				
Decachlorobiphenyl		90	49-124				
Tetrachloro-m-xylene		84	58-122				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MB

Sample ID: KQ24099-001

Matrix: Aqueous

Batch: 24099

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/22/2009 1500

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Arsenic	ND		1	0.010	0.0040	mg/L	12/30/2009 0234
Barium	ND		1	0.025	0.0075	mg/L	12/30/2009 0234
Cadmium	ND		1	0.0020	0.00060	mg/L	12/30/2009 0234
Chromium	0.0038	J	1	0.0050	0.0021	mg/L	12/30/2009 0234
Lead	ND		1	0.010	0.0019	mg/L	12/30/2009 0234
Selenium	0.0034	J	1	0.010	0.0026	mg/L	12/31/2009 0042
Silver	ND		1	0.0050	0.00040	mg/L	12/31/2009 0042

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCS

Sample ID: KQ24099-002

Matrix: Aqueous

Batch: 24099

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/22/2009 1500

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Arsenic	0.40	0.39		1	98	80-120	12/30/2009 0240
Barium	2.0	2.1		1	104	80-120	12/30/2009 0240
Cadmium	0.40	0.38		1	95	80-120	12/30/2009 0240
Chromium	2.0	1.9		1	97	80-120	12/30/2009 0240
Lead	0.40	0.37		1	92	80-120	12/30/2009 0240
Selenium	0.40	0.42		1	105	80-120	12/31/2009 0048
Silver	0.40	0.44		1	109	80-120	12/31/2009 0048

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCSD

Sample ID: KQ24099-003

Matrix: Aqueous

Batch: 24099

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 12/22/2009 1500

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Arsenic	0.40	0.39		1	98	0.30	80-120	20	12/30/2009 0245
Barium	2.0	2.1		1	104	0.62	80-120	20	12/30/2009 0245
Cadmium	0.40	0.38		1	95	0.61	80-120	20	12/30/2009 0245
Chromium	2.0	1.9		1	97	0.34	80-120	20	12/30/2009 0245
Lead	0.40	0.35		1	88	4.1	80-120	20	12/30/2009 0245
Selenium	0.40	0.42		1	106	1.3	80-120	20	12/31/2009 0054
Silver	0.40	0.44		1	110	0.80	80-120	20	12/31/2009 0054

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - MB

Sample ID: KQ24024-001

Batch: 24024

Analytical Method: 7470A

Matrix: Aqueous

Prep Method: 7470A

Prep Date: 12/21/2009 1535

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Mercury	ND		1	0.00010	0.000053	mg/L	12/21/2009 2132

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - LCS

Sample ID: KQ24024-002

Batch: 24024

Analytical Method: 7470A

Matrix: Aqueous

Prep Method: 7470A

Prep Date: 12/21/2009 1535

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.0020	0.0019		1	93	85-115	12/21/2009 2134

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - LCSD

Sample ID: KQ24024-003

Matrix: Aqueous

Batch: 24024

Prep Method: 7470A

Analytical Method: 7470A

Prep Date: 12/21/2009 1535

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	0.0020	0.0019		1	95	2.1	85-115	20	12/21/2009 2137

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

SHEALY ENVIRONMENTAL SERVICES, INC.

West Columbia, South Carolina 29172

West Columbia, South Carolina 29172

Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 101525

Client ARCADIS		Report to Contact Janet Christy		Telephone No. / Fax No. / E-mail 864-957-3900		Quote No.	
Address 2849 Paces Ferry Rd		Sampler's Signature <i>[Signature]</i>		Maybill No.		Page 1 of 1	
City Atlanta		State GA		Zip Code 30339		Analysis (Attach list if more space is needed)	
Project Name HUNTER- HAA-01		Project No. GROBHAFS.H01B.NALTM		P.O. No.		Lot No. KL1617	
Samples for each sample may be combined on one line.)		Sample ID / Description		Date		Remarks / Cooler ID.	
HMW-4 (121709)		12/17/09		0920		✓	
HAA01-MW-17 (121709)		1150		X		✓	
HMW-24 (121709)		1315		X		✓	
HMW-23 (121709)		1420		X		✓	
HMW-6 (121709)		1540		X		✓	
HAA01-MW-16 (121709)		0923		X		✓	
TB-03 (121709)		0900		X		✓	
Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown Turn Around Time Required (Prior lab approval required for expedited TAT) ☒ Standard ☐ Rush (Specify)		Sample Disposal		☐ Return to Client ☐ Disposal by Lab		Note: All samples are released for six weeks from receipt unless other arrangements are made.	
		OC Requirements (Specify) 1. Received by Fidel 2. Received by 3. Laboratory received by <i>[Signature]</i>		Date 12/17/09 1900 Date Date Date		Time Time Time	
1. Relinquished by <i>[Signature]</i> 2. Relinquished by 3. Relinquished by		Date 12/17/09 0834 Date Date Date		Time Time Time		Date 12-18-09 0834 Date Date Date	
Comments Received on ice (Circle) Yes ☐ No ☒ Ice Pack		Received on ice (Circle) Yes ☐ No ☒ Ice Pack		Received on ice (Circle) Yes ☐ No ☒ Ice Pack		Received on ice (Circle) Yes ☐ No ☒ Ice Pack	

Document Number: FAD-012 Effective Date: 08-04-02

Report of Analysis

ARCADIS U.S., Inc.
30 Patewood Drive
Suite 155
Greenville, SC 29615
Attention: Allison Fang

Project Name: Hunter Stewart HAA-01

Project Number: GP08HAFS.H01C.DPCSR

Lot Number: NA31002

Date Completed: 02/02/2012



Nisreen Saikaly
Project Manager



This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

*** NA31002 ***

SHEALY ENVIRONMENTAL SERVICES, INC.

SC DHEC No: 32010

NELAC No: E87653

NC DENR No: 329

Case Narrative

ARCADIS U.S., Inc.

Lot Number: NA31002

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

SHEALY ENVIRONMENTAL SERVICES, INC.

Sample Summary ARCADIS U.S., Inc. Lot Number: NA31002

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	HA01-MW-12	Aqueous	01/30/2012 1340	01/31/2012
002	HA01-MW-14	Aqueous	01/30/2012 1440	01/31/2012
003	Trip Blank	Aqueous	01/30/2012	01/31/2012

(3 samples)

SHEALY ENVIRONMENTAL SERVICES, INC.

Executive Summary

ARCADIS U.S., Inc.

Lot Number: NA31002

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
002	HA01-MW-14	Aqueous	cis-1,2-Dichloroethene	8260B	0.93	J	ug/L	7

(1 detection)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: NA31002-001			
Description: HA01-MW-12				Matrix: Aqueous			
Date Sampled: 01/30/2012 1340							
Date Received: 01/31/2012							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	02/02/2012 1514	BM		76957		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	H = Out of holding time
ND = Not detected at or above the MDL	J = Estimated result < PQL and ≥ MDL	P = The RPD between two GC columns exceeds 40%	N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"		* = Reportable result (only when report all runs)	

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: NA31002-001

Description: HA01-MW-12

Matrix: Aqueous

Date Sampled: 01/30/2012 1340

Date Received: 01/31/2012

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		100	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

* = Reportable result (only when report all runs)

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 6 of 10

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: NA31002-002			
Description: HA01-MW-14				Matrix: Aqueous			
Date Sampled: 01/30/2012 1440							
Date Received: 01/31/2012							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	02/02/2012 1536	BM		76957		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	0.93	J	1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	H = Out of holding time
ND = Not detected at or above the MDL	J = Estimated result < PQL and ≥ MDL	P = The RPD between two GC columns exceeds 40%	N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"		* = Reportable result (only when report all runs)	

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.	Laboratory ID: NA31002-002
Description: HA01-MW-14	Matrix: Aqueous
Date Sampled: 01/30/2012 1440	
Date Received: 01/31/2012	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		101	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: NA31002-003			
Description: Trip Blank				Matrix: Aqueous			
Date Sampled: 01/30/2012							
Date Received: 01/31/2012							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	02/02/2012 1552	BM		76958		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1	
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1	
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1	
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1	
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1	
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1	
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1	
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1	
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1	
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1	
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1	
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1	
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1	
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1	
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1	
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1	
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1	
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1	
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1	
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1	
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1	
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1	
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1	
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1	
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1	
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1	
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1	
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1	
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1	
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1	
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1	
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1	
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1	
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1	
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1	
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1	
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1	
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1	

PQL = Practical quantitation limit	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	H = Out of holding time
ND = Not detected at or above the MDL	J = Estimated result < PQL and ≥ MDL	P = The RPD between two GC columns exceeds 40%	N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"		* = Reportable result (only when report all runs)	

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: NA31002-003

Description: Trip Blank

Matrix: Aqueous

Date Sampled: 01/30/2012

Date Received: 01/31/2012

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		106	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

* = Reportable result (only when report all runs)

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 10 of 10

Level 1 Report v2.1

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: NQ76957-001

Matrix: Aqueous

Batch: 76957

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	02/02/2012 0947
Benzene	ND		1	1.0	0.13	ug/L	02/02/2012 0947
Bromodichloromethane	ND		1	1.0	0.33	ug/L	02/02/2012 0947
Bromoform	ND		1	1.0	0.66	ug/L	02/02/2012 0947
Bromomethane (Methyl bromide)	ND		1	2.0	0.80	ug/L	02/02/2012 0947
2-Butanone (MEK)	ND		1	10	2.0	ug/L	02/02/2012 0947
Carbon disulfide	ND		1	1.0	0.097	ug/L	02/02/2012 0947
Carbon tetrachloride	ND		1	1.0	0.14	ug/L	02/02/2012 0947
Chlorobenzene	ND		1	2.0	0.33	ug/L	02/02/2012 0947
Chloroethane	ND		1	2.0	0.47	ug/L	02/02/2012 0947
Chloroform	ND		1	1.0	0.33	ug/L	02/02/2012 0947
Chloromethane (Methyl chloride)	ND		1	1.0	0.35	ug/L	02/02/2012 0947
Dibromochloromethane	ND		1	1.0	0.33	ug/L	02/02/2012 0947
1,3-Dichlorobenzene	ND		1	1.0	0.33	ug/L	02/02/2012 0947
1,4-Dichlorobenzene	ND		1	1.0	0.33	ug/L	02/02/2012 0947
1,2-Dichlorobenzene	ND		1	1.0	0.33	ug/L	02/02/2012 0947
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	02/02/2012 0947
1,1-Dichloroethane	ND		1	1.0	0.13	ug/L	02/02/2012 0947
cis-1,2-Dichloroethene	ND		1	1.0	0.12	ug/L	02/02/2012 0947
trans-1,2-Dichloroethene	ND		1	1.0	0.21	ug/L	02/02/2012 0947
1,1-Dichloroethene	ND		1	1.0	0.16	ug/L	02/02/2012 0947
1,2-Dichloropropane	ND		1	1.0	0.19	ug/L	02/02/2012 0947
trans-1,3-Dichloropropene	ND		1	1.0	0.11	ug/L	02/02/2012 0947
cis-1,3-Dichloropropene	ND		1	1.0	0.092	ug/L	02/02/2012 0947
Ethylbenzene	ND		1	1.0	0.33	ug/L	02/02/2012 0947
2-Hexanone	ND		1	10	0.27	ug/L	02/02/2012 0947
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	02/02/2012 0947
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	02/02/2012 0947
Methylene chloride	ND		1	1.0	0.33	ug/L	02/02/2012 0947
Styrene	ND		1	1.0	0.12	ug/L	02/02/2012 0947
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.16	ug/L	02/02/2012 0947
Tetrachloroethene	ND		1	1.0	0.13	ug/L	02/02/2012 0947
Toluene	ND		1	1.0	0.33	ug/L	02/02/2012 0947
1,2,4-Trichlorobenzene	ND		1	1.0	0.51	ug/L	02/02/2012 0947
1,1,2-Trichloroethane	ND		1	1.0	0.21	ug/L	02/02/2012 0947
1,1,1-Trichloroethane	ND		1	1.0	0.074	ug/L	02/02/2012 0947
Trichloroethene	ND		1	1.0	0.18	ug/L	02/02/2012 0947
Vinyl chloride	ND		1	1.0	0.054	ug/L	02/02/2012 0947
Xylenes (total)	ND		1	1.0	0.33	ug/L	02/02/2012 0947
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		103	70-130				
1,2-Dichloroethane-d4		99	70-130				
Toluene-d8		98	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: NQ76957-002

Matrix: Aqueous

Batch: 76957

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	130		1	125	70-130	02/02/2012 0823
Benzene	50	56		1	113	70-130	02/02/2012 0823
Bromodichloromethane	50	56		1	112	70-130	02/02/2012 0823
Bromoform	50	63		1	126	70-130	02/02/2012 0823
Bromomethane (Methyl bromide)	50	56		1	111	60-140	02/02/2012 0823
2-Butanone (MEK)	100	110		1	114	60-140	02/02/2012 0823
Carbon disulfide	50	51		1	102	60-140	02/02/2012 0823
Carbon tetrachloride	50	59		1	118	70-130	02/02/2012 0823
Chlorobenzene	50	56		1	112	70-130	02/02/2012 0823
Chloroethane	50	55		1	111	42-163	02/02/2012 0823
Chloroform	50	57		1	115	70-130	02/02/2012 0823
Chloromethane (Methyl chloride)	50	53		1	107	70-130	02/02/2012 0823
Dibromochloromethane	50	57		1	114	70-130	02/02/2012 0823
1,3-Dichlorobenzene	50	56		1	111	70-130	02/02/2012 0823
1,4-Dichlorobenzene	50	55		1	109	70-130	02/02/2012 0823
1,2-Dichlorobenzene	50	56		1	111	70-130	02/02/2012 0823
1,2-Dichloroethane	50	55		1	109	70-130	02/02/2012 0823
1,1-Dichloroethane	50	58		1	116	70-130	02/02/2012 0823
cis-1,2-Dichloroethene	50	58		1	116	70-130	02/02/2012 0823
trans-1,2-Dichloroethene	50	61		1	123	70-130	02/02/2012 0823
1,1-Dichloroethene	50	66	N	1	132	70-130	02/02/2012 0823
1,2-Dichloropropane	50	57		1	114	70-130	02/02/2012 0823
trans-1,3-Dichloropropene	50	56		1	113	70-130	02/02/2012 0823
cis-1,3-Dichloropropene	50	58		1	116	70-130	02/02/2012 0823
Ethylbenzene	50	57		1	113	70-130	02/02/2012 0823
2-Hexanone	100	100		1	104	60-140	02/02/2012 0823
Methyl tertiary butyl ether (MTBE)	50	60		1	119	70-130	02/02/2012 0823
4-Methyl-2-pentanone	100	110		1	107	60-140	02/02/2012 0823
Methylene chloride	50	60		1	119	70-130	02/02/2012 0823
Styrene	50	57		1	114	70-130	02/02/2012 0823
1,1,2,2-Tetrachloroethane	50	57		1	113	60-140	02/02/2012 0823
Tetrachloroethene	50	57		1	113	70-130	02/02/2012 0823
Toluene	50	56		1	112	70-130	02/02/2012 0823
1,2,4-Trichlorobenzene	50	52		1	105	70-130	02/02/2012 0823
1,1,2-Trichloroethane	50	55		1	110	70-130	02/02/2012 0823
1,1,1-Trichloroethane	50	58		1	117	70-130	02/02/2012 0823
Trichloroethene	50	57		1	115	70-130	02/02/2012 0823
Vinyl chloride	50	58		1	116	70-130	02/02/2012 0823
Xylenes (total)	100	120		1	115	70-130	02/02/2012 0823
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		102	70-130				
1,2-Dichloroethane-d4		97	70-130				
Toluene-d8		100	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: NQ76957-003

Batch: 76957

Analytical Method: 8260B

Matrix: Aqueous

Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	100		1	104	19	70-130	20	02/02/2012 0844
Benzene	50	55		1	111	1.7	70-130	20	02/02/2012 0844
Bromodichloromethane	50	55		1	109	2.5	70-130	20	02/02/2012 0844
Bromoform	50	60		1	120	4.9	70-130	20	02/02/2012 0844
Bromomethane (Methyl bromide)	50	54		1	108	2.4	60-140	20	02/02/2012 0844
2-Butanone (MEK)	100	110		1	107	5.8	60-140	20	02/02/2012 0844
Carbon disulfide	50	49		1	98	4.0	60-140	20	02/02/2012 0844
Carbon tetrachloride	50	57		1	113	3.8	70-130	20	02/02/2012 0844
Chlorobenzene	50	55		1	110	2.3	70-130	20	02/02/2012 0844
Chloroethane	50	54		1	108	2.2	42-163	20	02/02/2012 0844
Chloroform	50	55		1	111	3.5	70-130	20	02/02/2012 0844
Chloromethane (Methyl chloride)	50	52		1	104	2.9	70-130	20	02/02/2012 0844
Dibromochloromethane	50	56		1	112	1.8	70-130	20	02/02/2012 0844
1,3-Dichlorobenzene	50	55		1	110	1.4	70-130	20	02/02/2012 0844
1,4-Dichlorobenzene	50	53		1	107	2.6	70-130	20	02/02/2012 0844
1,2-Dichlorobenzene	50	54		1	107	3.5	70-130	20	02/02/2012 0844
1,2-Dichloroethane	50	53		1	107	2.1	70-130	20	02/02/2012 0844
1,1-Dichloroethane	50	57		1	113	2.5	70-130	20	02/02/2012 0844
cis-1,2-Dichloroethene	50	56		1	112	3.5	70-130	20	02/02/2012 0844
trans-1,2-Dichloroethene	50	60		1	119	2.9	70-130	20	02/02/2012 0844
1,1-Dichloroethene	50	64		1	129	2.4	70-130	20	02/02/2012 0844
1,2-Dichloropropane	50	56		1	112	1.7	70-130	20	02/02/2012 0844
trans-1,3-Dichloropropene	50	56		1	113	0.25	70-130	20	02/02/2012 0844
cis-1,3-Dichloropropene	50	57		1	114	1.8	70-130	20	02/02/2012 0844
Ethylbenzene	50	56		1	111	1.9	70-130	20	02/02/2012 0844
2-Hexanone	100	100		1	101	3.1	60-140	20	02/02/2012 0844
Methyl tertiary butyl ether (MTBE)	50	57		1	114	4.1	70-130	20	02/02/2012 0844
4-Methyl-2-pentanone	100	100		1	103	3.4	60-140	20	02/02/2012 0844
Methylene chloride	50	57		1	115	3.6	70-130	20	02/02/2012 0844
Styrene	50	55		1	109	4.1	70-130	20	02/02/2012 0844
1,1,2,2-Tetrachloroethane	50	54		1	107	5.0	60-140	20	02/02/2012 0844
Tetrachloroethene	50	56		1	113	0.78	70-130	20	02/02/2012 0844
Toluene	50	55		1	109	2.6	70-130	20	02/02/2012 0844
1,2,4-Trichlorobenzene	50	51		1	103	1.9	70-130	20	02/02/2012 0844
1,1,2-Trichloroethane	50	55		1	110	0.25	70-130	20	02/02/2012 0844
1,1,1-Trichloroethane	50	57		1	113	3.2	70-130	20	02/02/2012 0844
Trichloroethene	50	56		1	112	2.4	70-130	20	02/02/2012 0844
Vinyl chloride	50	56		1	111	3.8	70-130	20	02/02/2012 0844
Xylenes (total)	100	110		1	111	3.4	70-130	20	02/02/2012 0844
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		98	70-130						
1,2-Dichloroethane-d4		100	70-130						
Toluene-d8		99	70-130						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

QC Data for Lot Number: NA31002

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS - MB

Sample ID: NQ76958-001

Matrix: Aqueous

Batch: 76958

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	02/02/2012 0849
Benzene	ND		1	1.0	0.13	ug/L	02/02/2012 0849
Bromodichloromethane	ND		1	1.0	0.33	ug/L	02/02/2012 0849
Bromoform	ND		1	1.0	0.66	ug/L	02/02/2012 0849
Bromomethane (Methyl bromide)	ND		1	2.0	0.80	ug/L	02/02/2012 0849
2-Butanone (MEK)	ND		1	10	2.0	ug/L	02/02/2012 0849
Carbon disulfide	ND		1	1.0	0.097	ug/L	02/02/2012 0849
Carbon tetrachloride	ND		1	1.0	0.14	ug/L	02/02/2012 0849
Chlorobenzene	ND		1	2.0	0.33	ug/L	02/02/2012 0849
Chloroethane	ND		1	2.0	0.47	ug/L	02/02/2012 0849
Chloroform	ND		1	1.0	0.33	ug/L	02/02/2012 0849
Chloromethane (Methyl chloride)	ND		1	1.0	0.35	ug/L	02/02/2012 0849
Dibromochloromethane	ND		1	1.0	0.33	ug/L	02/02/2012 0849
1,2-Dichlorobenzene	ND		1	1.0	0.33	ug/L	02/02/2012 0849
1,4-Dichlorobenzene	ND		1	1.0	0.33	ug/L	02/02/2012 0849
1,3-Dichlorobenzene	ND		1	1.0	0.33	ug/L	02/02/2012 0849
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	02/02/2012 0849
1,1-Dichloroethane	ND		1	1.0	0.13	ug/L	02/02/2012 0849
trans-1,2-Dichloroethene	ND		1	1.0	0.21	ug/L	02/02/2012 0849
cis-1,2-Dichloroethene	ND		1	1.0	0.12	ug/L	02/02/2012 0849
1,1-Dichloroethene	ND		1	1.0	0.16	ug/L	02/02/2012 0849
1,2-Dichloropropane	ND		1	1.0	0.19	ug/L	02/02/2012 0849
trans-1,3-Dichloropropene	ND		1	1.0	0.11	ug/L	02/02/2012 0849
cis-1,3-Dichloropropene	ND		1	1.0	0.092	ug/L	02/02/2012 0849
Ethylbenzene	ND		1	1.0	0.33	ug/L	02/02/2012 0849
2-Hexanone	ND		1	10	0.27	ug/L	02/02/2012 0849
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	02/02/2012 0849
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	02/02/2012 0849
Methylene chloride	ND		1	1.0	0.33	ug/L	02/02/2012 0849
Styrene	ND		1	1.0	0.12	ug/L	02/02/2012 0849
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.16	ug/L	02/02/2012 0849
Tetrachloroethene	ND		1	1.0	0.13	ug/L	02/02/2012 0849
Toluene	ND		1	1.0	0.33	ug/L	02/02/2012 0849
1,2,4-Trichlorobenzene	ND		1	1.0	0.51	ug/L	02/02/2012 0849
1,1,1-Trichloroethane	ND		1	1.0	0.074	ug/L	02/02/2012 0849
1,1,2-Trichloroethane	ND		1	1.0	0.21	ug/L	02/02/2012 0849
Trichloroethene	ND		1	1.0	0.18	ug/L	02/02/2012 0849
Vinyl chloride	ND		1	1.0	0.054	ug/L	02/02/2012 0849
Xylenes (total)	ND		1	1.0	0.33	ug/L	02/02/2012 0849
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		100	70-130				
1,2-Dichloroethane-d4		100	70-130				
Toluene-d8		100	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: NQ76958-002

Matrix: Aqueous

Batch: 76958

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	110		1	106	70-130	02/02/2012 0717
Benzene	50	52		1	104	70-130	02/02/2012 0717
Bromodichloromethane	50	50		1	100	70-130	02/02/2012 0717
Bromoform	50	49		1	98	70-130	02/02/2012 0717
Bromomethane (Methyl bromide)	50	58		1	117	60-140	02/02/2012 0717
2-Butanone (MEK)	100	120		1	117	60-140	02/02/2012 0717
Carbon disulfide	50	53		1	106	60-140	02/02/2012 0717
Carbon tetrachloride	50	56		1	112	70-130	02/02/2012 0717
Chlorobenzene	50	52		1	104	70-130	02/02/2012 0717
Chloroethane	50	59		1	117	42-163	02/02/2012 0717
Chloroform	50	55		1	110	70-130	02/02/2012 0717
Chloromethane (Methyl chloride)	50	67	N	1	134	70-130	02/02/2012 0717
Dibromochloromethane	50	52		1	104	70-130	02/02/2012 0717
1,2-Dichlorobenzene	50	52		1	104	70-130	02/02/2012 0717
1,4-Dichlorobenzene	50	52		1	104	70-130	02/02/2012 0717
1,3-Dichlorobenzene	50	52		1	105	70-130	02/02/2012 0717
1,2-Dichloroethane	50	54		1	109	70-130	02/02/2012 0717
1,1-Dichloroethane	50	54		1	107	70-130	02/02/2012 0717
trans-1,2-Dichloroethene	50	52		1	104	70-130	02/02/2012 0717
cis-1,2-Dichloroethene	50	52		1	104	70-130	02/02/2012 0717
1,1-Dichloroethene	50	55		1	111	70-130	02/02/2012 0717
1,2-Dichloropropane	50	53		1	105	70-130	02/02/2012 0717
trans-1,3-Dichloropropene	50	53		1	105	70-130	02/02/2012 0717
cis-1,3-Dichloropropene	50	55		1	110	70-130	02/02/2012 0717
Ethylbenzene	50	52		1	105	70-130	02/02/2012 0717
2-Hexanone	100	110		1	108	60-140	02/02/2012 0717
Methyl tertiary butyl ether (MTBE)	50	55		1	110	70-130	02/02/2012 0717
4-Methyl-2-pentanone	100	110		1	115	60-140	02/02/2012 0717
Methylene chloride	50	53		1	106	70-130	02/02/2012 0717
Styrene	50	54		1	107	70-130	02/02/2012 0717
1,1,2,2-Tetrachloroethane	50	55		1	109	60-140	02/02/2012 0717
Tetrachloroethene	50	52		1	104	70-130	02/02/2012 0717
Toluene	50	53		1	106	70-130	02/02/2012 0717
1,2,4-Trichlorobenzene	50	52		1	105	70-130	02/02/2012 0717
1,1,1-Trichloroethane	50	54		1	108	70-130	02/02/2012 0717
1,1,2-Trichloroethane	50	51		1	101	70-130	02/02/2012 0717
Trichloroethene	50	53		1	106	70-130	02/02/2012 0717
Vinyl chloride	50	69	N	1	139	70-130	02/02/2012 0717
Xylenes (total)	100	100		1	104	70-130	02/02/2012 0717
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		99	70-130				
1,2-Dichloroethane-d4		107	70-130				
Toluene-d8		100	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: NQ76958-003

Batch: 76958

Analytical Method: 8260B

Matrix: Aqueous

Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	71	+	1	71	40	70-130	20	02/02/2012 0740
Benzene	50	52		1	104	0.91	70-130	20	02/02/2012 0740
Bromodichloromethane	50	49		1	98	2.0	70-130	20	02/02/2012 0740
Bromoform	50	45		1	91	7.8	70-130	20	02/02/2012 0740
Bromomethane (Methyl bromide)	50	60		1	119	2.2	60-140	20	02/02/2012 0740
2-Butanone (MEK)	100	100		1	105	11	60-140	20	02/02/2012 0740
Carbon disulfide	50	50		1	101	5.3	60-140	20	02/02/2012 0740
Carbon tetrachloride	50	55		1	110	2.0	70-130	20	02/02/2012 0740
Chlorobenzene	50	52		1	105	0.60	70-130	20	02/02/2012 0740
Chloroethane	50	58		1	117	0.56	42-163	20	02/02/2012 0740
Chloroform	50	52		1	104	5.8	70-130	20	02/02/2012 0740
Chloromethane (Methyl chloride)	50	67	N	1	135	0.92	70-130	20	02/02/2012 0740
Dibromochloromethane	50	51		1	102	2.0	70-130	20	02/02/2012 0740
1,2-Dichlorobenzene	50	52		1	105	0.45	70-130	20	02/02/2012 0740
1,4-Dichlorobenzene	50	53		1	106	1.0	70-130	20	02/02/2012 0740
1,3-Dichlorobenzene	50	54		1	108	2.5	70-130	20	02/02/2012 0740
1,2-Dichloroethane	50	52		1	103	4.9	70-130	20	02/02/2012 0740
1,1-Dichloroethane	50	50		1	100	6.6	70-130	20	02/02/2012 0740
trans-1,2-Dichloroethene	50	49		1	98	6.2	70-130	20	02/02/2012 0740
cis-1,2-Dichloroethene	50	49		1	98	6.0	70-130	20	02/02/2012 0740
1,1-Dichloroethene	50	53		1	105	5.1	70-130	20	02/02/2012 0740
1,2-Dichloropropane	50	51		1	102	3.4	70-130	20	02/02/2012 0740
trans-1,3-Dichloropropene	50	54		1	107	1.9	70-130	20	02/02/2012 0740
cis-1,3-Dichloropropene	50	54		1	108	1.8	70-130	20	02/02/2012 0740
Ethylbenzene	50	54		1	107	2.0	70-130	20	02/02/2012 0740
2-Hexanone	100	98		1	98	9.6	60-140	20	02/02/2012 0740
Methyl tertiary butyl ether (MTBE)	50	50		1	100	9.6	70-130	20	02/02/2012 0740
4-Methyl-2-pentanone	100	100		1	100	13	60-140	20	02/02/2012 0740
Methylene chloride	50	48		1	95	11	70-130	20	02/02/2012 0740
Styrene	50	54		1	108	0.71	70-130	20	02/02/2012 0740
1,1,2,2-Tetrachloroethane	50	51		1	102	6.5	60-140	20	02/02/2012 0740
Tetrachloroethene	50	54		1	108	3.6	70-130	20	02/02/2012 0740
Toluene	50	53		1	106	0.13	70-130	20	02/02/2012 0740
1,2,4-Trichlorobenzene	50	54		1	108	2.9	70-130	20	02/02/2012 0740
1,1,1-Trichloroethane	50	53		1	107	1.5	70-130	20	02/02/2012 0740
1,1,2-Trichloroethane	50	50		1	99	2.0	70-130	20	02/02/2012 0740
Trichloroethene	50	54		1	109	2.5	70-130	20	02/02/2012 0740
Vinyl chloride	50	72	N	1	143	3.2	70-130	20	02/02/2012 0740
Xylenes (total)	100	110		1	107	2.1	70-130	20	02/02/2012 0740
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		97	70-130						
1,2-Dichloroethane-d4		103	70-130						
Toluene-d8		98	70-130						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

QC Data for Lot Number: NA31002

Level 1 Report v2.1

Shealy Environmental Services, Inc.

106 Vantage Point Drive

West Columbia, South Carolina 29172

Telephone No. (803) 791-9700 Fax No. (803) 791-9111

www.sheafylab.com

Number 11771

Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 9

Page 1 of 1
Replaces Date: 05/06/11
Effective Date: 10/11/11

Sample Receipt Checklist (SRC)

Client: Arca-d's Cooler Inspected by/date: ELU 1/21/12 Lot #: NA 31002

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☒ FedEx ☐ Airborne Exp ☐ Other		
Yes ☒ No ☐	1. Were custody seals present on the cooler?	
Yes ☒ No ☐	2. If custody seals were present, were they intact and unbroken?	
Cooler ID/temperature upon receipt: <u>1-0</u> °C / °C / °C / °C		
Method: ☐ Temperature Blank ☒ Against Bottles		
Method of coolant: ☒ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None		
If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.		
Yes ☐ No ☐ NA ☒	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other: _____ (For coolers received via commercial courier, PMs are to be notified immediately.)	
Yes ☒ No ☐ NA ☐	4. Is the commercial courier's packing slip attached to this form?	
Yes ☒ No ☐ NA ☐	5. Were proper custody procedures (relinquished/received) followed?	
Yes ☐ No ☒ NA ☐	5a Were samples relinquished by client to commercial courier?	
Yes ☒ No ☐ NA ☐	6. Were sample IDs listed?	
Yes ☒ No ☐ NA ☐	7. Was collection date & time listed?	
Yes ☒ No ☐ NA ☐	8. Were tests to be performed listed on the COC?	
Yes ☒ No ☐ NA ☐	9. Did all samples arrive in the proper containers for each test?	
Yes ☒ No ☐ NA ☐	10. Did all container label information (ID, date, time) agree with COC?	
Yes ☒ No ☐ NA ☐	11. Did all containers arrive in good condition (unbroken, lids on, etc.)?	
Yes ☒ No ☐ NA ☐	12. Was adequate sample volume available?	
Yes ☒ No ☐ NA ☐	13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?	
Yes ☐ No ☒ NA ☐	14. Were any samples containers missing?	
Yes ☐ No ☒ NA ☐	15. Were there any excess samples not listed on COC?	
Yes ☒ No ☐ NA ☐	16. Were bubbles present >"pea-size" (¼" or 6mm in diameter) in any VOA vials?	
Yes ☐ No ☐ NA ☒	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?	
Yes ☐ No ☐ NA ☒	18. Were all cyanide and/or sulfide samples received at a pH >12?	
Yes ☐ No ☐ NA ☒	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) samples free of residual chlorine?	
Yes ☐ No ☐ NA ☒	20. Were collection temperatures documented on the COC for NC samples?	
Yes ☐ No ☐ NA ☒	21. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc...) correctly transcribed from the COC into the comment section in LIMS?	
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)		
Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H ₂ SO ₄ , HNO ₃ , HCl, NaOH) with the SR # (number)		
Sample(s) <u>1-003 (TS) (2)</u> were received with bubbles >6 mm in diameter.		
Sample(s) _____		
TKN/cyanide/BNA/pest/PCB/herb. _____		
Corrective Action taken, if necessary:		
Was client notified: Yes ☐ No ☐		
SESI employee: _____		
Comments: _____		
Company: <u>ARCADIS G & M OF NC INC</u>		
Address: <u>801 CORPORATE CENTER DR</u>		
City: <u>RALEIGH</u> State: <u>NC</u> ZIP: <u>27607-5073</u>		
Internal Billing Reference: <u>68004055 4016</u>		

Report of Analysis

ARCADIS U.S., Inc.
30 Patewood Drive
Suite 155
Greenville, SC 29615
Attention: Rachelle Born

Project Name: Hunter Stewart H01

Project Number: GP08HAFS.H01C

Lot Number: NB17010

Date Completed: 03/02/2012



Nisreen Saikaly
Project Manager



This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

*** NB17010 ***

SHEALY ENVIRONMENTAL SERVICES, INC.

SC DHEC No: 32010

NELAC No: E87653

NC DENR No: 329

Case Narrative ARCADIS U.S., Inc. Lot Number: NB17010

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Pesticides

The LCS for Endrin aldehyde was outside method control limits in batch 78136. The surrogate recovery for the LCS and sample -001 was outside method control limits in this batch. The associated sample (-002) was re-extracted and re-analyzed outside the holding time. All runs are reported.

Semivolatile Organic Compounds

The LCS/LCSD recovery for 4-Chloroaniline was slightly outside method control limits in batch 78138. As per method, it is statistically likely that a few analytes will be outside control limits; up to five analytes may marginally exceed the control limits. Therefore the associated sample results were reported and no corrective action was required.

The MS/MSD recoveries in batch 78138 were outside acceptance criteria. All other QA/QC criteria for the batch were within acceptance criteria and method control limits. The MS/MSD recovery results are attributed to matrix interference. The associated sample results were reported and no corrective action was required.

SHEALY ENVIRONMENTAL SERVICES, INC.

Sample Summary ARCADIS U.S., Inc. Lot Number: NB17010

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	H01-MW-7D	Aqueous	02/16/2012 1600	02/17/2012
002	TRIP BLANK	Aqueous	02/16/2012 1600	02/17/2012

(2 samples)

SHEALY ENVIRONMENTAL SERVICES, INC.

Executive Summary

ARCADIS U.S., Inc.

Lot Number: NB17010

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	H01-MW-7D	Aqueous	Toluene	8260B	0.65	J	ug/L	5
001	H01-MW-7D	Aqueous	bis(2-Ethylhexyl)phthalate	8270D	2.3	J	ug/L	7
001	H01-MW-7D	Aqueous	gamma-BHC (Lindane)	8081B	0.0040	JPH	ug/L	11
001	H01-MW-7D	Aqueous	Barium	6010C	0.012	J	mg/L	12
002	TRIP BLANK	Aqueous	Methylene chloride	8260B	0.66	J	ug/L	13

(5 detections)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: NB17010-001			
Description: H01-MW-7D				Matrix: Aqueous			
Date Sampled: 02/16/2012 1600							
Date Received: 02/17/2012							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	02/25/2012 1637	LBS		78695		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1	
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1	
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1	
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1	
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1	
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1	
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1	
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1	
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1	
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1	
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1	
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1	
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1	
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1	
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1	
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1	
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1	
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1	
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1	
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1	
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1	
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1	
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1	
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1	
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1	
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1	
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1	
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1	
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1	
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1	
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1	
Toluene	108-88-3	8260B	0.65	J	1.0	0.33	ug/L	1	
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1	
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1	
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1	
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1	
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1	
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1	

PQL = Practical quantitation limit	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	H = Out of holding time
ND = Not detected at or above the MDL	J = Estimated result < PQL and ≥ MDL	P = The RPD between two GC columns exceeds 40%	N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"		* = Reportable result (only when report all runs)	

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.	Laboratory ID: NB17010-001
Description: H01-MW-7D	Matrix: Aqueous
Date Sampled: 02/16/2012 1600	
Date Received: 02/17/2012	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		112	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

* = Reportable result (only when report all runs)

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: NB17010-001

Description: H01-MW-7D

Matrix: Aqueous

Date Sampled: 02/16/2012 1600

Date Received: 02/17/2012

Run 1	Prep Method 3520C	Analytical Method 8270D	Dilution 1	Analysis Date 02/24/2012 2225	Analyst TAF	Prep Date 02/20/2012 1345	Batch 78138			
Parameter			CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene			83-32-9	8270D	ND		1.1	0.095	ug/L	1
Acenaphthylene			208-96-8	8270D	ND		1.1	0.17	ug/L	1
Anthracene			120-12-7	8270D	ND		1.1	0.14	ug/L	1
Benzo(a)anthracene			56-55-3	8270D	ND		1.1	0.16	ug/L	1
Benzo(a)pyrene			50-32-8	8270D	ND		1.1	0.17	ug/L	1
Benzo(b)fluoranthene			205-99-2	8270D	ND		1.1	0.21	ug/L	1
Benzo(g,h,i)perylene			191-24-2	8270D	ND		1.1	0.24	ug/L	1
Benzo(k)fluoranthene			207-08-9	8270D	ND		1.1	0.13	ug/L	1
4-Bromophenyl phenyl ether			101-55-3	8270D	ND		1.1	0.13	ug/L	1
Butyl benzyl phthalate			85-68-7	8270D	ND		5.3	1.8	ug/L	1
Carbazole			86-74-8	8270D	ND		1.1	0.26	ug/L	1
4-Chloro-3-methyl phenol			59-50-7	8270D	ND		1.1	0.23	ug/L	1
4-Chloroaniline			106-47-8	8270D	ND		1.1	0.14	ug/L	1
bis(2-Chloroethoxy)methane			111-91-1	8270D	ND		1.1	0.14	ug/L	1
bis(2-Chloroisopropyl)ether			108-60-1	8270D	ND		1.1	0.084	ug/L	1
2-Chloronaphthalene			91-58-7	8270D	ND		1.1	0.13	ug/L	1
2-Chlorophenol			95-57-8	8270D	ND		1.1	0.14	ug/L	1
4-Chlorophenyl phenyl ether			7005-72-3	8270D	ND		1.1	0.12	ug/L	1
Chrysene			218-01-9	8270D	ND		1.1	0.13	ug/L	1
Dibenzo(a,h)anthracene			53-70-3	8270D	ND		1.1	0.14	ug/L	1
Dibenzofuran			132-64-9	8270D	ND		1.1	0.17	ug/L	1
3,3'-Dichlorobenzidine			91-94-1	8270D	ND		5.3	0.85	ug/L	1
2,4-Dichlorophenol			120-83-2	8270D	ND		1.1	0.16	ug/L	1
Diethylphthalate			84-66-2	8270D	ND		5.3	1.8	ug/L	1
Dimethyl phthalate			131-11-3	8270D	ND		5.3	1.8	ug/L	1
2,4-Dimethylphenol			105-67-9	8270D	ND		1.1	0.33	ug/L	1
Di-n-butyl phthalate			84-74-2	8270D	ND		5.3	1.8	ug/L	1
4,6-Dinitro-2-methylphenol			534-52-1	8270D	ND		5.3	1.6	ug/L	1
2,4-Dinitrophenol			51-28-5	8270D	ND		5.3	0.26	ug/L	1
2,4-Dinitrotoluene			121-14-2	8270D	ND		2.1	0.47	ug/L	1
2,6-Dinitrotoluene			606-20-2	8270D	ND		2.1	0.42	ug/L	1
Di-n-octylphthalate			117-84-0	8270D	ND		5.3	1.8	ug/L	1
bis(2-Ethylhexyl)phthalate			117-81-7	8270D	2.3	J	5.3	1.8	ug/L	1
Fluoranthene			206-44-0	8270D	ND		1.1	0.22	ug/L	1
Fluorene			86-73-7	8270D	ND		1.1	0.11	ug/L	1
Hexachlorobenzene			118-74-1	8270D	ND		1.1	0.22	ug/L	1
Hexachlorobutadiene			87-68-3	8270D	ND		1.1	0.095	ug/L	1
Hexachlorocyclopentadiene			77-47-4	8270D	ND		5.3	0.24	ug/L	1
Hexachloroethane			67-72-1	8270D	ND		1.1	0.12	ug/L	1
Indeno(1,2,3-c,d)pyrene			193-39-5	8270D	ND		1.1	0.24	ug/L	1
Isophorone			78-59-1	8270D	ND		1.1	0.084	ug/L	1
2-Methylnaphthalene			91-57-6	8270D	ND		1.1	0.084	ug/L	1
2-Methylphenol			95-48-7	8270D	ND		1.1	0.18	ug/L	1
3 & 4-Methylphenol			106-44-5	8270D	ND		2.1	0.60	ug/L	1
PQL = Practical quantitation limit			B = Detected in the method blank			E = Quantitation of compound exceeded the calibration range			H = Out of holding time	
ND = Not detected at or above the MDL			J = Estimated result < PQL and ≥ MDL			P = The RPD between two GC columns exceeds 40%			N = Recovery is out of criteria	
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"					* = Reportable result (only when report all runs)					

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: NB17010-001

Description: H01-MW-7D

Matrix: Aqueous

Date Sampled: 02/16/2012 1600

Date Received: 02/17/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	02/24/2012 2225	TAF	02/20/2012 1345	78138

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Naphthalene	91-20-3	8270D	ND		1.1	0.074	ug/L	1
2-Nitroaniline	88-74-4	8270D	ND		2.1	0.58	ug/L	1
3-Nitroaniline	99-09-2	8270D	ND		2.1	0.81	ug/L	1
4-Nitroaniline	100-01-6	8270D	ND		2.1	0.41	ug/L	1
Nitrobenzene	98-95-3	8270D	ND		1.1	0.11	ug/L	1
2-Nitrophenol	88-75-5	8270D	ND		2.1	0.28	ug/L	1
4-Nitrophenol	100-02-7	8270D	ND		5.3	0.67	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		1.1	0.084	ug/L	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		1.1	0.40	ug/L	1
Pentachlorophenol	87-86-5	8270D	ND		5.3	0.57	ug/L	1
Phenanthrene	85-01-8	8270D	ND		1.1	0.19	ug/L	1
Phenol	108-95-2	8270D	ND		1.1	0.12	ug/L	1
Pyrene	129-00-0	8270D	ND		1.1	0.17	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		1.1	0.19	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		1.1	0.23	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		67	37-129
2-Fluorophenol		60	24-127
Nitrobenzene-d5		63	38-127
Phenol-d5		69	28-128
Terphenyl-d14		52	10-148
2,4,6-Tribromophenol		78	41-144

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

* = Reportable result (only when report all runs)

Herbicides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: NB17010-001			
Description: H01-MW-7D				Matrix: Aqueous			
Date Sampled: 02/16/2012 1600							
Date Received: 02/17/2012							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch			
1	8151A	8151A	1	02/22/2012 1751	MPM	02/20/2012 2027	78231			
Parameter			CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2,4-D			94-75-7	8151A	ND		2.2	0.43	ug/L	1
2,4,5-T			93-76-5	8151A	ND		0.54	0.11	ug/L	1
2,4,5-TP (Silvex)			93-72-1	8151A	ND		0.54	0.11	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits							
DCAA		82	62-117							

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

* = Reportable result (only when report all runs)

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.	Laboratory ID: NB17010-001
Description: H01-MW-7D	Matrix: Aqueous
Date Sampled: 02/16/2012 1600	
Date Received: 02/17/2012	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	02/23/2012 2314	NCM	02/20/2012 1630	78136
2	3520C	8081B	1	03/01/2012 2222	NCM	02/27/2012 1720	78792

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND*		0.026	0.0018	ug/L	1
alpha-BHC	319-84-6	8081B	ND*		0.026	0.0010	ug/L	1
beta-BHC	319-85-7	8081B	ND*		0.026	0.0040	ug/L	1
delta-BHC	319-86-8	8081B	ND*		0.026	0.0011	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.026	0.0011	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND*		0.026	0.0013	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND*		0.026	0.0015	ug/L	1
4,4'-DDD	72-54-8	8081B	ND*		0.026	0.0010	ug/L	1
4,4'-DDE	72-55-9	8081B	ND*		0.026	0.011	ug/L	1
4,4'-DDT	50-29-3	8081B	ND*		0.026	0.0021	ug/L	1
Dieldrin	60-57-1	8081B	ND*		0.026	0.0010	ug/L	1
Endosulfan I	959-98-8	8081B	ND*		0.026	0.0023	ug/L	1
Endosulfan II	33213-65-9	8081B	ND*		0.026	0.0015	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND*		0.026	0.0011	ug/L	1
Endrin	72-20-8	8081B	ND*		0.026	0.0010	ug/L	1
Endrin aldehyde	7421-93-4	8081B	ND*		0.026	0.0020	ug/L	1
Endrin ketone	53494-70-5	8081B	ND*		0.026	0.0012	ug/L	1
Heptachlor	76-44-8	8081B	ND*		0.026	0.013	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND*		0.026	0.0021	ug/L	1
Methoxychlor	72-43-5	8081B	ND*		0.10	0.0021	ug/L	1
Toxaphene	8001-35-2	8081B	ND*		0.26	0.11	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits		
Decachlorobiphenyl	N	11	20-131	H	29	20-131		
Tetrachloro-m-xylene		83	26-132	H	91	26-132		

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

* = Reportable result (only when report all runs)

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: NB17010-001			
Description: H01-MW-7D				Matrix: Aqueous			
Date Sampled: 02/16/2012 1600							
Date Received: 02/17/2012							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	02/23/2012 2314	NCM	02/20/2012 1630	78136
2	3520C	8081B	1	03/01/2012 2222	NCM	02/27/2012 1720	78792

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND	H	0.026	0.0018	ug/L	2
alpha-BHC	319-84-6	8081B	ND	H	0.026	0.0010	ug/L	2
beta-BHC	319-85-7	8081B	ND	H	0.026	0.0041	ug/L	2
delta-BHC	319-86-8	8081B	ND	H	0.026	0.0011	ug/L	2
gamma-BHC (Lindane)	58-89-9	8081B	0.0040*	JPH	0.026	0.0011	ug/L	2
alpha-Chlordane	5103-71-9	8081B	ND	H	0.026	0.0014	ug/L	2
gamma-Chlordane	5103-74-2	8081B	ND	H	0.026	0.0016	ug/L	2
4,4'-DDD	72-54-8	8081B	ND	H	0.026	0.0010	ug/L	2
4,4'-DDE	72-55-9	8081B	ND	H	0.026	0.011	ug/L	2
4,4'-DDT	50-29-3	8081B	ND	H	0.026	0.0021	ug/L	2
Dieldrin	60-57-1	8081B	ND	H	0.026	0.0010	ug/L	2
Endosulfan I	959-98-8	8081B	ND	H	0.026	0.0023	ug/L	2
Endosulfan II	33213-65-9	8081B	ND	H	0.026	0.0016	ug/L	2
Endosulfan sulfate	1031-07-8	8081B	ND	H	0.026	0.0011	ug/L	2
Endrin	72-20-8	8081B	ND	H	0.026	0.0010	ug/L	2
Endrin aldehyde	7421-93-4	8081B	ND	H	0.026	0.0020	ug/L	2
Endrin ketone	53494-70-5	8081B	ND	H	0.026	0.0012	ug/L	2
Heptachlor	76-44-8	8081B	ND	H	0.026	0.014	ug/L	2
Heptachlor epoxide	1024-57-3	8081B	ND	H	0.026	0.0021	ug/L	2
Methoxychlor	72-43-5	8081B	ND	H	0.10	0.0021	ug/L	2
Toxaphene	8001-35-2	8081B	ND	H	0.26	0.11	ug/L	2
Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits		
Decachlorobiphenyl	N	11	20-131	H	29	20-131		
Tetrachloro-m-xylene		83	26-132	H	91	26-132		

PQL = Practical quantitation limit	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	H = Out of holding time
ND = Not detected at or above the MDL	J = Estimated result < PQL and ≥ MDL	P = The RPD between two GC columns exceeds 40%	N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"		* = Reportable result (only when report all runs)	

RCRA Metals

Client: ARCADIS U.S., Inc.

Laboratory ID: NB17010-001

Description: H01-MW-7D

Matrix: Aqueous

Date Sampled: 02/16/2012 1600

Date Received: 02/17/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	02/21/2012 2050	COH	02/21/2012 1725	78310
1	3005A	6010C	1	02/22/2012 1217	CDF	02/20/2012 1350	78164
2	3005A	6010C	1	02/23/2012 1348	CDF	02/20/2012 1350	78164

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.010	0.0040	mg/L	1
Barium	7440-39-3	6010C	0.012	J	0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	0.00060	mg/L	2
Chromium	7440-47-3	6010C	ND		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010C	ND		0.010	0.0019	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	0.0026	mg/L	1
Silver	7440-22-4	6010C	ND		0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: NB17010-002			
Description: TRIP BLANK				Matrix: Aqueous			
Date Sampled: 02/16/2012 1600							
Date Received: 02/17/2012							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	02/25/2012 1615	LBS		78695		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	0.66	J	1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	H = Out of holding time
ND = Not detected at or above the MDL	J = Estimated result < PQL and ≥ MDL	P = The RPD between two GC columns exceeds 40%	N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"		* = Reportable result (only when report all runs)	

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.	Laboratory ID: NB17010-002
Description: TRIP BLANK	Matrix: Aqueous
Date Sampled: 02/16/2012 1600	
Date Received: 02/17/2012	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		115	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

* = Reportable result (only when report all runs)

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: NQ78695-001

Matrix: Aqueous

Batch: 78695

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	02/25/2012 1409
Benzene	ND		1	1.0	0.13	ug/L	02/25/2012 1409
Bromodichloromethane	ND		1	1.0	0.33	ug/L	02/25/2012 1409
Bromoform	ND		1	1.0	0.66	ug/L	02/25/2012 1409
Bromomethane (Methyl bromide)	ND		1	2.0	0.80	ug/L	02/25/2012 1409
2-Butanone (MEK)	ND		1	10	2.0	ug/L	02/25/2012 1409
Carbon disulfide	ND		1	1.0	0.097	ug/L	02/25/2012 1409
Carbon tetrachloride	ND		1	1.0	0.14	ug/L	02/25/2012 1409
Chlorobenzene	ND		1	2.0	0.33	ug/L	02/25/2012 1409
Chloroethane	ND		1	2.0	0.47	ug/L	02/25/2012 1409
Chloroform	ND		1	1.0	0.33	ug/L	02/25/2012 1409
Chloromethane (Methyl chloride)	ND		1	1.0	0.35	ug/L	02/25/2012 1409
Dibromochloromethane	ND		1	1.0	0.33	ug/L	02/25/2012 1409
1,4-Dichlorobenzene	ND		1	1.0	0.33	ug/L	02/25/2012 1409
1,3-Dichlorobenzene	ND		1	1.0	0.33	ug/L	02/25/2012 1409
1,2-Dichlorobenzene	ND		1	1.0	0.33	ug/L	02/25/2012 1409
1,1-Dichloroethane	ND		1	1.0	0.13	ug/L	02/25/2012 1409
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	02/25/2012 1409
trans-1,2-Dichloroethene	ND		1	1.0	0.21	ug/L	02/25/2012 1409
1,1-Dichloroethene	ND		1	1.0	0.16	ug/L	02/25/2012 1409
cis-1,2-Dichloroethene	ND		1	1.0	0.12	ug/L	02/25/2012 1409
1,2-Dichloropropane	ND		1	1.0	0.19	ug/L	02/25/2012 1409
cis-1,3-Dichloropropene	ND		1	1.0	0.092	ug/L	02/25/2012 1409
trans-1,3-Dichloropropene	ND		1	1.0	0.11	ug/L	02/25/2012 1409
Ethylbenzene	ND		1	1.0	0.33	ug/L	02/25/2012 1409
2-Hexanone	ND		1	10	0.27	ug/L	02/25/2012 1409
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	02/25/2012 1409
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	02/25/2012 1409
Methylene chloride	ND		1	1.0	0.33	ug/L	02/25/2012 1409
Styrene	ND		1	1.0	0.12	ug/L	02/25/2012 1409
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.16	ug/L	02/25/2012 1409
Tetrachloroethene	ND		1	1.0	0.13	ug/L	02/25/2012 1409
Toluene	ND		1	1.0	0.33	ug/L	02/25/2012 1409
1,2,4-Trichlorobenzene	ND		1	1.0	0.51	ug/L	02/25/2012 1409
1,1,2-Trichloroethane	ND		1	1.0	0.21	ug/L	02/25/2012 1409
1,1,1-Trichloroethane	ND		1	1.0	0.074	ug/L	02/25/2012 1409
Trichloroethene	ND		1	1.0	0.18	ug/L	02/25/2012 1409
Vinyl chloride	ND		1	1.0	0.054	ug/L	02/25/2012 1409
Xylenes (total)	ND		1	1.0	0.33	ug/L	02/25/2012 1409
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		101	70-130				
1,2-Dichloroethane-d4		107	70-130				
Toluene-d8		99	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: NQ78695-002

Matrix: Aqueous

Batch: 78695

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	76		1	76	70-130	02/25/2012 1152
Benzene	50	51		1	101	70-130	02/25/2012 1152
Bromodichloromethane	50	56		1	112	70-130	02/25/2012 1152
Bromoform	50	57		1	114	70-130	02/25/2012 1152
Bromomethane (Methyl bromide)	50	64		1	128	60-140	02/25/2012 1152
2-Butanone (MEK)	100	97		1	97	60-140	02/25/2012 1152
Carbon disulfide	50	56		1	112	60-140	02/25/2012 1152
Carbon tetrachloride	50	53		1	107	70-130	02/25/2012 1152
Chlorobenzene	50	51		1	101	70-130	02/25/2012 1152
Chloroethane	50	56		1	112	42-163	02/25/2012 1152
Chloroform	50	52		1	105	70-130	02/25/2012 1152
Chloromethane (Methyl chloride)	50	54		1	108	70-130	02/25/2012 1152
Dibromochloromethane	50	59		1	117	70-130	02/25/2012 1152
1,4-Dichlorobenzene	50	53		1	105	70-130	02/25/2012 1152
1,3-Dichlorobenzene	50	54		1	107	70-130	02/25/2012 1152
1,2-Dichlorobenzene	50	53		1	106	70-130	02/25/2012 1152
1,1-Dichloroethane	50	51		1	102	70-130	02/25/2012 1152
1,2-Dichloroethane	50	55		1	111	70-130	02/25/2012 1152
trans-1,2-Dichloroethene	50	51		1	102	70-130	02/25/2012 1152
1,1-Dichloroethene	50	49		1	97	70-130	02/25/2012 1152
cis-1,2-Dichloroethene	50	52		1	105	70-130	02/25/2012 1152
1,2-Dichloropropane	50	53		1	106	70-130	02/25/2012 1152
cis-1,3-Dichloropropene	50	61		1	121	70-130	02/25/2012 1152
trans-1,3-Dichloropropene	50	64		1	128	70-130	02/25/2012 1152
Ethylbenzene	50	52		1	104	70-130	02/25/2012 1152
2-Hexanone	100	120		1	116	60-140	02/25/2012 1152
Methyl tertiary butyl ether (MTBE)	50	55		1	109	70-130	02/25/2012 1152
4-Methyl-2-pentanone	100	110		1	107	60-140	02/25/2012 1152
Methylene chloride	50	50		1	99	70-130	02/25/2012 1152
Styrene	50	53		1	106	70-130	02/25/2012 1152
1,1,2,2-Tetrachloroethane	50	60		1	119	60-140	02/25/2012 1152
Tetrachloroethene	50	50		1	99	70-130	02/25/2012 1152
Toluene	50	51		1	103	70-130	02/25/2012 1152
1,2,4-Trichlorobenzene	50	52		1	104	70-130	02/25/2012 1152
1,1,2-Trichloroethane	50	57		1	114	70-130	02/25/2012 1152
1,1,1-Trichloroethane	50	51		1	102	70-130	02/25/2012 1152
Trichloroethene	50	49		1	98	70-130	02/25/2012 1152
Vinyl chloride	50	55		1	109	70-130	02/25/2012 1152
Xylenes (total)	100	110		1	105	70-130	02/25/2012 1152
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		97	70-130				
1,2-Dichloroethane-d4		108	70-130				
Toluene-d8		98	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: NQ78695-003

Matrix: Aqueous

Batch: 78695

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	110	+	1	113	39	70-130	20	02/25/2012 1213
Benzene	50	51		1	103	1.5	70-130	20	02/25/2012 1213
Bromodichloromethane	50	57		1	115	2.4	70-130	20	02/25/2012 1213
Bromoform	50	58		1	117	2.3	70-130	20	02/25/2012 1213
Bromomethane (Methyl bromide)	50	67		1	134	4.4	60-140	20	02/25/2012 1213
2-Butanone (MEK)	100	120		1	117	19	60-140	20	02/25/2012 1213
Carbon disulfide	50	56		1	112	0.45	60-140	20	02/25/2012 1213
Carbon tetrachloride	50	54		1	109	1.9	70-130	20	02/25/2012 1213
Chlorobenzene	50	51		1	103	1.4	70-130	20	02/25/2012 1213
Chloroethane	50	56		1	113	0.57	42-163	20	02/25/2012 1213
Chloroform	50	54		1	109	3.6	70-130	20	02/25/2012 1213
Chloromethane (Methyl chloride)	50	55		1	109	1.2	70-130	20	02/25/2012 1213
Dibromochloromethane	50	58		1	116	0.92	70-130	20	02/25/2012 1213
1,4-Dichlorobenzene	50	53		1	106	0.89	70-130	20	02/25/2012 1213
1,3-Dichlorobenzene	50	54		1	107	0.12	70-130	20	02/25/2012 1213
1,2-Dichlorobenzene	50	53		1	105	0.67	70-130	20	02/25/2012 1213
1,1-Dichloroethane	50	52		1	104	2.4	70-130	20	02/25/2012 1213
1,2-Dichloroethane	50	58		1	116	4.8	70-130	20	02/25/2012 1213
trans-1,2-Dichloroethene	50	51		1	103	0.12	70-130	20	02/25/2012 1213
1,1-Dichloroethene	50	50		1	101	3.2	70-130	20	02/25/2012 1213
cis-1,2-Dichloroethene	50	53		1	106	1.3	70-130	20	02/25/2012 1213
1,2-Dichloropropane	50	55		1	110	3.1	70-130	20	02/25/2012 1213
cis-1,3-Dichloropropene	50	61		1	122	0.46	70-130	20	02/25/2012 1213
trans-1,3-Dichloropropene	50	64		1	128	0.42	70-130	20	02/25/2012 1213
Ethylbenzene	50	52		1	103	0.52	70-130	20	02/25/2012 1213
2-Hexanone	100	110		1	114	1.1	60-140	20	02/25/2012 1213
Methyl tertiary butyl ether (MTBE)	50	58		1	116	5.8	70-130	20	02/25/2012 1213
4-Methyl-2-pentanone	100	120		1	117	8.9	60-140	20	02/25/2012 1213
Methylene chloride	50	51		1	102	2.5	70-130	20	02/25/2012 1213
Styrene	50	56		1	111	4.3	70-130	20	02/25/2012 1213
1,1,2,2-Tetrachloroethane	50	59		1	118	1.1	60-140	20	02/25/2012 1213
Tetrachloroethene	50	50		1	100	0.45	70-130	20	02/25/2012 1213
Toluene	50	51		1	103	0.24	70-130	20	02/25/2012 1213
1,2,4-Trichlorobenzene	50	46		1	91	13	70-130	20	02/25/2012 1213
1,1,2-Trichloroethane	50	57		1	113	0.70	70-130	20	02/25/2012 1213
1,1,1-Trichloroethane	50	52		1	105	2.4	70-130	20	02/25/2012 1213
Trichloroethene	50	49		1	99	0.25	70-130	20	02/25/2012 1213
Vinyl chloride	50	56		1	112	2.2	70-130	20	02/25/2012 1213
Xylenes (total)	100	110		1	108	2.6	70-130	20	02/25/2012 1213
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		100	70-130						
1,2-Dichloroethane-d4		111	70-130						
Toluene-d8		98	70-130						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: NQ78138-001

Matrix: Aqueous

Batch: 78138

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 02/20/2012 1345

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
2,4,5-Trichlorophenol	ND		1	1.0	0.18	ug/L	02/24/2012 2135
2,4,6-Trichlorophenol	ND		1	1.0	0.22	ug/L	02/24/2012 2135
2,4-Dichlorophenol	ND		1	1.0	0.15	ug/L	02/24/2012 2135
2,4-Dimethylphenol	ND		1	1.0	0.31	ug/L	02/24/2012 2135
2,4-Dinitrophenol	ND		1	5.0	0.25	ug/L	02/24/2012 2135
2,4-Dinitrotoluene	ND		1	2.0	0.45	ug/L	02/24/2012 2135
2,6-Dinitrotoluene	ND		1	2.0	0.40	ug/L	02/24/2012 2135
2-Chloronaphthalene	ND		1	1.0	0.12	ug/L	02/24/2012 2135
2-Chlorophenol	ND		1	1.0	0.13	ug/L	02/24/2012 2135
2-Methylnaphthalene	ND		1	1.0	0.080	ug/L	02/24/2012 2135
2-Methylphenol	ND		1	1.0	0.17	ug/L	02/24/2012 2135
2-Nitroaniline	ND		1	2.0	0.55	ug/L	02/24/2012 2135
2-Nitrophenol	ND		1	2.0	0.27	ug/L	02/24/2012 2135
3 & 4-Methylphenol	ND		1	2.0	0.57	ug/L	02/24/2012 2135
3,3'-Dichlorobenzidine	ND		1	5.0	0.81	ug/L	02/24/2012 2135
3-Nitroaniline	ND		1	2.0	0.77	ug/L	02/24/2012 2135
4,6-Dinitro-2-methylphenol	ND		1	5.0	1.5	ug/L	02/24/2012 2135
4-Bromophenyl phenyl ether	ND		1	1.0	0.12	ug/L	02/24/2012 2135
4-Chloro-3-methyl phenol	ND		1	1.0	0.22	ug/L	02/24/2012 2135
4-Chloroaniline	ND		1	1.0	0.13	ug/L	02/24/2012 2135
4-Chlorophenyl phenyl ether	ND		1	1.0	0.11	ug/L	02/24/2012 2135
4-Nitroaniline	ND		1	2.0	0.39	ug/L	02/24/2012 2135
4-Nitrophenol	ND		1	5.0	0.64	ug/L	02/24/2012 2135
Acenaphthene	ND		1	1.0	0.090	ug/L	02/24/2012 2135
Acenaphthylene	ND		1	1.0	0.16	ug/L	02/24/2012 2135
Anthracene	ND		1	1.0	0.13	ug/L	02/24/2012 2135
Benzo(a)anthracene	ND		1	1.0	0.15	ug/L	02/24/2012 2135
Benzo(a)pyrene	ND		1	1.0	0.16	ug/L	02/24/2012 2135
Benzo(b)fluoranthene	ND		1	1.0	0.20	ug/L	02/24/2012 2135
Benzo(g,h,i)perylene	ND		1	1.0	0.23	ug/L	02/24/2012 2135
Benzo(k)fluoranthene	ND		1	1.0	0.12	ug/L	02/24/2012 2135
bis(2-Chloroethoxy)methane	ND		1	1.0	0.13	ug/L	02/24/2012 2135
bis(2-Chloroisopropyl)ether	ND		1	1.0	0.080	ug/L	02/24/2012 2135
bis(2-Ethylhexyl)phthalate	ND		1	5.0	1.7	ug/L	02/24/2012 2135
Butyl benzyl phthalate	ND		1	5.0	1.7	ug/L	02/24/2012 2135
Carbazole	ND		1	1.0	0.25	ug/L	02/24/2012 2135
Chrysene	ND		1	1.0	0.12	ug/L	02/24/2012 2135
Di-n-butyl phthalate	ND		1	5.0	1.7	ug/L	02/24/2012 2135
Di-n-octylphthalate	ND		1	5.0	1.7	ug/L	02/24/2012 2135
Dibenzo(a,h)anthracene	ND		1	1.0	0.13	ug/L	02/24/2012 2135
Dibenzofuran	ND		1	1.0	0.16	ug/L	02/24/2012 2135
Diethylphthalate	ND		1	5.0	1.7	ug/L	02/24/2012 2135
Dimethyl phthalate	ND		1	5.0	1.7	ug/L	02/24/2012 2135
Fluoranthene	ND		1	1.0	0.21	ug/L	02/24/2012 2135

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: NQ78138-001

Matrix: Aqueous

Batch: 78138

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 02/20/2012 1345

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Fluorene	ND		1	1.0	0.10	ug/L	02/24/2012 2135
Hexachlorobenzene	ND		1	1.0	0.21	ug/L	02/24/2012 2135
Hexachlorobutadiene	ND		1	1.0	0.090	ug/L	02/24/2012 2135
Hexachlorocyclopentadiene	ND		1	5.0	0.23	ug/L	02/24/2012 2135
Hexachloroethane	ND		1	1.0	0.11	ug/L	02/24/2012 2135
Indeno(1,2,3-c,d)pyrene	ND		1	1.0	0.23	ug/L	02/24/2012 2135
Isophorone	ND		1	1.0	0.080	ug/L	02/24/2012 2135
N-Nitrosodi-n-propylamine	ND		1	1.0	0.080	ug/L	02/24/2012 2135
N-Nitrosodiphenylamine (Diphenylamine)	ND		1	1.0	0.38	ug/L	02/24/2012 2135
Naphthalene	ND		1	1.0	0.070	ug/L	02/24/2012 2135
Nitrobenzene	ND		1	1.0	0.10	ug/L	02/24/2012 2135
Pentachlorophenol	ND		1	5.0	0.54	ug/L	02/24/2012 2135
Phenanthrene	ND		1	1.0	0.18	ug/L	02/24/2012 2135
Phenol	ND		1	1.0	0.11	ug/L	02/24/2012 2135
Pyrene	ND		1	1.0	0.16	ug/L	02/24/2012 2135
Surrogate	Q	% Rec	Acceptance Limit				
2,4,6-Tribromophenol		73	41-144				
2-Fluorobiphenyl		71	37-129				
2-Fluorophenol		66	24-127				
Nitrobenzene-d5		69	38-127				
Phenol-d5		71	28-128				
Terphenyl-d14		69	10-148				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: NQ78138-002

Matrix: Aqueous

Batch: 78138

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 02/20/2012 1345

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
2,4,5-Trichlorophenol	20	16		1	80	46-125	02/24/2012 2200
2,4,6-Trichlorophenol	20	16		1	78	36-123	02/24/2012 2200
2,4-Dichlorophenol	20	17		1	83	38-127	02/24/2012 2200
2,4-Dimethylphenol	20	14		1	69	36-110	02/24/2012 2200
2,4-Dinitrophenol	100	95		1	95	33-143	02/24/2012 2200
2,4-Dinitrotoluene	40	32		1	81	55-137	02/24/2012 2200
2,6-Dinitrotoluene	40	33		1	82	53-128	02/24/2012 2200
2-Chloronaphthalene	20	13		1	63	42-132	02/24/2012 2200
2-Chlorophenol	20	14		1	68	40-128	02/24/2012 2200
2-Methylnaphthalene	20	17		1	86	49-122	02/24/2012 2200
2-Methylphenol	20	16		1	78	33-122	02/24/2012 2200
2-Nitroaniline	40	33		1	83	48-126	02/24/2012 2200
2-Nitrophenol	40	30		1	75	44-131	02/24/2012 2200
3 & 4-Methylphenol	40	33		1	83	48-112	02/24/2012 2200
3-Nitroaniline	40	33		1	83	29-109	02/24/2012 2200
4,6-Dinitro-2-methylphenol	100	89		1	89	46-151	02/24/2012 2200
4-Bromophenyl phenyl ether	20	16		1	81	49-123	02/24/2012 2200
4-Chloro-3-methyl phenol	20	18		1	90	48-136	02/24/2012 2200
4-Chloroaniline	20	2.6	N	1	13	18-73	02/24/2012 2200
4-Chlorophenyl phenyl ether	20	16		1	80	34-124	02/24/2012 2200
4-Nitroaniline	40	39		1	97	42-154	02/24/2012 2200
4-Nitrophenol	100	85		1	85	43-145	02/24/2012 2200
Acenaphthene	20	16		1	79	51-130	02/24/2012 2200
Acenaphthylene	20	15		1	75	46-131	02/24/2012 2200
Anthracene	20	16		1	82	48-122	02/24/2012 2200
Benzo(a)anthracene	20	16		1	79	50-143	02/24/2012 2200
Benzo(a)pyrene	20	17		1	84	55-141	02/24/2012 2200
Benzo(b)fluoranthene	20	18		1	89	48-147	02/24/2012 2200
Benzo(g,h,i)perylene	20	15		1	76	48-139	02/24/2012 2200
Benzo(k)fluoranthene	20	15		1	74	48-148	02/24/2012 2200
bis(2-Chloroethoxy)methane	20	16		1	82	46-130	02/24/2012 2200
bis(2-Chloroisopropyl)ether	20	14		1	68	36-133	02/24/2012 2200
bis(2-Ethylhexyl)phthalate	20	15		1	75	40-141	02/24/2012 2200
Butyl benzyl phthalate	20	17		1	85	52-142	02/24/2012 2200
Carbazole	20	20		1	98	45-101	02/24/2012 2200
Chrysene	20	16		1	80	51-137	02/24/2012 2200
Di-n-butyl phthalate	20	18		1	91	50-134	02/24/2012 2200
Di-n-octylphthalate	20	17		1	87	50-136	02/24/2012 2200
Dibenzo(a,h)anthracene	20	15		1	77	48-139	02/24/2012 2200
Dibenzofuran	20	16		1	80	45-142	02/24/2012 2200
Diethylphthalate	20	16		1	82	48-124	02/24/2012 2200
Dimethyl phthalate	20	16		1	81	43-122	02/24/2012 2200
Fluoranthene	20	17		1	84	50-124	02/24/2012 2200
Fluorene	20	16		1	81	39-122	02/24/2012 2200

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: NQ78138-002

Matrix: Aqueous

Batch: 78138

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 02/20/2012 1345

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Hexachlorobenzene	20	16		1	79	46-125	02/24/2012 2200
Hexachlorobutadiene	20	14		1	71	38-121	02/24/2012 2200
Hexachlorocyclopentadiene	100	57		1	57	24-110	02/24/2012 2200
Hexachloroethane	20	9.8		1	49	32-109	02/24/2012 2200
Indeno(1,2,3-c,d)pyrene	20	15		1	76	49-146	02/24/2012 2200
Isophorone	20	18		1	88	43-118	02/24/2012 2200
N-Nitrosodi-n-propylamine	20	17		1	87	46-135	02/24/2012 2200
N-Nitrosodiphenylamine (Diphenylamine)	4.3	3.5		1	81	44-124	02/24/2012 2200
Naphthalene	20	16		1	80	45-118	02/24/2012 2200
Nitrobenzene	20	15		1	74	46-131	02/24/2012 2200
Pentachlorophenol	100	92		1	92	30-137	02/24/2012 2200
Phenanthrene	20	17		1	83	49-122	02/24/2012 2200
Phenol	20	15		1	74	35-118	02/24/2012 2200
Pyrene	20	17		1	85	50-130	02/24/2012 2200
Surrogate	Q	% Rec	Acceptance Limit				
2,4,6-Tribromophenol		81	41-144				
2-Fluorobiphenyl		79	37-129				
2-Fluorophenol		68	24-127				
Nitrobenzene-d5		75	38-127				
Phenol-d5		78	28-128				
Terphenyl-d14		73	10-148				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MS

Sample ID: NB17010-001MS

Matrix: Aqueous

Batch: 78138

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 02/20/2012 1345

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acenaphthene	ND	42	29		1	70	10-133	02/24/2012 2249
Acenaphthylene	ND	42	27		1	65	34-128	02/24/2012 2249
Anthracene	ND	42	30		1	73	48-122	02/24/2012 2249
Benzo(a)anthracene	ND	42	29		1	70	53-98	02/24/2012 2249
Benzo(a)pyrene	ND	42	24		1	57	11-160	02/24/2012 2249
Benzo(b)fluoranthene	ND	42	27		1	65	10-165	02/24/2012 2249
Benzo(g,h,i)perylene	ND	42	21		1	51	42-111	02/24/2012 2249
Benzo(k)fluoranthene	ND	42	26		1	62	13-175	02/24/2012 2249
4-Bromophenyl phenyl ether	ND	42	30		1	72	49-123	02/24/2012 2249
Butyl benzyl phthalate	ND	42	33		1	80	52-142	02/24/2012 2249
Carbazole	ND	42	38		1	91	45-101	02/24/2012 2249
4-Chloro-3-methyl phenol	ND	42	29		1	69	40-98	02/24/2012 2249
4-Chloroaniline	ND	42	3.5	N	1	8.4	10-98	02/24/2012 2249
bis(2-Chloroethoxy)methane	ND	42	24		1	58	43-93	02/24/2012 2249
bis(2-Chloroisopropyl)ether	ND	42	25		1	60	36-99	02/24/2012 2249
2-Chloronaphthalene	ND	42	23		1	55	40-89	02/24/2012 2249
2-Chlorophenol	ND	42	24		1	58	33-92	02/24/2012 2249
4-Chlorophenyl phenyl ether	ND	42	31		1	73	34-124	02/24/2012 2249
Chrysene	ND	42	27		1	66	51-107	02/24/2012 2249
Dibenzo(a,h)anthracene	ND	42	21		1	51	47-116	02/24/2012 2249
Dibenzofuran	ND	42	30		1	72	45-94	02/24/2012 2249
2,4-Dichlorophenol	ND	42	25		1	60	34-105	02/24/2012 2249
Diethylphthalate	ND	42	34		1	80	48-124	02/24/2012 2249
Dimethyl phthalate	ND	42	31		1	75	43-122	02/24/2012 2249
2,4-Dimethylphenol	ND	42	19		1	45	33-77	02/24/2012 2249
Di-n-butyl phthalate	ND	42	39		1	95	50-134	02/24/2012 2249
4,6-Dinitro-2-methylphenol	ND	210	180		1	85	33-118	02/24/2012 2249
2,4-Dinitrophenol	ND	210	180		1	89	19-119	02/24/2012 2249
2,4-Dinitrotoluene	ND	83	65		1	79	50-104	02/24/2012 2249
2,6-Dinitrotoluene	ND	83	65		1	77	53-128	02/24/2012 2249
Di-n-octylphthalate	ND	42	17		1	41	40-112	02/24/2012 2249
bis(2-Ethylhexyl)phthalate	2.3	42	18		1	37	10-142	02/24/2012 2249
Fluoranthene	ND	42	33		1	79	50-124	02/24/2012 2249
Fluorene	ND	42	31		1	75	39-122	02/24/2012 2249
Hexachlorobenzene	ND	42	30		1	72	46-125	02/24/2012 2249
Hexachlorobutadiene	ND	42	21		1	50	42-94	02/24/2012 2249
Hexachlorocyclopentadiene	ND	210	78		1	37	14-89	02/24/2012 2249
Hexachloroethane	ND	42	16		1	39	39-86	02/24/2012 2249
Indeno(1,2,3-c,d)pyrene	ND	42	21		1	51	43-113	02/24/2012 2249
Isophorone	ND	42	26		1	63	42-84	02/24/2012 2249
2-Methylnaphthalene	ND	42	26		1	62	46-90	02/24/2012 2249
2-Methylphenol	ND	42	27		1	65	33-122	02/24/2012 2249
3 & 4-Methylphenol	ND	83	60		1	71	24-97	02/24/2012 2249
Naphthalene	ND	42	24		1	58	46-89	02/24/2012 2249

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MS

Sample ID: NB17010-001MS

Matrix: Aqueous

Batch: 78138

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 02/20/2012 1345

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
2-Nitroaniline	ND	83	63		1	75	48-126	02/24/2012 2249
3-Nitroaniline	ND	83	59		1	71	10-110	02/24/2012 2249
4-Nitroaniline	ND	83	73		1	87	41-99	02/24/2012 2249
Nitrobenzene	ND	42	26		1	63	44-91	02/24/2012 2249
2-Nitrophenol	ND	83	45		1	54	34-102	02/24/2012 2249
4-Nitrophenol	ND	210	170		1	82	29-122	02/24/2012 2249
N-Nitrosodi-n-propylamine	ND	42	30		1	73	41-96	02/24/2012 2249
N-Nitrosodiphenylamine (Diphenylamine)	ND	9.0	6.1		1	68	10-150	02/24/2012 2249
Pentachlorophenol	ND	210	170		1	84	32-110	02/24/2012 2249
Phenanthrene	ND	42	33		1	79	49-122	02/24/2012 2249
Phenol	ND	42	27		1	64	33-92	02/24/2012 2249
Pyrene	ND	42	34		1	81	50-130	02/24/2012 2249
2,4,5-Trichlorophenol	ND	42	31		1	75	46-125	02/24/2012 2249
2,4,6-Trichlorophenol	ND	42	29		1	70	36-123	02/24/2012 2249
Surrogate	Q	% Rec	Acceptance Limit					
2-Fluorobiphenyl		67	37-129					
2-Fluorophenol		55	24-127					
Nitrobenzene-d5		62	38-127					
Phenol-d5		64	28-128					
Terphenyl-d14		57	10-148					
2,4,6-Tribromophenol		77	41-144					

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MSD

Sample ID: NB17010-001MD

Batch: 78138

Analytical Method: 8270D

Matrix: Aqueous

Prep Method: 3520C

Prep Date: 02/20/2012 1345

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acenaphthene	ND	43	30		1	71	3.7	10-133	40	02/24/2012 2314
Acenaphthylene	ND	43	29		1	67	6.2	34-128	40	02/24/2012 2314
Anthracene	ND	43	30		1	70	2.2	48-122	40	02/24/2012 2314
Benzo(a)anthracene	ND	43	19	N	1	46	40	53-98	40	02/24/2012 2314
Benzo(a)pyrene	ND	43	12	+	1	28	66	11-160	40	02/24/2012 2314
Benzo(b)fluoranthene	ND	43	15	+	1	36	55	10-165	40	02/24/2012 2314
Benzo(g,h,i)perylene	ND	43	10	N,+	1	24	72	42-111	40	02/24/2012 2314
Benzo(k)fluoranthene	ND	43	15	+	1	35	52	13-175	40	02/24/2012 2314
4-Bromophenyl phenyl ether	ND	43	31		1	72	1.3	49-123	40	02/24/2012 2314
Butyl benzyl phthalate	ND	43	28		1	66	17	52-142	40	02/24/2012 2314
Carbazole	ND	43	38		1	90	1.1	45-101	40	02/24/2012 2314
4-Chloro-3-methyl phenol	ND	43	36		1	84	22	40-98	40	02/24/2012 2314
4-Chloroaniline	ND	43	2.1	N,+	1	5.0	48	10-98	40	02/24/2012 2314
bis(2-Chloroethoxy)methane	ND	43	31		1	74	26	43-93	40	02/24/2012 2314
bis(2-Chloroisopropyl)ether	ND	43	26		1	62	5.9	36-99	40	02/24/2012 2314
2-Chloronaphthalene	ND	43	24		1	57	4.8	40-89	40	02/24/2012 2314
2-Chlorophenol	ND	43	26		1	62	8.2	33-92	40	02/24/2012 2314
4-Chlorophenyl phenyl ether	ND	43	30		1	70	1.8	34-124	40	02/24/2012 2314
Chrysene	ND	43	16	N,+	1	37	54	51-107	40	02/24/2012 2314
Dibenzo(a,h)anthracene	ND	43	11	N,+	1	26	61	47-116	40	02/24/2012 2314
Dibenzofuran	ND	43	30		1	72	1.9	45-94	40	02/24/2012 2314
2,4-Dichlorophenol	ND	43	32		1	76	26	34-105	40	02/24/2012 2314
Diethylphthalate	ND	43	32		1	75	5.2	48-124	40	02/24/2012 2314
Dimethyl phthalate	ND	43	32		1	75	1.1	43-122	40	02/24/2012 2314
2,4-Dimethylphenol	ND	43	27		1	62	36	33-77	40	02/24/2012 2314
Di-n-butyl phthalate	ND	43	37		1	86	7.4	50-134	40	02/24/2012 2314
4,6-Dinitro-2-methylphenol	ND	210	180		1	83	0.14	33-118	40	02/24/2012 2314
2,4-Dinitrophenol	ND	210	190		1	91	4.3	19-119	40	02/24/2012 2314
2,4-Dinitrotoluene	ND	85	64		1	75	2.4	50-104	40	02/24/2012 2314
2,6-Dinitrotoluene	ND	85	65		1	76	0.56	53-128	40	02/24/2012 2314
Di-n-octylphthalate	ND	43	8.5	N,+	1	20	68	40-112	40	02/24/2012 2314
bis(2-Ethylhexyl)phthalate	2.3	43	9.6	+	1	17	59	10-142	40	02/24/2012 2314
Fluoranthene	ND	43	31		1	74	4.8	50-124	40	02/24/2012 2314
Fluorene	ND	43	31		1	72	2.0	39-122	40	02/24/2012 2314
Hexachlorobenzene	ND	43	28		1	66	6.2	46-125	40	02/24/2012 2314
Hexachlorobutadiene	ND	43	28		1	66	30	42-94	40	02/24/2012 2314
Hexachlorocyclopentadiene	ND	210	100		1	49	28	14-89	40	02/24/2012 2314
Hexachloroethane	ND	43	18		1	43	12	39-86	40	02/24/2012 2314
Indeno(1,2,3-c,d)pyrene	ND	43	10	N,+	1	24	69	43-113	40	02/24/2012 2314
Isophorone	ND	43	34		1	80	26	42-84	40	02/24/2012 2314
2-Methylnaphthalene	ND	43	34		1	79	27	46-90	40	02/24/2012 2314
2-Methylphenol	ND	43	29		1	69	8.1	33-122	40	02/24/2012 2314
3 & 4-Methylphenol	ND	85	63		1	74	5.9	24-97	40	02/24/2012 2314
Naphthalene	ND	43	32		1	75	27	46-89	40	02/24/2012 2314

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MSD

Sample ID: NB17010-001MD

Matrix: Aqueous

Batch: 78138

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 02/20/2012 1345

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
2-Nitroaniline	ND	85	64		1	75	2.5	48-126	40	02/24/2012 2314
3-Nitroaniline	ND	85	58		1	68	2.6	10-110	40	02/24/2012 2314
4-Nitroaniline	ND	85	73		1	86	0.10	41-99	40	02/24/2012 2314
Nitrobenzene	ND	43	29		1	67	8.7	44-91	40	02/24/2012 2314
2-Nitrophenol	ND	85	59		1	70	28	34-102	40	02/24/2012 2314
4-Nitrophenol	ND	210	160		1	76	4.8	29-122	40	02/24/2012 2314
N-Nitrosodi-n-propylamine	ND	43	33		1	78	9.3	41-96	40	02/24/2012 2314
N-Nitrosodiphenylamine (Diphenylamine)	ND	9.1	5.6		1	61	9.3	10-150	40	02/24/2012 2314
Pentachlorophenol	ND	210	180		1	84	2.7	32-110	40	02/24/2012 2314
Phenanthrene	ND	43	32		1	75	2.3	49-122	40	02/24/2012 2314
Phenol	ND	43	28		1	66	5.1	33-92	40	02/24/2012 2314
Pyrene	ND	43	31		1	72	10	50-130	40	02/24/2012 2314
2,4,5-Trichlorophenol	ND	43	32		1	74	1.7	46-125	40	02/24/2012 2314
2,4,6-Trichlorophenol	ND	43	31		1	72	5.9	36-123	40	02/24/2012 2314
Surrogate	Q	% Rec	Acceptance Limit							
2-Fluorobiphenyl		69	37-129							
2-Fluorophenol		61	24-127							
Nitrobenzene-d5		67	38-127							
Phenol-d5		68	28-128							
Terphenyl-d14		36	10-148							
2,4,6-Tribromophenol		78	41-144							

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - MB

Sample ID: NQ78136-001

Matrix: Aqueous

Batch: 78136

Prep Method: 3520C

Analytical Method: 8081B

Prep Date: 02/20/2012 1630

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
4,4'-DDD	ND		1	0.025	0.0010	ug/L	02/23/2012 2235
4,4'-DDE	ND		1	0.025	0.011	ug/L	02/23/2012 2235
4,4'-DDT	ND		1	0.025	0.0020	ug/L	02/23/2012 2235
Aldrin	ND		1	0.025	0.0017	ug/L	02/23/2012 2235
alpha-BHC	ND		1	0.025	0.0010	ug/L	02/23/2012 2235
alpha-Chlordane	ND		1	0.025	0.0013	ug/L	02/23/2012 2235
beta-BHC	ND		1	0.025	0.0039	ug/L	02/23/2012 2235
delta-BHC	ND		1	0.025	0.0011	ug/L	02/23/2012 2235
Dieldrin	ND		1	0.025	0.0010	ug/L	02/23/2012 2235
Endosulfan I	ND		1	0.025	0.0022	ug/L	02/23/2012 2235
Endosulfan II	ND		1	0.025	0.0015	ug/L	02/23/2012 2235
Endosulfan sulfate	ND		1	0.025	0.0011	ug/L	02/23/2012 2235
Endrin	ND		1	0.025	0.0010	ug/L	02/23/2012 2235
Endrin aldehyde	ND		1	0.025	0.0019	ug/L	02/23/2012 2235
Endrin ketone	ND		1	0.025	0.0012	ug/L	02/23/2012 2235
gamma-BHC (Lindane)	ND		1	0.025	0.0011	ug/L	02/23/2012 2235
gamma-Chlordane	0.0015	J	1	0.025	0.0015	ug/L	02/23/2012 2235
Heptachlor	ND		1	0.025	0.013	ug/L	02/23/2012 2235
Heptachlor epoxide	ND		1	0.025	0.0020	ug/L	02/23/2012 2235
Methoxychlor	ND		1	0.10	0.0020	ug/L	02/23/2012 2235
Toxaphene	ND		1	0.25	0.11	ug/L	02/23/2012 2235
Surrogate	Q	% Rec	Acceptance Limit				
Decachlorobiphenyl		48	20-131				
Tetrachloro-m-xylene		88	26-132				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - LCS

Sample ID: NQ78136-002

Matrix: Aqueous

Batch: 78136

Prep Method: 3520C

Analytical Method: 8081B

Prep Date: 02/20/2012 1630

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
4,4'-DDD	0.50	0.47		1	94	70-130	02/23/2012 2255
4,4'-DDE	0.50	0.47		1	93	70-130	02/23/2012 2255
4,4'-DDT	0.50	0.49		1	97	70-130	02/23/2012 2255
Aldrin	0.50	0.48		1	96	70-130	02/23/2012 2255
alpha-BHC	0.50	0.47		1	94	70-130	02/23/2012 2255
beta-BHC	0.50	0.47		1	94	70-130	02/23/2012 2255
delta-BHC	0.50	0.45		1	90	70-130	02/23/2012 2255
Dieldrin	0.50	0.47		1	95	70-130	02/23/2012 2255
Endosulfan I	0.50	0.45		1	89	70-130	02/23/2012 2255
Endosulfan II	0.50	0.43		1	87	70-130	02/23/2012 2255
Endosulfan sulfate	0.50	0.45		1	91	70-130	02/23/2012 2255
Endrin	0.50	0.51		1	102	70-130	02/23/2012 2255
Endrin aldehyde	0.50	0.32	N	1	65	70-130	02/23/2012 2255
gamma-BHC (Lindane)	0.50	0.46		1	92	70-130	02/23/2012 2255
gamma-Chlordane	0.50	0.49		1	98	70-130	02/23/2012 2255
Heptachlor	0.50	0.43		1	86	70-130	02/23/2012 2255
Heptachlor epoxide	0.50	0.45		1	90	70-130	02/23/2012 2255
Methoxychlor	0.50	0.50		1	100	70-130	02/23/2012 2255
Surrogate	Q	% Rec	Acceptance Limit				
Decachlorobiphenyl	N	13	20-131				
Tetrachloro-m-xylene		92	26-132				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Herbicides by GC - MB

Sample ID: NQ78231-001

Batch: 78231

Analytical Method: 8151A

Matrix: Aqueous

Prep Method: 8151A

Prep Date: 02/20/2012 2027

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
2,4,5-T	ND		1	0.50	0.10	ug/L	02/22/2012 1704
2,4,5-TP (Silvex)	ND		1	0.50	0.10	ug/L	02/22/2012 1704
2,4-D	ND		1	2.0	0.40	ug/L	02/22/2012 1704
Surrogate	Q	% Rec	Acceptance Limit				
DCAA		82	62-117				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Herbicides by GC - LCS

Sample ID: NQ78231-002

Matrix: Aqueous

Batch: 78231

Prep Method: 8151A

Analytical Method: 8151A

Prep Date: 02/20/2012 2027

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
2,4,5-T	10	9.0		1	90	70-130	02/22/2012 1728
2,4,5-TP (Silvex)	10	8.7		1	87	70-130	02/22/2012 1728
2,4-D	10	9.3		1	93	70-130	02/22/2012 1728
Surrogate	Q	% Rec	Acceptance Limit				
DCAA		80	62-117				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - MB

Sample ID: NQ78792-001

Matrix: Aqueous

Batch: 78792

Prep Method: 3520C

Analytical Method: 8081B

Prep Date: 02/27/2012 1720

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
4,4'-DDD	ND		1	0.025	0.0010	ug/L	03/01/2012 2143
4,4'-DDE	ND		1	0.025	0.011	ug/L	03/01/2012 2143
4,4'-DDT	ND		1	0.025	0.0020	ug/L	03/01/2012 2143
Aldrin	ND		1	0.025	0.0017	ug/L	03/01/2012 2143
alpha-BHC	ND		1	0.025	0.0010	ug/L	03/01/2012 2143
alpha-Chlordane	ND		1	0.025	0.0013	ug/L	03/01/2012 2143
beta-BHC	ND		1	0.025	0.0039	ug/L	03/01/2012 2143
delta-BHC	ND		1	0.025	0.0011	ug/L	03/01/2012 2143
Dieldrin	ND		1	0.025	0.0010	ug/L	03/01/2012 2143
Endosulfan I	ND		1	0.025	0.0022	ug/L	03/01/2012 2143
Endosulfan II	ND		1	0.025	0.0015	ug/L	03/01/2012 2143
Endosulfan sulfate	ND		1	0.025	0.0011	ug/L	03/01/2012 2143
Endrin	ND		1	0.025	0.0010	ug/L	03/01/2012 2143
Endrin aldehyde	ND		1	0.025	0.0019	ug/L	03/01/2012 2143
Endrin ketone	ND		1	0.025	0.0012	ug/L	03/01/2012 2143
gamma-BHC (Lindane)	ND		1	0.025	0.0011	ug/L	03/01/2012 2143
gamma-Chlordane	ND		1	0.025	0.0015	ug/L	03/01/2012 2143
Heptachlor	ND		1	0.025	0.013	ug/L	03/01/2012 2143
Heptachlor epoxide	ND		1	0.025	0.0020	ug/L	03/01/2012 2143
Methoxychlor	ND		1	0.10	0.0020	ug/L	03/01/2012 2143
Toxaphene	ND		1	0.25	0.11	ug/L	03/01/2012 2143
Surrogate	Q	% Rec	Acceptance Limit				
Decachlorobiphenyl		94	20-131				
Tetrachloro-m-xylene		93	26-132				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - LCS

Sample ID: NQ78792-002

Matrix: Aqueous

Batch: 78792

Prep Method: 3520C

Analytical Method: 8081B

Prep Date: 02/27/2012 1720

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
4,4'-DDD	0.50	0.54		1	108	70-130	03/01/2012 2202
4,4'-DDE	0.50	0.55		1	110	70-130	03/01/2012 2202
4,4'-DDT	0.50	0.58		1	115	70-130	03/01/2012 2202
Aldrin	0.50	0.53		1	105	70-130	03/01/2012 2202
alpha-BHC	0.50	0.53		1	107	70-130	03/01/2012 2202
beta-BHC	0.50	0.52		1	104	70-130	03/01/2012 2202
delta-BHC	0.50	0.51		1	102	70-130	03/01/2012 2202
Dieldrin	0.50	0.54		1	108	70-130	03/01/2012 2202
Endosulfan I	0.50	0.51		1	103	70-130	03/01/2012 2202
Endosulfan II	0.50	0.51		1	102	70-130	03/01/2012 2202
Endosulfan sulfate	0.50	0.54		1	108	70-130	03/01/2012 2202
Endrin	0.50	0.58		1	117	70-130	03/01/2012 2202
Endrin aldehyde	0.50	0.40		1	80	70-130	03/01/2012 2202
gamma-BHC (Lindane)	0.50	0.54		1	108	70-130	03/01/2012 2202
gamma-Chlordane	0.50	0.55		1	110	70-130	03/01/2012 2202
Heptachlor	0.50	0.48		1	97	70-130	03/01/2012 2202
Heptachlor epoxide	0.50	0.52		1	104	70-130	03/01/2012 2202
Methoxychlor	0.50	0.58		1	116	70-130	03/01/2012 2202
Surrogate	Q	% Rec	Acceptance Limit				
Decachlorobiphenyl		52	20-131				
Tetrachloro-m-xylene		95	26-132				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MB

Sample ID: NQ78164-001

Batch: 78164

Analytical Method: 6010C

Matrix: Aqueous

Prep Method: 3005A

Prep Date: 02/20/2012 1350

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Arsenic	0.0076	J	1	0.010	0.0040	mg/L	02/22/2012 1146
Barium	ND		1	0.025	0.0075	mg/L	02/22/2012 1146
Cadmium	ND		1	0.0020	0.00060	mg/L	02/23/2012 1336
Chromium	ND		1	0.0050	0.0021	mg/L	02/22/2012 1146
Lead	0.0041	J	1	0.010	0.0019	mg/L	02/22/2012 1146
Selenium	ND		1	0.010	0.0026	mg/L	02/22/2012 1146
Silver	ND		1	0.0050	0.00040	mg/L	02/23/2012 1336

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCS

Sample ID: NQ78164-002

Matrix: Aqueous

Batch: 78164

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 02/20/2012 1350

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Arsenic	0.40	0.41		1	104	80-120	02/22/2012 1150
Barium	2.0	2.1		1	105	80-120	02/22/2012 1150
Cadmium	0.40	0.42		1	106	80-120	02/23/2012 1340
Chromium	2.0	2.0		1	100	80-120	02/22/2012 1150
Lead	0.40	0.42		1	105	80-120	02/22/2012 1150
Selenium	0.40	0.42		1	105	80-120	02/22/2012 1150
Silver	0.40	0.41		1	102	80-120	02/23/2012 1340

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCSD

Sample ID: NQ78164-003

Matrix: Aqueous

Batch: 78164

Prep Method: 3005A

Analytical Method: 6010C

Prep Date: 02/20/2012 1350

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Arsenic	0.40	0.39		1	98	6.0	80-120	20	02/22/2012 1154
Barium	2.0	2.1		1	105	0.51	80-120	20	02/22/2012 1154
Cadmium	0.40	0.42		1	106	0.022	80-120	20	02/23/2012 1344
Chromium	2.0	1.9		1	97	2.5	80-120	20	02/22/2012 1154
Lead	0.40	0.41		1	102	3.0	80-120	20	02/22/2012 1154
Selenium	0.40	0.42		1	105	0.44	80-120	20	02/22/2012 1154
Silver	0.40	0.41		1	102	0.50	80-120	20	02/23/2012 1344

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MB

Sample ID: NQ78310-001

Batch: 78310

Analytical Method: 7470A

Matrix: Aqueous

Prep Method: 7470A

Prep Date: 02/21/2012 1725

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Mercury	ND		1	0.00010	0.000053	mg/L	02/21/2012 2027

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCS

Sample ID: NQ78310-002

Batch: 78310

Analytical Method: 7470A

Matrix: Aqueous

Prep Method: 7470A

Prep Date: 02/21/2012 1725

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.0020	0.0022		1	108	85-115	02/21/2012 2030

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCSD

Sample ID: NQ78310-003

Batch: 78310

Analytical Method: 7470A

Matrix: Aqueous

Prep Method: 7470A

Prep Date: 02/21/2012 1725

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	0.0020	0.0021		1	107	0.93	85-115	20	02/21/2012 2033

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and $\geq$ MDL

N - Recovery is out of criteria

+ - RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results



Wasserbau / Wasser-Management / Sanierung

[illegible]PINK – Retained by ARCADISYELLOW - Lab copyWHITE - Laboratory returns with results

Distribution:

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 9

Page 1 of 1
Replaces Date: 05/06/11
Effective Date: 10/11/11

Sample Receipt Checklist (SRC)

Client: ARCADIS Cooler Inspected by/date: W 2/17/12 Lot #: N1317010

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☒ FedEx ☐ Airborne Exp ☐ Other		
Yes ☒ No ☐	1. Were custody seals present on the cooler?	
Yes ☒ No ☐	2. If custody seals were present, were they intact and unbroken?	
Cooler ID/temperature upon receipt <u>58</u> °C <u>1</u> °C <u>1</u> °C <u>1</u> °C		
Method: ☐ Temperature Blank ☒ Against Bottles		
Method of coolant: ☒ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None		
If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.		
Yes ☐ No ☐ NA ☒	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other: _____ (For coolers received via commercial courier, PMs are to be notified immediately.	
Yes ☒ No ☐ NA ☐	4. Is the commercial courier's packing slip attached to this form?	
Yes ☐ No ☒	5. Were proper custody procedures (relinquished/received) followed?	
Yes ☐ No ☒ NA ☐	5a Were samples relinquished by client to commercial courier?	
Yes ☒ No ☐	6. Were sample IDs listed?	
Yes ☒ No ☐	7. Was collection date & time listed?	
Yes ☒ No ☐	8. Were tests to be performed listed on the COC?	
Yes ☒ No ☐	9. Did all samples arrive in the proper containers for each test?	
Yes ☒ No ☐	10. Did all container label information (ID, date, time) agree with COC?	
Yes ☒ No ☐	11. Did all containers arrive in good condition (unbroken, lids on, etc.)?	
Yes ☒ No ☐	12. Was adequate sample volume available?	
Yes ☐ No ☐	13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?	
Yes ☐ No ☒	14. Were any samples containers missing?	
Yes ☐ No ☒	15. Were there any excess samples not listed on COC?	
Yes ☐ No ☒ NA ☐	16. Were bubbles present >"pea-size" (¼" or 6mm in diameter) in any VOA vials?	
Yes ☒ No ☐ NA ☐	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?	
Yes ☐ No ☒ NA ☐	18. Were all cyanide and/or sulfide samples received at a pH >12?	
Yes ☐ No ☐ NA ☒	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) samples free of residual chlorine?	
Yes ☐ No ☒ NA ☐	20. Were collection temperatures documented on the COC for NC samples?	
Yes ☐ No ☐ NA ☒	21. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc...) correctly transcribed from the COC into the comment section in LIMS?	
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)		
Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H ₂ SO ₄ , HNO ₃ , HCl, NaOH) with the SR # (number) _____		
Sample(s) _____ were received with bubbles >6 mm in diameter.		
Sample(s) _____ were received with TRC >0.2 mg/L for NH3/TKN/cyanide/BNA/pest/PCB/herb.		
This portion can be removed for Recipient's records. in <u>2-19-12</u> Order's <u>Valyn Proulx</u> FedEx Tracking Number <u>877106322408</u> Phone <u>919 854-1232</u>		
Corrective Action taken, if necessary:		
Was client notified: Yes ☐ No ☐		
SESI employee: _____		
Comments: _____		
Company: <u>ARCADIS G & M OF NC INC</u>		
Address: <u>301 CORPORATE CENTER DR</u>		
City: <u>RALEIGH</u> State: <u>NC</u> ZIP: <u>27607-5243</u>		



**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: NA31002
HAA-01**

Analytical data were evaluated in accordance with applicable USEPA SW-846 method requirements, "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review" (October 1999), "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review" (July 2002), analytical method control criteria, the analytical laboratory Quality Assurance Control Limits, the Fort Stewart Military Reservation and Hunter Army Airfield Quality Assurance Project Plan (ARCADIS-2008), and professional judgment.

The data review summarized in this report includes a review of all sample collection documentation and the electronic data validation of the analytical data housed in the project database. Sample collection documentation included sample collection logs and chains of custody. The electronic data validation was performed utilizing the EQUIS Data Qualification Module (DQM). DQM checks for the following parameters:

- Holding times and preservation;
- Blank contamination;
 - 1. Method blanks,
 - 2. Trip blanks,
 - 3. Equipment blanks;
- Matrix spike and Duplicate sample recovery;
- Matrix Spike and Matrix Spike Duplicate relative percent differences;
- Laboratory Control Sample and Duplicate recovery;
- Laboratory Control Sample and Duplicate relative percent differences;
- Surrogate recovery (organic analyses only); and
- Field duplicate relative percent difference.

Manual review was performed for the following items:

- Sample dilutions and reporting limits;
- Case Narratives; and
- Laboratory Duplicates

Data was generated by Shealy Environmental Services, Inc. – West Columbia, South Carolina. Data qualifiers were applied electronically to the database with any additional qualifiers added manually. A summary of the data as amended by data qualifiers is included with the original hard copy reports.

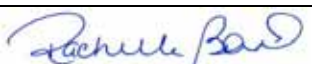
The attached table summarizes the data that were qualified due to QC deficiencies. The table indicates compounds/analytes qualified based on electronic and manual validation. Refer to the associated method section of the validation checklist for a detailed explanation of qualification. All other data in these SDGs are considered usable as reported.



**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: NA31002
HAA-01**

The following list of data qualifiers and definitions were applied in accordance with qualification criteria defined in the greater than guidance documents:

- UB Compound/analyte detected in blank or associated blank, qualified as a non-detect at listed value.
- J The analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ The analyte was not detected greater than the reporting limit; however, the reported quantitation limit is approximate and may, or may not represent the actual limit of quantitation necessary to accurately and precisely measure analyte in the sample.
- R The sample result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria; and the presence or absence of the analyte cannot be verified.
- U Not detected at the quantitative reporting limit

DQM RUN BY:	Rachelle Borne	03/12/12
REVIEW PERFORMED BY:	Rachelle Borne	03/12/12
SIGNATURE:		03/12/12



**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: NA31002
HAA-01**

The following samples were included in this SDG:

SDG	Sample ID	Sample Date	Parent Sample
NA31002	HA01-MW-12(013012)	01/30/12	
NA31002	HA01-MW-14(013012)	01/30/12	
NA31002	Trip Blank(013012)	01/30/12	



**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: NA31002
HAA-01**

ANALYTICAL DATA PACKAGE DOCUMENTATION

GENERAL INFORMATION

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Methods of analysis		X		X	
4. Reporting limits of analysis		X		X	
5. Master tracking list		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preparation/extraction date		X		X	
9. Sample analysis date		X		X	
10. Copy of chain-of-custody form signed by lab sample custodian		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Laboratory Signature		X		X	
13. South Carolina Certification Number		X		X	

QA - quality assurance

The analytical report was complete with the following exceptions or notations.

Note: The laboratory reported values between the quantitative reporting limit and the method detection limit as estimated concentrations. The "J" qualifier was retained in this validation. Non-detect values are reported at the quantitative reporting limit.

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: NA31002
HAA-01

VOLATILE ORGANIC COMPOUNDS

Items Reviewed	DQM Deficiency		Qualification Applied	
	No	Yes	No	Yes
1. Holding times/Preservation	DQM		DQM	
2. Reporting limits	M		M	
3. Blanks				
A. Method blanks	DQM		DQM	
B. Equipment blanks	NA		NA	
C. Trip blanks	DQM		DQM	
4. Surrogate spike recoveries	DQM		DQM	
5. Laboratory control sample (LCS)				
A. LCS %R		DQM	DQM	
B. LCS duplicate (LCSD) %R		DQM	DQM	
C. LCS/LCSD RPD	DQM		DQM	
6. Matrix spike (MS)				
A. MS %R	NA		NA	
B. MS duplicate (MSD) %R	NA		NA	
C. MS/MSD precision (RPD)	NA		NA	
7. Field Duplicate precision (RPD)	NA		NA	

M – Manual Review %R - percent recovery

RPD - relative percent difference

DQM – Data Qualification Module

Comments:

This section presents a discussion of any additions or changes to the electronic data validation for compounds analyzed by Method 8260B.

5. The recoveries of 1,1-dichloroethene and chloromethane were above the control limit in the LCS and/or the LCSD. The associated field samples were non-detect for these compounds; therefore, qualification of the data is not warranted.

**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: NB17010
HAA-01**

Analytical data were evaluated in accordance with applicable USEPA SW-846 method requirements, "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review" (October 1999), "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review" (July 2002), analytical method control criteria, the analytical laboratory Quality Assurance Control Limits, the Fort Stewart Military Reservation and Hunter Army Airfield Quality Assurance Project Plan (ARCADIS-2008), and professional judgment.

The data review summarized in this report includes a review of all sample collection documentation and the electronic data validation of the analytical data housed in the project database. Sample collection documentation included sample collection logs and chains of custody. The electronic data validation was performed utilizing the EQUIS Data Qualification Module (DQM). DQM checks for the following parameters:

- Holding times and preservation;
- Blank contamination;
 - 1. Method blanks,
 - 2. Trip blanks,
 - 3. Equipment blanks;
- Matrix spike and Duplicate sample recovery;
- Matrix Spike and Matrix Spike Duplicate relative percent differences;
- Laboratory Control Sample and Duplicate recovery;
- Laboratory Control Sample and Duplicate relative percent differences;
- Surrogate recovery (organic analyses only); and
- Field duplicate relative percent difference.

Manual review was performed for the following items:

- Sample dilutions and reporting limits;
- Case Narratives; and
- Laboratory Duplicates

Data was generated by Shealy Environmental Services, Inc. – West Columbia, South Carolina. Data qualifiers were applied electronically to the database with any additional qualifiers added manually. A summary of the data as amended by data qualifiers is included with the original hard copy reports.

The attached table summarizes the data that were qualified due to QC deficiencies. The table indicates compounds/analytes qualified based on electronic and manual validation. Refer to the associated method section of the validation checklist for a detailed explanation of qualification. All other data in these SDGs are considered usable as reported.



**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: NB17010
HAA-01**

The following list of data qualifiers and definitions were applied in accordance with qualification criteria defined in the greater than guidance documents:

- UB Compound/analyte detected in blank or associated blank, qualified as a non-detect at listed value.
- J The analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ The analyte was not detected greater than the reporting limit; however, the reported quantitation limit is approximate and may, or may not represent the actual limit of quantitation necessary to accurately and precisely measure analyte in the sample.
- R The sample result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria; and the presence or absence of the analyte cannot be verified.
- U Not detected at the quantitative reporting limit

DQM RUN BY:	Rachelle Borne	03/13/12
REVIEW PERFORMED BY:	Rachelle Borne	03/13/12
SIGNATURE:		03/13/12



**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: NB17010
HAA-01**

The following samples were included in this SDG:

SDG	Sample ID	Sample Date	Parent Sample
NB17010	H01-MS-7D(021612)	02/16/12	
NB17010	Trip Blank(021612)	02/16/12	

**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: NB17010
HAA-01**

ANALYTICAL DATA PACKAGE DOCUMENTATION

GENERAL INFORMATION

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Methods of analysis		X		X	
4. Reporting limits of analysis		X		X	
5. Master tracking list		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preparation/extraction date		X		X	
9. Sample analysis date		X		X	
10. Copy of chain-of-custody form signed by lab sample custodian		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Laboratory Signature		X		X	
13. South Carolina Certification Number		X		X	

QA - quality assurance

The analytical report was complete with the following exceptions or notations.

Note: The laboratory reported values between the quantitative reporting limit and the method detection limit as estimated concentrations. The "J" qualifier was retained in this validation. Non-detect values are reported at the quantitative reporting limit.

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: NB17010
HAA-01

VOLATILE ORGANIC COMPOUNDS

Items Reviewed	DQM Deficiency		Qualification Applied	
	No	Yes	No	Yes
1. Holding times/Preservation	DQM		DQM	
2. Reporting limits	M		M	
3. Blanks				
A. Method blanks	DQM		DQM	
B. Equipment blanks	NA		NA	
C. Trip blanks		DQM	DQM	
4. Surrogate spike recoveries	DQM		DQM	
5. Laboratory control sample (LCS)				
A. LCS %R	DQM		DQM	
B. LCS duplicate (LCSD) %R	DQM		DQM	
C. LCS/LCSD RPD		DQM		DQM
6. Matrix spike (MS)				
A. MS %R	NA		NA	
B. MS duplicate (MSD) %R	NA		NA	
C. MS/MSD precision (RPD)	NA		NA	
7. Field Duplicate precision (RPD)	NA		NA	

M – Manual Review %R - percent recovery

RPD - relative percent difference

DQM – Data Qualification Module

Comments:

This section presents a discussion of any additions or changes to the electronic data validation for compounds analyzed by Method 8260B.

- 3C. The compound methylene chloride was detected in the trip blank. The associated field sample was non-detect for this compound; therefore, qualification of the data was not warranted.

- 5. The RPD between the LCS/LCSD pair was above the control limit for acetone. The associated field samples were qualified as estimated for acetone.

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: NB17010
HAA-01

SEMIVOLATILE ORGANIC COMPOUNDS

Items Reviewed	DQM Deficiency		Qualification Applied	
	No	Yes	No	Yes
1. Holding times/Preservation	DQM		DQM	
2. Reporting limits	M		M	
3. Blanks				
A. Method blanks	DQM		DQM	
B. Equipment blanks	NA		NA	
4. Surrogate spike recoveries	DQM		DQM	
5. Laboratory control sample (LCS)				
A. LCS %R		DQM		DQM
B. LCS duplicate (LCSD) %R	NA		NA	
C. LCS/LCSD RPD	NA		NA	
6. Matrix spike (MS)				
A. MS %R		DQM		DQM
B. MS duplicate (MSD) %R		DQM		DQM
C. MS/MSD precision (RPD)		DQM		DQM
7. Field Duplicate precision (RPD)	NA		NA	

M – Manual Review %R - percent recovery

RPD - relative percent difference

DQM – Data Qualification Module

Comments:

This section presents a discussion of any additions or changes to the electronic data validation for compounds analyzed by Method 8270D.

5. The recovery of the compound 4-chloroaniline was below the control limit in the LCS. The associated field sample was qualified as estimated for this compound.
6. Sample location H01-MW-7D(021612) was used as the MS/MSD. Several recoveries and RPDs for several compounds were outside the control limit. The associated field sample was qualified as estimated for these compounds when applicable. See the attached qualification summary for details. The recovery of 4-chloroaniline was less than 10% in the MS. The parent sample was qualified as rejected for 4-chloroaniline.

**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: NB17010
HAA-01**

PESTICIDES AND HERBICIDES

Items Reviewed	DQM Deficiency		Qualification Applied	
	No	Yes	No	Yes
1. Holding times/Preservation	DQM		DQM	
2. Reporting limits	M		M	
3. Blanks				
A. Method blanks		DQM	DQM	
B. Equipment blanks	NA		NA	
4. Surrogate spike recoveries	DQM		DQM	
5. Laboratory control sample (LCS)				
A. LCS %R		DQM		DQM
B. LCS duplicate (LCSD) %R	NA		NA	
C. LCS/LCSD RPD	NA		NA	
6. Matrix spike (MS)				
A. MS %R	NA		NA	
B. MS duplicate (MSD) %R	NA		NA	
C. MS/MSD precision (RPD)	NA		NA	
7. Field Duplicate precision (RPD)	NA		NA	

M – Manual Review %R - percent recovery

RPD - relative percent difference

DQM – Data Qualification Module

Comments:

This section presents a discussion of any additions or changes to the electronic data validation for compounds analyzed by Methods 8151A and 8081B.

- 3A. The compound gamma chlordane was detected in the method blank. The associated field sample was non-detect for this compound; therefore, qualification of the data was not warranted.
4. One of two surrogate recoveries were below the control limit in the pesticide analysis for H01-MW-7D(021612). The method requires that only one surrogate recovery be within the laboratory control limits; therefore, qualification of the data was not warranted.
5. The recovery of the compound endrin aldehydes was below the control limit in the LCS. The associated field sample was qualified as estimated for this compound.

**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: NB17010
HAA-01**

METALS

Items Reviewed	DQM Deficiency		Qualification Applied	
	No	Yes	No	Yes
1. Holding times/Preservation	DQM		DQM	
2. Reporting limits	M		M	
3. Blanks				
A. Method blanks		DQM	DQM	
B. Equipment blanks	NA		NA	
4. Laboratory control sample (LCS)				
A. LCS %R	DQM		DQM	
B. LCS duplicate (LCSD) %R	DQM		DQM	
C. LCS/LCSD RPD	DQM		DQM	
5. Matrix spike (MS)				
A. MS %R	NA		NA	
B. MS duplicate (MSD) %R	NA		NA	
C. MS/MSD precision (RPD)	NA		NA	
6. Field/Lab Duplicate precision (RPD)	NA		NA	

M – Manual Review %R - percent recovery RPD - relative percent difference
DQM – Data Qualification Module

Comments:

This section presents a discussion of any additions or changes to the electronic data validation for compounds analyzed by Method 6010C and 7470A.

- 3A. The metals arsenic and lead were detected in the method blank. The associated field samples were non-detect for these metals; therefore, qualification of the data was not warranted.

Report of Analysis

ARCADIS U.S., Inc.
30 Patewood Drive
Suite 155
Greenville, SC 29615
Attention: Rachelle Borne

Project Name: HAA-01

Project Number: 10153001.0001.DE001

Lot Number: PL18008

Date Completed: 01/13/2015



Nisreen Saikaly
Project Manager



This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

*** PL18008 ***

SHEALY ENVIRONMENTAL SERVICES, INC.

SC DHEC No: 32010

NELAC No: E87653

NC DENR No: 329

NC Field Parameters No: 5639

Case Narrative ARCADIS U.S., Inc. Lot Number: PL18008

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Semivolatile Organic Compounds

The surrogate recovery for samples -003, -013 and -023 was outside the acceptance limit. This sample was diluted. The dilution impacted the surrogate recoveries, thus negating their usefulness concerning quality control. The sample results are reported and no corrective action is required.

The MS/MSD recoveries in batches 63730 and 63919 were outside acceptance criteria. All other QA/QC criteria for the batch were within acceptance criteria and method control limits. The MS/MSD recovery results are attributed to matrix interference. The associated sample results were reported and no corrective action was required.

The LCS recovery for 2,4-Dimethylphenol and 4-Chloroaniline exceeded method control limits in batch 63919; however, all other QA/QC criteria for the LCS were within acceptance criteria and method control limits. The associated sample results were non-detect, therefore the results were reported and no corrective action was required.

Hexavalent Chromium

Samples were received outside the holding time for Hexavalent Chromium analysis.

The MS/MSD recoveries in batch 63430 were outside acceptance criteria. All other QA/QC criteria for the batch were within acceptance criteria and method control limits. The MS/MSD recovery results are attributed to matrix interference. The associated sample results were reported and no corrective action was required.

Pesticides

The sample results associated with a P qualifier have a relative percent difference (RPD) between the two dissimilar phase GC columns which exceeds 40%. In accordance with Section 7.10.4 of SW-846 method 8000B, the higher of the two results is reported. Due to disparity of the two results, it is likely that the reported results are biased high, or maybe a false positive.

SHEALY ENVIRONMENTAL SERVICES, INC.

Sample Summary ARCADIS U.S., Inc. Lot Number: PL18008

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	HA01HMW02(121614)	Aqueous	12/16/2014 1045	12/18/2014
002	HA01HMW13(121614)	Aqueous	12/16/2014 1347	12/18/2014
003	D1(121614)	Aqueous	12/16/2014	12/18/2014
004	HA01MW14(121614)	Aqueous	12/16/2014 1537	12/18/2014
005	HA01HMW04(121614)	Aqueous	12/16/2014 1006	12/18/2014
006	HA01MW17(121614)	Aqueous	12/16/2014 1106	12/18/2014
007	HA01HMW11(121614)	Aqueous	12/16/2014 1406	12/18/2014
008	HA01HMW06(121714)	Aqueous	12/16/2014 1452	12/18/2014
009	HA01MW14D(121714)	Aqueous	12/17/2014 1151	12/18/2014
010	D2(121614)	Aqueous	12/16/2014 1201	12/18/2014
012	HA01MW15(121714)	Aqueous	12/17/2014 1015	12/18/2014
013	HA01HMW24(121714)	Aqueous	12/17/2014 0942	12/18/2014
014	HA01HMW23(121714)	Aqueous	12/17/2014 1046	12/18/2014
015	HA01HMW10(121714)	Aqueous	12/17/2014 1156	12/18/2014
016	HA01SW03(121714)	Aqueous	12/17/2014 1415	12/18/2014
017	HA01SW02(121714)	Aqueous	12/17/2014 1445	12/18/2014
018	HA01SW01(121714)	Aqueous	12/17/2014 1520	12/18/2014
019	D1(121714)	Aqueous	12/17/2014 1201	12/18/2014
020	HA01SD03(121714)	Solid	12/17/2014 1410	12/18/2014
021	HA01SD02(121714)	Solid	12/17/2014 1440	12/18/2014
022	HA01SD01(121714)	Solid	12/17/2014 1520	12/18/2014
023	D2(121714)	Solid	12/17/2014	12/18/2014
024	TRIP BLANK	Aqueous	12/16/2014	12/18/2014

(23 samples)

SHEALY ENVIRONMENTAL SERVICES, INC.

Executive Summary

ARCADIS U.S., Inc.

Lot Number: PL18008

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	HA01HMW02(121614)	Aqueous	Carbon disulfide	8260B	0.18	J	ug/L	9
002	HA01HMW13(121614)	Aqueous	Acetone	8260B	8.9	J	ug/L	11
002	HA01HMW13(121614)	Aqueous	Benzene	8260B	30		ug/L	11
002	HA01HMW13(121614)	Aqueous	Chloroethane	8260B	0.55	J	ug/L	11
002	HA01HMW13(121614)	Aqueous	Chloromethane (Methyl chloride)	8260B	0.51	J	ug/L	11
002	HA01HMW13(121614)	Aqueous	1,2-Dichlorobenzene	8260B	0.40	J	ug/L	11
002	HA01HMW13(121614)	Aqueous	Ethylbenzene	8260B	27		ug/L	11
002	HA01HMW13(121614)	Aqueous	1,1,2,2-Tetrachloroethane	8260B	0.34	J	ug/L	11
002	HA01HMW13(121614)	Aqueous	Xylenes (total)	8260B	0.81	J	ug/L	11
002	HA01HMW13(121614)	Aqueous	2-Methylnaphthalene	8270D	13		ug/L	13
002	HA01HMW13(121614)	Aqueous	Naphthalene	8270D	88		ug/L	14
003	D1(121614)	Aqueous	Acetone	8260B	14	J	ug/L	15
003	D1(121614)	Aqueous	Benzene	8260B	29		ug/L	15
003	D1(121614)	Aqueous	Chloroethane	8260B	0.65	J	ug/L	15
003	D1(121614)	Aqueous	Chloromethane (Methyl chloride)	8260B	0.73	J	ug/L	15
003	D1(121614)	Aqueous	1,2-Dichlorobenzene	8260B	0.40	J	ug/L	15
003	D1(121614)	Aqueous	Ethylbenzene	8260B	26		ug/L	15
003	D1(121614)	Aqueous	Xylenes (total)	8260B	0.81	J	ug/L	15
003	D1(121614)	Aqueous	2-Methylnaphthalene	8270D	22		ug/L	17
003	D1(121614)	Aqueous	Naphthalene	8270D	120		ug/L	18
004	HA01MW14(121614)	Aqueous	gamma-BHC (Lindane)	8081B	0.0063	BJ	ug/L	22
004	HA01MW14(121614)	Aqueous	Dissolved Barium	6010C	0.074		mg/L	23
004	HA01MW14(121614)	Aqueous	Dissolved Chromium	6010C	0.0062		mg/L	23
004	HA01MW14(121614)	Aqueous	Dissolved Lead	6010C	0.0072	J	mg/L	23
004	HA01MW14(121614)	Aqueous	Barium	6010C	0.095		mg/L	24
004	HA01MW14(121614)	Aqueous	Chromium	6010C	0.010		mg/L	24
004	HA01MW14(121614)	Aqueous	Lead	6010C	0.012		mg/L	24
007	HA01HMW11(121614)	Aqueous	Acetone	8260B	56		ug/L	29
007	HA01HMW11(121614)	Aqueous	2-Butanone (MEK)	8260B	2.4	J	ug/L	29
007	HA01HMW11(121614)	Aqueous	Carbon disulfide	8260B	0.57	J	ug/L	29
007	HA01HMW11(121614)	Aqueous	1,1,2,2-Tetrachloroethane	8260B	0.16	J	ug/L	29
007	HA01HMW11(121614)	Aqueous	1,1,1-Trichloroethane	8260B	0.20	J	ug/L	29
008	HA01HMW06(121714)	Aqueous	Benzene	8260B	0.87	J	ug/L	31
008	HA01HMW06(121714)	Aqueous	Carbon disulfide	8260B	0.33	J	ug/L	31
008	HA01HMW06(121714)	Aqueous	cis-1,2-Dichloroethene	8260B	0.39	J	ug/L	31
008	HA01HMW06(121714)	Aqueous	Vinyl chloride	8260B	0.34	J	ug/L	31
009	HA01MW14D(121714)	Aqueous	Carbon disulfide	8260B	0.35	J	ug/L	35
010	D2(121614)	Aqueous	Carbon disulfide	8260B	0.36	J	ug/L	38
010	D2(121614)	Aqueous	gamma-BHC (Lindane)	8081B	0.0083	BJP	ug/L	40
010	D2(121614)	Aqueous	alpha-BHC	8081B	0.0010	BJP	ug/L	40
010	D2(121614)	Aqueous	beta-BHC	8081B	0.0046	J	ug/L	40
010	D2(121614)	Aqueous	delta-BHC	8081B	0.0026	BJP	ug/L	40
010	D2(121614)	Aqueous	alpha-Chlordane	8081B	0.0018	JP	ug/L	40
010	D2(121614)	Aqueous	gamma-Chlordane	8081B	0.0034	JP	ug/L	40
010	D2(121614)	Aqueous	4,4'-DDT	8081B	0.0070	JP	ug/L	40

Executive Summary (Continued)

Lot Number: PL18008

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
010	D2(121614)	Aqueous	Endosulfan I	8081B	0.0023	JP	ug/L	40
010	D2(121614)	Aqueous	Endosulfan II	8081B	0.0049	JP	ug/L	40
010	D2(121614)	Aqueous	Dissolved Barium	6010C	0.076		mg/L	41
010	D2(121614)	Aqueous	Dissolved Chromium	6010C	0.0066		mg/L	41
010	D2(121614)	Aqueous	Dissolved Lead	6010C	0.0067	J	mg/L	41
010	D2(121614)	Aqueous	Barium	6010C	0.12		mg/L	42
010	D2(121614)	Aqueous	Chromium	6010C	0.25		mg/L	42
010	D2(121614)	Aqueous	Lead	6010C	0.023		mg/L	42
010	D2(121614)	Aqueous	Mercury	7470A	0.000027	J	mg/L	42
012	HA01MW15(121714)	Aqueous	cis-1,2-Dichloroethene	8260B	2.6		ug/L	44
012	HA01MW15(121714)	Aqueous	Dissolved Barium	6010C	0.036		mg/L	46
012	HA01MW15(121714)	Aqueous	Dissolved Lead	6010C	0.0041	J	mg/L	46
012	HA01MW15(121714)	Aqueous	Barium	6010C	0.040		mg/L	47
012	HA01MW15(121714)	Aqueous	Lead	6010C	0.0061	J	mg/L	47
012	HA01MW15(121714)	Aqueous	Mercury	7470A	0.000017	J	mg/L	47
012	HA01MW15(121714)	Aqueous	Silver	6010C	0.00040	J	mg/L	47
013	HA01HMW24(121714)	Aqueous	Benzene	8260B	6.1		ug/L	48
013	HA01HMW24(121714)	Aqueous	Carbon disulfide	8260B	0.32	J	ug/L	48
013	HA01HMW24(121714)	Aqueous	Ethylbenzene	8260B	5.6		ug/L	48
013	HA01HMW24(121714)	Aqueous	Xylenes (total)	8260B	0.35	J	ug/L	48
014	HA01HMW23(121714)	Aqueous	Benzene	8260B	1.1		ug/L	52
014	HA01HMW23(121714)	Aqueous	Carbon disulfide	8260B	0.32	J	ug/L	52
014	HA01HMW23(121714)	Aqueous	Chlorobenzene	8260B	2.9		ug/L	52
014	HA01HMW23(121714)	Aqueous	1,2-Dichlorobenzene	8260B	0.46	J	ug/L	52
014	HA01HMW23(121714)	Aqueous	Ethylbenzene	8260B	3.0		ug/L	52
014	HA01HMW23(121714)	Aqueous	Naphthalene	8270D	9.0	J	ug/L	55
015	HA01HMW10(121714)	Aqueous	Acetone	8260B	9.3	J	ug/L	56
015	HA01HMW10(121714)	Aqueous	Benzene	8260B	19		ug/L	56
015	HA01HMW10(121714)	Aqueous	Carbon disulfide	8260B	0.33	J	ug/L	56
015	HA01HMW10(121714)	Aqueous	Chlorobenzene	8260B	0.38	J	ug/L	56
015	HA01HMW10(121714)	Aqueous	cis-1,2-Dichloroethene	8260B	0.54	J	ug/L	56
015	HA01HMW10(121714)	Aqueous	Ethylbenzene	8260B	0.42	J	ug/L	56
015	HA01HMW10(121714)	Aqueous	Toluene	8260B	0.35	J	ug/L	56
015	HA01HMW10(121714)	Aqueous	1,1,1-Trichloroethane	8260B	0.20	J	ug/L	56
015	HA01HMW10(121714)	Aqueous	Vinyl chloride	8260B	0.23	J	ug/L	56
015	HA01HMW10(121714)	Aqueous	Xylenes (total)	8260B	0.62	J	ug/L	56
016	HA01SW03(121714)	Aqueous	Carbon disulfide	8260B	0.32	J	ug/L	59
016	HA01SW03(121714)	Aqueous	gamma-BHC (Lindane)	8081B	0.0012	BJP	ug/L	63
016	HA01SW03(121714)	Aqueous	Arsenic	6020A	0.46	J	ug/L	64
016	HA01SW03(121714)	Aqueous	Barium	6020A	28	B	ug/L	64
016	HA01SW03(121714)	Aqueous	Lead	6020A	0.74	J	ug/L	64
016	HA01SW03(121714)	Aqueous	Selenium	6020A	0.80	J	ug/L	64
017	HA01SW02(121714)	Aqueous	Carbon disulfide	8260B	0.35	J	ug/L	67
017	HA01SW02(121714)	Aqueous	gamma-BHC (Lindane)	8081B	0.0017	BJP	ug/L	71
017	HA01SW02(121714)	Aqueous	Arsenic	6020A	0.36	J	ug/L	72
017	HA01SW02(121714)	Aqueous	Barium	6020A	28	B	ug/L	72
017	HA01SW02(121714)	Aqueous	Lead	6020A	0.91	J	ug/L	72
017	HA01SW02(121714)	Aqueous	Selenium	6020A	1.5		ug/L	72

Executive Summary (Continued)

Lot Number: PL18008

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
018	HA01SW01(121714)	Aqueous	Benzene	8260B	0.27	J	ug/L	75
018	HA01SW01(121714)	Aqueous	Carbon disulfide	8260B	0.64	J	ug/L	75
018	HA01SW01(121714)	Aqueous	Ethylbenzene	8260B	0.40	J	ug/L	75
018	HA01SW01(121714)	Aqueous	Xylenes (total)	8260B	1.8		ug/L	75
018	HA01SW01(121714)	Aqueous	beta-BHC	8081B	0.0048	J	ug/L	79
018	HA01SW01(121714)	Aqueous	Methoxychlor	8081B	0.0020	JP	ug/L	79
018	HA01SW01(121714)	Aqueous	Arsenic	6020A	0.53	J	ug/L	80
018	HA01SW01(121714)	Aqueous	Barium	6020A	29	B	ug/L	80
018	HA01SW01(121714)	Aqueous	Lead	6020A	1.1		ug/L	80
018	HA01SW01(121714)	Aqueous	Selenium	6020A	1.4		ug/L	80
019	D1(121714)	Aqueous	Benzene	8260B	0.31	J	ug/L	83
019	D1(121714)	Aqueous	Carbon disulfide	8260B	0.55	J	ug/L	83
019	D1(121714)	Aqueous	Ethylbenzene	8260B	0.34	J	ug/L	83
019	D1(121714)	Aqueous	Xylenes (total)	8260B	1.9		ug/L	83
019	D1(121714)	Aqueous	gamma-BHC (Lindane)	8081B	0.0020	BJP	ug/L	87
019	D1(121714)	Aqueous	alpha-BHC	8081B	0.0015	BJP	ug/L	87
019	D1(121714)	Aqueous	delta-BHC	8081B	0.0015	BJ	ug/L	87
019	D1(121714)	Aqueous	Endrin	8081B	0.0010	BJP	ug/L	87
019	D1(121714)	Aqueous	Endrin aldehyde	8081B	0.0019	JP	ug/L	87
019	D1(121714)	Aqueous	Barium	6010C	0.029		mg/L	88
019	D1(121714)	Aqueous	Lead	6010C	0.0030	J	mg/L	88
019	D1(121714)	Aqueous	Silver	6010C	0.00070	J	mg/L	88
020	HA01SD03(121714)	Solid	Hexavalent Chromium	7196A	0.60	J	mg/kg	89
020	HA01SD03(121714)	Solid	Benzo(a)anthracene	8270D	12	J	ug/kg	92
020	HA01SD03(121714)	Solid	Benzo(b)fluoranthene	8270D	14	J	ug/kg	92
020	HA01SD03(121714)	Solid	Caprolactam	8270D	42		ug/kg	92
020	HA01SD03(121714)	Solid	Fluoranthene	8270D	17	J	ug/kg	92
020	HA01SD03(121714)	Solid	Phenol	8270D	11	J	ug/kg	93
020	HA01SD03(121714)	Solid	Endrin ketone	8081B	0.56	JP	ug/kg	94
020	HA01SD03(121714)	Solid	Arsenic	6010C	0.23	J	mg/kg	95
020	HA01SD03(121714)	Solid	Barium	6010C	3.5		mg/kg	95
020	HA01SD03(121714)	Solid	Cadmium	6010C	0.037	J	mg/kg	95
020	HA01SD03(121714)	Solid	Chromium	6010C	1.2		mg/kg	95
020	HA01SD03(121714)	Solid	Lead	6010C	1.6		mg/kg	95
021	HA01SD02(121714)	Solid	Hexavalent Chromium	7196A	0.65	J	mg/kg	96
021	HA01SD02(121714)	Solid	Benzo(a)anthracene	8270D	13	J	ug/kg	99
021	HA01SD02(121714)	Solid	Benzo(a)pyrene	8270D	11	J	ug/kg	99
021	HA01SD02(121714)	Solid	Benzo(b)fluoranthene	8270D	15	J	ug/kg	99
021	HA01SD02(121714)	Solid	Benzo(g,h,i)perylene	8270D	14	J	ug/kg	99
021	HA01SD02(121714)	Solid	Fluoranthene	8270D	15	J	ug/kg	99
021	HA01SD02(121714)	Solid	Phenol	8270D	12	J	ug/kg	100
021	HA01SD02(121714)	Solid	Arsenic	6010C	0.29	J	mg/kg	102
021	HA01SD02(121714)	Solid	Barium	6010C	14		mg/kg	102
021	HA01SD02(121714)	Solid	Cadmium	6010C	0.063	J	mg/kg	102
021	HA01SD02(121714)	Solid	Chromium	6010C	3.5		mg/kg	102
021	HA01SD02(121714)	Solid	Lead	6010C	3.2		mg/kg	102
022	HA01SD01(121714)	Solid	Hexavalent Chromium	7196A	0.56	J	mg/kg	103
022	HA01SD01(121714)	Solid	Acetone	8260B	11	J	ug/kg	104

Executive Summary (Continued)

Lot Number: PL18008

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
022	HA01SD01(121714)	Solid	Acenaphthene	8270D	34	J	ug/kg	106
022	HA01SD01(121714)	Solid	Anthracene	8270D	88		ug/kg	106
022	HA01SD01(121714)	Solid	Benzo(a)anthracene	8270D	630		ug/kg	106
022	HA01SD01(121714)	Solid	Benzo(a)pyrene	8270D	720		ug/kg	106
022	HA01SD01(121714)	Solid	Benzo(b)fluoranthene	8270D	1400		ug/kg	106
022	HA01SD01(121714)	Solid	Benzo(g,h,i)perylene	8270D	360		ug/kg	106
022	HA01SD01(121714)	Solid	Benzo(k)fluoranthene	8270D	610		ug/kg	106
022	HA01SD01(121714)	Solid	Carbazole	8270D	170		ug/kg	106
022	HA01SD01(121714)	Solid	Chrysene	8270D	840		ug/kg	106
022	HA01SD01(121714)	Solid	bis(2-Ethylhexyl)phthalate	8270D	150		ug/kg	106
022	HA01SD01(121714)	Solid	Fluoranthene	8270D	2000		ug/kg	106
022	HA01SD01(121714)	Solid	Fluorene	8270D	46	J	ug/kg	106
022	HA01SD01(121714)	Solid	Indeno(1,2,3-c,d)pyrene	8270D	360		ug/kg	107
022	HA01SD01(121714)	Solid	Phenanthrene	8270D	920		ug/kg	107
022	HA01SD01(121714)	Solid	Pyrene	8270D	1200		ug/kg	107
022	HA01SD01(121714)	Solid	delta-BHC	8081B	0.62	JP	ug/kg	108
022	HA01SD01(121714)	Solid	gamma-BHC (Lindane)	8081B	2.4	JP	ug/kg	108
022	HA01SD01(121714)	Solid	4,4'-DDD	8081B	1.0	JP	ug/kg	108
022	HA01SD01(121714)	Solid	4,4'-DDT	8081B	2.7	JP	ug/kg	108
022	HA01SD01(121714)	Solid	Endosulfan sulfate	8081B	3.9	JP	ug/kg	108
022	HA01SD01(121714)	Solid	Endrin	8081B	1.8	JP	ug/kg	108
022	HA01SD01(121714)	Solid	Endrin aldehyde	8081B	2.0	JP	ug/kg	108
022	HA01SD01(121714)	Solid	Endrin ketone	8081B	4.7	JP	ug/kg	108
022	HA01SD01(121714)	Solid	Methoxychlor	8081B	13	JP	ug/kg	108
022	HA01SD01(121714)	Solid	Arsenic	6010C	0.47	J	mg/kg	109
022	HA01SD01(121714)	Solid	Barium	6010C	14		mg/kg	109
022	HA01SD01(121714)	Solid	Cadmium	6010C	0.12		mg/kg	109
022	HA01SD01(121714)	Solid	Chromium	6010C	4.3		mg/kg	109
022	HA01SD01(121714)	Solid	Lead	6010C	5.0		mg/kg	109
023	D2(121714)	Solid	Hexavalent Chromium	7196A	0.82	J	mg/kg	110
023	D2(121714)	Solid	Acenaphthene	8270D	63	J	ug/kg	113
023	D2(121714)	Solid	Anthracene	8270D	260		ug/kg	113
023	D2(121714)	Solid	Benzo(a)anthracene	8270D	960		ug/kg	113
023	D2(121714)	Solid	Benzo(a)pyrene	8270D	980		ug/kg	113
023	D2(121714)	Solid	Benzo(b)fluoranthene	8270D	2200		ug/kg	113
023	D2(121714)	Solid	Benzo(g,h,i)perylene	8270D	370		ug/kg	113
023	D2(121714)	Solid	Benzo(k)fluoranthene	8270D	820		ug/kg	113
023	D2(121714)	Solid	Carbazole	8270D	320		ug/kg	113
023	D2(121714)	Solid	Chrysene	8270D	1300		ug/kg	113
023	D2(121714)	Solid	Dibenzofuran	8270D	40	J	ug/kg	113
023	D2(121714)	Solid	bis(2-Ethylhexyl)phthalate	8270D	1100		ug/kg	113
023	D2(121714)	Solid	Fluoranthene	8270D	2900		ug/kg	113
023	D2(121714)	Solid	Fluorene	8270D	86		ug/kg	113
023	D2(121714)	Solid	Indeno(1,2,3-c,d)pyrene	8270D	390		ug/kg	114
023	D2(121714)	Solid	Phenanthrene	8270D	1200		ug/kg	114
023	D2(121714)	Solid	Pyrene	8270D	1700		ug/kg	114
023	D2(121714)	Solid	4,4'-DDD	8081B	2.7	JP	ug/kg	115
023	D2(121714)	Solid	4,4'-DDT	8081B	4.1	JP	ug/kg	115

Executive Summary (Continued)

Lot Number: PL18008

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
023	D2(121714)	Solid	Dieldrin	8081B	0.78	JP	ug/kg	115
023	D2(121714)	Solid	Endosulfan II	8081B	0.76	JP	ug/kg	115
023	D2(121714)	Solid	Endosulfan sulfate	8081B	5.3	JP	ug/kg	115
023	D2(121714)	Solid	Endrin	8081B	2.0	JP	ug/kg	115
023	D2(121714)	Solid	Endrin aldehyde	8081B	2.4	JP	ug/kg	115
023	D2(121714)	Solid	Endrin ketone	8081B	4.5	JP	ug/kg	115
023	D2(121714)	Solid	Methoxychlor	8081B	17	JP	ug/kg	115
023	D2(121714)	Solid	Arsenic	6010C	0.56	J	mg/kg	116
023	D2(121714)	Solid	Barium	6010C	10		mg/kg	116
023	D2(121714)	Solid	Cadmium	6010C	0.21		mg/kg	116
023	D2(121714)	Solid	Chromium	6010C	4.8		mg/kg	116
023	D2(121714)	Solid	Lead	6010C	6.2		mg/kg	116
024	TRIP BLANK	Aqueous	Carbon disulfide	8260B	0.43	J	ug/L	117

(202 detections)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-001			
Description: HA01HMW02(121614)				Matrix: Aqueous			
Date Sampled: 12/16/2014 1045							
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/22/2014 1224	DCS		63707

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	0.18	J	1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.	Laboratory ID: PL18008-001
Description: HA01HMW02(121614)	Matrix: Aqueous
Date Sampled: 12/16/2014 1045	
Date Received: 12/18/2014	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		106	70-130
Bromofluorobenzene		108	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-002			
Description: HA01HWMW13(121614)				Matrix: Aqueous			
Date Sampled: 12/16/2014 1347							
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
2	5030B	8260B	1	12/24/2014 1535	PMM2		63929		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	8.9	J	20	6.7	ug/L	2	
Benzene	71-43-2	8260B	30		1.0	0.13	ug/L	2	
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	2	
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	2	
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	2	
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	2	
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	2	
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	2	
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	2	
Chloroethane	75-00-3	8260B	0.55	J	2.0	0.47	ug/L	2	
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	2	
Chloromethane (Methyl chloride)	74-87-3	8260B	0.51	J	1.0	0.35	ug/L	2	
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	2	
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	2	
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	2	
1,2-Dichlorobenzene	95-50-1	8260B	0.40	J	1.0	0.33	ug/L	2	
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	2	
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	2	
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	2	
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	2	
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	2	
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	2	
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	2	
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	2	
Ethylbenzene	100-41-4	8260B	27		1.0	0.33	ug/L	2	
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	2	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	2	
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	2	
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	2	
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	2	
1,1,2,2-Tetrachloroethane	79-34-5	8260B	0.34	J	1.0	0.16	ug/L	2	
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	2	
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	2	
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	2	
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	2	
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	2	
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	2	
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	2	
Xylenes (total)	1330-20-7	8260B	0.81	J	1.0	0.33	ug/L	2	

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.	Laboratory ID: PL18008-002
Description: HA01HMW13(121614)	Matrix: Aqueous
Date Sampled: 12/16/2014 1347	
Date Received: 12/18/2014	

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	70-130
Bromofluorobenzene		109	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-002

Description: HA01HWMW13(121614)

Matrix: Aqueous

Date Sampled: 12/16/2014 1347

Date Received: 12/18/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	10	12/30/2014 1510	DRB1	12/22/2014 1616	63730

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		10	0.90	ug/L	1
Acenaphthylene	208-96-8	8270D	ND		10	1.6	ug/L	1
Anthracene	120-12-7	8270D	ND		10	1.3	ug/L	1
Benzo(a)anthracene	56-55-3	8270D	ND		10	1.5	ug/L	1
Benzo(a)pyrene	50-32-8	8270D	ND		10	1.6	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		10	2.0	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		10	2.3	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		10	1.2	ug/L	1
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		10	1.2	ug/L	1
Butyl benzyl phthalate	85-68-7	8270D	ND		50	17	ug/L	1
Carbazole	86-74-8	8270D	ND		10	2.5	ug/L	1
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		10	2.2	ug/L	1
4-Chloroaniline	106-47-8	8270D	ND		10	1.3	ug/L	1
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		10	1.3	ug/L	1
bis(2-Chloroisopropyl)ether	108-60-1	8270D	ND		10	0.80	ug/L	1
2-Chloronaphthalene	91-58-7	8270D	ND		10	1.2	ug/L	1
2-Chlorophenol	95-57-8	8270D	ND		10	1.3	ug/L	1
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		10	1.1	ug/L	1
Chrysene	218-01-9	8270D	ND		10	1.2	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		10	1.3	ug/L	1
Dibenzofuran	132-64-9	8270D	ND		10	1.6	ug/L	1
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		50	8.1	ug/L	1
2,4-Dichlorophenol	120-83-2	8270D	ND		10	1.5	ug/L	1
Diethylphthalate	84-66-2	8270D	ND		50	17	ug/L	1
Dimethyl phthalate	131-11-3	8270D	ND		50	17	ug/L	1
2,4-Dimethylphenol	105-67-9	8270D	ND		10	3.1	ug/L	1
Di-n-butyl phthalate	84-74-2	8270D	ND		50	17	ug/L	1
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		50	15	ug/L	1
2,4-Dinitrophenol	51-28-5	8270D	ND		50	2.5	ug/L	1
2,4-Dinitrotoluene	121-14-2	8270D	ND		20	4.5	ug/L	1
2,6-Dinitrotoluene	606-20-2	8270D	ND		20	4.0	ug/L	1
Di-n-octylphthalate	117-84-0	8270D	ND		50	17	ug/L	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		50	17	ug/L	1
Fluoranthene	206-44-0	8270D	ND		10	2.1	ug/L	1
Fluorene	86-73-7	8270D	ND		10	1.0	ug/L	1
Hexachlorobenzene	118-74-1	8270D	ND		10	2.1	ug/L	1
Hexachlorobutadiene	87-68-3	8270D	ND		10	0.90	ug/L	1
Hexachlorocyclopentadiene	77-47-4	8270D	ND		50	2.3	ug/L	1
Hexachloroethane	67-72-1	8270D	ND		10	1.1	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		10	2.3	ug/L	1
Isophorone	78-59-1	8270D	ND		10	0.80	ug/L	1
2-Methylnaphthalene	91-57-6	8270D	13		10	0.80	ug/L	1
2-Methylphenol	95-48-7	8270D	ND		10	1.7	ug/L	1
3 & 4-Methylphenol	106-44-5	8270D	ND		20	5.7	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 13 of 202

Level 1 Report v2.1

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-002

Description: HA01HMW13(121614)

Matrix: Aqueous

Date Sampled: 12/16/2014 1347

Date Received: 12/18/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	10	12/30/2014 1510	DRB1	12/22/2014 1616	63730

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Naphthalene	91-20-3	8270D	88		10	0.70	ug/L	1
2-Nitroaniline	88-74-4	8270D	ND		20	5.5	ug/L	1
3-Nitroaniline	99-09-2	8270D	ND		20	7.7	ug/L	1
4-Nitroaniline	100-01-6	8270D	ND		20	3.9	ug/L	1
Nitrobenzene	98-95-3	8270D	ND		10	1.0	ug/L	1
2-Nitrophenol	88-75-5	8270D	ND		20	2.7	ug/L	1
4-Nitrophenol	100-02-7	8270D	ND		50	6.4	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		10	0.80	ug/L	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		10	3.8	ug/L	1
Pentachlorophenol	87-86-5	8270D	ND		50	5.4	ug/L	1
Phenanthrene	85-01-8	8270D	ND		10	1.8	ug/L	1
Phenol	108-95-2	8270D	ND		10	1.1	ug/L	1
Pyrene	129-00-0	8270D	ND		10	1.6	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		10	1.8	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		10	2.2	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		57	37-129
2-Fluorophenol		61	24-127
Nitrobenzene-d5	N	197	38-127
Phenol-d5		60	28-128
Terphenyl-d14		41	10-148
2,4,6-Tribromophenol		78	41-144

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 14 of 202

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-003			
Description: D1(121614)				Matrix: Aqueous			
Date Sampled: 12/16/2014							
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
2	5030B	8260B	1	12/24/2014 1558	PMM2		63929		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	14	J	20	6.7	ug/L	2	
Benzene	71-43-2	8260B	29		1.0	0.13	ug/L	2	
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	2	
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	2	
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	2	
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	2	
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	2	
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	2	
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	2	
Chloroethane	75-00-3	8260B	0.65	J	2.0	0.47	ug/L	2	
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	2	
Chloromethane (Methyl chloride)	74-87-3	8260B	0.73	J	1.0	0.35	ug/L	2	
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	2	
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	2	
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	2	
1,2-Dichlorobenzene	95-50-1	8260B	0.40	J	1.0	0.33	ug/L	2	
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	2	
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	2	
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	2	
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	2	
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	2	
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	2	
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	2	
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	2	
Ethylbenzene	100-41-4	8260B	26		1.0	0.33	ug/L	2	
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	2	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	2	
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	2	
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	2	
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	2	
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	2	
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	2	
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	2	
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	2	
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	2	
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	2	
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	2	
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	2	
Xylenes (total)	1330-20-7	8260B	0.81	J	1.0	0.33	ug/L	2	

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.	Laboratory ID: PL18008-003
Description: D1(121614)	Matrix: Aqueous
Date Sampled: 12/16/2014	
Date Received: 12/18/2014	

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		109	70-130
Bromofluorobenzene		108	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-003

Description: D1(121614)

Matrix: Aqueous

Date Sampled: 12/16/2014

Date Received: 12/18/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	10	12/30/2014 1557	DRB1	12/22/2014 1616	63730

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		10	0.90	ug/L	1
Acenaphthylene	208-96-8	8270D	ND		10	1.6	ug/L	1
Anthracene	120-12-7	8270D	ND		10	1.3	ug/L	1
Benzo(a)anthracene	56-55-3	8270D	ND		10	1.5	ug/L	1
Benzo(a)pyrene	50-32-8	8270D	ND		10	1.6	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		10	2.0	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		10	2.3	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		10	1.2	ug/L	1
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		10	1.2	ug/L	1
Butyl benzyl phthalate	85-68-7	8270D	ND		50	17	ug/L	1
Carbazole	86-74-8	8270D	ND		10	2.5	ug/L	1
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		10	2.2	ug/L	1
4-Chloroaniline	106-47-8	8270D	ND		10	1.3	ug/L	1
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		10	1.3	ug/L	1
bis(2-Chloroisopropyl)ether	108-60-1	8270D	ND		10	0.80	ug/L	1
2-Chloronaphthalene	91-58-7	8270D	ND		10	1.2	ug/L	1
2-Chlorophenol	95-57-8	8270D	ND		10	1.3	ug/L	1
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		10	1.1	ug/L	1
Chrysene	218-01-9	8270D	ND		10	1.2	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		10	1.3	ug/L	1
Dibenzofuran	132-64-9	8270D	ND		10	1.6	ug/L	1
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		50	8.1	ug/L	1
2,4-Dichlorophenol	120-83-2	8270D	ND		10	1.5	ug/L	1
Diethylphthalate	84-66-2	8270D	ND		50	17	ug/L	1
Dimethyl phthalate	131-11-3	8270D	ND		50	17	ug/L	1
2,4-Dimethylphenol	105-67-9	8270D	ND		10	3.1	ug/L	1
Di-n-butyl phthalate	84-74-2	8270D	ND		50	17	ug/L	1
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		50	15	ug/L	1
2,4-Dinitrophenol	51-28-5	8270D	ND		50	2.5	ug/L	1
2,4-Dinitrotoluene	121-14-2	8270D	ND		20	4.5	ug/L	1
2,6-Dinitrotoluene	606-20-2	8270D	ND		20	4.0	ug/L	1
Di-n-octylphthalate	117-84-0	8270D	ND		50	17	ug/L	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		50	17	ug/L	1
Fluoranthene	206-44-0	8270D	ND		10	2.1	ug/L	1
Fluorene	86-73-7	8270D	ND		10	1.0	ug/L	1
Hexachlorobenzene	118-74-1	8270D	ND		10	2.1	ug/L	1
Hexachlorobutadiene	87-68-3	8270D	ND		10	0.90	ug/L	1
Hexachlorocyclopentadiene	77-47-4	8270D	ND		50	2.3	ug/L	1
Hexachloroethane	67-72-1	8270D	ND		10	1.1	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		10	2.3	ug/L	1
Isophorone	78-59-1	8270D	ND		10	0.80	ug/L	1
2-Methylnaphthalene	91-57-6	8270D	22		10	0.80	ug/L	1
2-Methylphenol	95-48-7	8270D	ND		10	1.7	ug/L	1
3 & 4-Methylphenol	106-44-5	8270D	ND		20	5.7	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 17 of 202

Level 1 Report v2.1

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-003

Description: D1(121614)

Matrix: Aqueous

Date Sampled: 12/16/2014

Date Received: 12/18/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	10	12/30/2014 1557	DRB1	12/22/2014 1616	63730

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Naphthalene	91-20-3	8270D	120		10	0.70	ug/L	1
2-Nitroaniline	88-74-4	8270D	ND		20	5.5	ug/L	1
3-Nitroaniline	99-09-2	8270D	ND		20	7.7	ug/L	1
4-Nitroaniline	100-01-6	8270D	ND		20	3.9	ug/L	1
Nitrobenzene	98-95-3	8270D	ND		10	1.0	ug/L	1
2-Nitrophenol	88-75-5	8270D	ND		20	2.7	ug/L	1
4-Nitrophenol	100-02-7	8270D	ND		50	6.4	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		10	0.80	ug/L	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		10	3.8	ug/L	1
Pentachlorophenol	87-86-5	8270D	ND		50	5.4	ug/L	1
Phenanthrene	85-01-8	8270D	ND		10	1.8	ug/L	1
Phenol	108-95-2	8270D	ND		10	1.1	ug/L	1
Pyrene	129-00-0	8270D	ND		10	1.6	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		10	1.8	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		10	2.2	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		71	37-129
2-Fluorophenol		62	24-127
Nitrobenzene-d5	N	227	38-127
Phenol-d5		72	28-128
Terphenyl-d14		61	10-148
2,4,6-Tribromophenol		96	41-144

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 18 of 202

Level 1 Report v2.1

Inorganic non-metals

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-004			
Description: HA01MW14(121614)				Matrix: Aqueous			
Date Sampled: 12/16/2014 1537							
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Hexavalent C) 7196A	1	12/18/2014 1341	BLB		63424
1		(Hexavalent C) 7196A	1	12/18/2014 1341	BLB		63430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Hexavalent Chromium	18540-29-9	7196A	ND		0.020	0.0081	mg/L	1
Hexavalent Chromium - Dissolved	18540-29-9	7196A	ND		0.020	0.0081	mg/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-004			
Description: HA01MW14(121614)				Matrix: Aqueous			
Date Sampled: 12/16/2014 1537							
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/21/2014 2029	JJG		63640

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.	Laboratory ID: PL18008-004
Description: HA01MW14(121614)	Matrix: Aqueous
Date Sampled: 12/16/2014 1537	
Date Received: 12/18/2014	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		107	70-130

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.	Laboratory ID: PL18008-004
Description: HA01MW14(121614)	Matrix: Aqueous
Date Sampled: 12/16/2014 1537	
Date Received: 12/18/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	12/26/2014 1945	MEM	12/23/2014 1200	63824

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		0.025	0.0017	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	0.0063	BJ	0.025	0.0011	ug/L	1
alpha-BHC	319-84-6	8081B	ND		0.025	0.0010	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.025	0.0039	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.025	0.0011	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.025	0.0013	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.025	0.0015	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.025	0.0010	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.025	0.011	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.025	0.0020	ug/L	1
Dieldrin	60-57-1	8081B	ND		0.025	0.0010	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.025	0.0022	ug/L	1
Endosulfan II	33213-65-9	8081B	ND		0.025	0.0015	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.025	0.0011	ug/L	1
Endrin	72-20-8	8081B	ND		0.025	0.0010	ug/L	1
Endrin aldehyde	7421-93-4	8081B	ND		0.025	0.0019	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.025	0.0012	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.025	0.013	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.025	0.0020	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.10	0.0020	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.25	0.11	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
Decachlorobiphenyl		15	10-122					
Tetrachloro-m-xylene		62	46-119					

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Dissolved RCRA Metals

Client: ARCADIS U.S., Inc.	Laboratory ID: PL18008-004
Description: HA01MW14(121614)	Matrix: Aqueous
Date Sampled: 12/16/2014 1537	
Date Received: 12/18/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/29/2014 1757	HKB	12/29/2014 1445	64180
1	3005A	6010C	1	12/30/2014 1154	ECS	12/23/2014 1605	63838

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Dissolved Arsenic	7440-38-2	6010C	ND		0.010	0.0040	mg/L	1
Dissolved Barium	7440-39-3	6010C	0.074		0.025	0.0075	mg/L	1
Dissolved Cadmium	7440-43-9	6010C	ND		0.0020	0.00060	mg/L	1
Dissolved Chromium	7440-47-3	6010C	0.0062		0.0050	0.0021	mg/L	1
Dissolved Lead	7439-92-1	6010C	0.0072	J	0.010	0.0019	mg/L	1
Dissolved Mercury	7439-97-6	7470A	ND		0.00010	0.000015	mg/L	1
Dissolved Selenium	7782-49-2	6010C	ND		0.010	0.0026	mg/L	1
Dissolved Silver	7440-22-4	6010C	ND		0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

RCRA Metals

Client: ARCADIS U.S., Inc.	Laboratory ID: PL18008-004
Description: HA01MW14(121614)	Matrix: Aqueous
Date Sampled: 12/16/2014 1537	
Date Received: 12/18/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	12/30/2014 1540	ECS	12/23/2014 1605	63838
1		7470A	1	12/29/2014 1755	HKB	12/29/2014 1445	64180
2	3005A	6010C	1	01/02/2015 1139	ECS	12/23/2014 1605	63838

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.010	0.0040	mg/L	1
Barium	7440-39-3	6010C	0.095		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010C	0.010		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010C	0.012		0.010	0.0019	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	0.000015	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	0.0026	mg/L	1
Silver	7440-22-4	6010C	ND		0.0050	0.00040	mg/L	2

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-005			
Description: HA01HMW04(121614)				Matrix: Aqueous			
Date Sampled: 12/16/2014 1006							
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/21/2014 2052	JJG		63640

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.	Laboratory ID: PL18008-005
Description: HA01HMW04(121614)	Matrix: Aqueous
Date Sampled: 12/16/2014 1006	
Date Received: 12/18/2014	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		109	70-130

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-006			
Description: HA01MW17(121614)				Matrix: Aqueous			
Date Sampled: 12/16/2014 1106							
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/21/2014 2117	JJG		63640

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.	Laboratory ID: PL18008-006
Description: HA01MW17(121614)	Matrix: Aqueous
Date Sampled: 12/16/2014 1106	
Date Received: 12/18/2014	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		110	70-130

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-007			
Description: HA01HMW11(121614)				Matrix: Aqueous			
Date Sampled: 12/16/2014 1406							
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/22/2014 1245	DCS		63707

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	56		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	2.4	J	10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	0.57	J	1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	0.16	J	1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	0.20	J	1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.	Laboratory ID: PL18008-007
Description: HA01HMW11(121614)	Matrix: Aqueous
Date Sampled: 12/16/2014 1406	
Date Received: 12/18/2014	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		108	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-008			
Description: HA01HMW06(121714)				Matrix: Aqueous			
Date Sampled: 12/16/2014 1452							
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/22/2014 1307	DCS		63707

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	0.87	J	1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	0.33	J	1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	0.39	J	1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	0.34	J	1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.	Laboratory ID: PL18008-008
Description: HA01HMW06(121714)	Matrix: Aqueous
Date Sampled: 12/16/2014 1452	
Date Received: 12/18/2014	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		106	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-008

Description: HA01HMW06(121714)

Matrix: Aqueous

Date Sampled: 12/16/2014 1452

Date Received: 12/18/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	12/31/2014 1603	DRB1	12/22/2014 1616	63730

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		1.0	0.090	ug/L	1
Acenaphthylene	208-96-8	8270D	ND		1.0	0.16	ug/L	1
Anthracene	120-12-7	8270D	ND		1.0	0.13	ug/L	1
Benzo(a)anthracene	56-55-3	8270D	ND		1.0	0.15	ug/L	1
Benzo(a)pyrene	50-32-8	8270D	ND		1.0	0.16	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		1.0	0.20	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		1.0	0.23	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		1.0	0.12	ug/L	1
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		1.0	0.12	ug/L	1
Butyl benzyl phthalate	85-68-7	8270D	ND		5.0	1.7	ug/L	1
Carbazole	86-74-8	8270D	ND		1.0	0.25	ug/L	1
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		1.0	0.22	ug/L	1
4-Chloroaniline	106-47-8	8270D	ND		1.0	0.13	ug/L	1
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		1.0	0.13	ug/L	1
bis(2-Chloroisopropyl)ether	108-60-1	8270D	ND		1.0	0.080	ug/L	1
2-Chloronaphthalene	91-58-7	8270D	ND		1.0	0.12	ug/L	1
2-Chlorophenol	95-57-8	8270D	ND		1.0	0.13	ug/L	1
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		1.0	0.11	ug/L	1
Chrysene	218-01-9	8270D	ND		1.0	0.12	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		1.0	0.13	ug/L	1
Dibenzofuran	132-64-9	8270D	ND		1.0	0.16	ug/L	1
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		5.0	0.81	ug/L	1
2,4-Dichlorophenol	120-83-2	8270D	ND		1.0	0.15	ug/L	1
Diethylphthalate	84-66-2	8270D	ND		5.0	1.7	ug/L	1
Dimethyl phthalate	131-11-3	8270D	ND		5.0	1.7	ug/L	1
2,4-Dimethylphenol	105-67-9	8270D	ND		1.0	0.31	ug/L	1
Di-n-butyl phthalate	84-74-2	8270D	ND		5.0	1.7	ug/L	1
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		5.0	1.5	ug/L	1
2,4-Dinitrophenol	51-28-5	8270D	ND		5.0	0.25	ug/L	1
2,4-Dinitrotoluene	121-14-2	8270D	ND		2.0	0.45	ug/L	1
2,6-Dinitrotoluene	606-20-2	8270D	ND		2.0	0.40	ug/L	1
Di-n-octylphthalate	117-84-0	8270D	ND		5.0	1.7	ug/L	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		5.0	1.7	ug/L	1
Fluoranthene	206-44-0	8270D	ND		1.0	0.21	ug/L	1
Fluorene	86-73-7	8270D	ND		1.0	0.10	ug/L	1
Hexachlorobenzene	118-74-1	8270D	ND		1.0	0.21	ug/L	1
Hexachlorobutadiene	87-68-3	8270D	ND		1.0	0.090	ug/L	1
Hexachlorocyclopentadiene	77-47-4	8270D	ND		5.0	0.23	ug/L	1
Hexachloroethane	67-72-1	8270D	ND		1.0	0.11	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		1.0	0.23	ug/L	1
Isophorone	78-59-1	8270D	ND		1.0	0.080	ug/L	1
2-Methylnaphthalene	91-57-6	8270D	ND		1.0	0.080	ug/L	1
2-Methylphenol	95-48-7	8270D	ND		1.0	0.17	ug/L	1
3 & 4-Methylphenol	106-44-5	8270D	ND		2.0	0.57	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 33 of 202

Level 1 Report v2.1

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-008

Description: HA01HMW06(121714)

Matrix: Aqueous

Date Sampled: 12/16/2014 1452

Date Received: 12/18/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	12/31/2014 1603	DRB1	12/22/2014 1616	63730

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Naphthalene	91-20-3	8270D	ND		1.0	0.070	ug/L	1
2-Nitroaniline	88-74-4	8270D	ND		2.0	0.55	ug/L	1
3-Nitroaniline	99-09-2	8270D	ND		2.0	0.77	ug/L	1
4-Nitroaniline	100-01-6	8270D	ND		2.0	0.39	ug/L	1
Nitrobenzene	98-95-3	8270D	ND		1.0	0.10	ug/L	1
2-Nitrophenol	88-75-5	8270D	ND		2.0	0.27	ug/L	1
4-Nitrophenol	100-02-7	8270D	ND		5.0	0.64	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		1.0	0.080	ug/L	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		1.0	0.38	ug/L	1
Pentachlorophenol	87-86-5	8270D	ND		5.0	0.54	ug/L	1
Phenanthrene	85-01-8	8270D	ND		1.0	0.18	ug/L	1
Phenol	108-95-2	8270D	ND		1.0	0.11	ug/L	1
Pyrene	129-00-0	8270D	ND		1.0	0.16	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		1.0	0.18	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		1.0	0.22	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
2-Fluorobiphenyl		93	37-129					
2-Fluorophenol		86	24-127					
Nitrobenzene-d5		92	38-127					
Phenol-d5		83	28-128					
Terphenyl-d14		56	10-148					
2,4,6-Tribromophenol		103	41-144					

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 34 of 202

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.	Laboratory ID: PL18008-009
Description: HA01MW14D(121714)	Matrix: Aqueous
Date Sampled: 12/17/2014 1151	
Date Received: 12/18/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/22/2014 1329	DCS		63707

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	0.35	J	1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.	Laboratory ID: PL18008-009
Description: HA01MW14D(121714)	Matrix: Aqueous
Date Sampled: 12/17/2014 1151	
Date Received: 12/18/2014	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Inorganic non-metals

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-010			
Description: D2(121614)				Matrix: Aqueous			
Date Sampled: 12/16/2014 1201							
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Hexavalent C) 7196A	1	12/18/2014 1341	BLB		63424
1		(Hexavalent C) 7196A	1	12/18/2014 1341	BLB		63430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Hexavalent Chromium	18540-29-9	7196A	ND		0.020	0.0081	mg/L	1
Hexavalent Chromium - Dissolved	18540-29-9	7196A	ND		0.020	0.0081	mg/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-010			
Description: D2(121614)				Matrix: Aqueous			
Date Sampled: 12/16/2014 1201							
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/22/2014 1350	DCS		63707

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	0.36	J	1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.	Laboratory ID: PL18008-010
Description: D2(121614)	Matrix: Aqueous
Date Sampled: 12/16/2014 1201	
Date Received: 12/18/2014	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		108	70-130
Bromofluorobenzene		108	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-010			
Description: D2(121614)				Matrix: Aqueous			
Date Sampled: 12/16/2014 1201							
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	12/26/2014 1959	MEM	12/23/2014 1200	63824

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		0.025	0.0017	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	0.0083	BJP	0.025	0.0011	ug/L	1
alpha-BHC	319-84-6	8081B	0.0010	BJP	0.025	0.0010	ug/L	1
beta-BHC	319-85-7	8081B	0.0046	J	0.025	0.0039	ug/L	1
delta-BHC	319-86-8	8081B	0.0026	BJP	0.025	0.0011	ug/L	1
alpha-Chlordane	5103-71-9	8081B	0.0018	JP	0.025	0.0013	ug/L	1
gamma-Chlordane	5103-74-2	8081B	0.0034	JP	0.025	0.0015	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.025	0.0010	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.025	0.011	ug/L	1
4,4'-DDT	50-29-3	8081B	0.0070	JP	0.025	0.0020	ug/L	1
Dieldrin	60-57-1	8081B	ND		0.025	0.0010	ug/L	1
Endosulfan I	959-98-8	8081B	0.0023	JP	0.025	0.0022	ug/L	1
Endosulfan II	33213-65-9	8081B	0.0049	JP	0.025	0.0015	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.025	0.0011	ug/L	1
Endrin	72-20-8	8081B	ND		0.025	0.0010	ug/L	1
Endrin aldehyde	7421-93-4	8081B	ND		0.025	0.0019	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.025	0.0012	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.025	0.013	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.025	0.0020	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.10	0.0020	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.25	0.11	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		17	10-122
Tetrachloro-m-xylene	N	43	46-119

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Dissolved RCRA Metals

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-010			
Description: D2(121614)				Matrix: Aqueous			
Date Sampled: 12/16/2014 1201							
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/29/2014 1801	HKB	12/29/2014 1445	64180
1	3005A	6010C	1	12/30/2014 1214	ECS	12/23/2014 1605	63838

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Dissolved Arsenic	7440-38-2	6010C	ND		0.010	0.0040	mg/L	1
Dissolved Barium	7440-39-3	6010C	0.076		0.025	0.0075	mg/L	1
Dissolved Cadmium	7440-43-9	6010C	ND		0.0020	0.00060	mg/L	1
Dissolved Chromium	7440-47-3	6010C	0.0066		0.0050	0.0021	mg/L	1
Dissolved Lead	7439-92-1	6010C	0.0067	J	0.010	0.0019	mg/L	1
Dissolved Mercury	7439-97-6	7470A	ND		0.00010	0.000015	mg/L	1
Dissolved Selenium	7782-49-2	6010C	ND		0.010	0.0026	mg/L	1
Dissolved Silver	7440-22-4	6010C	ND		0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

RCRA Metals

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-010

Description: D2(121614)

Matrix: Aqueous

Date Sampled: 12/16/2014 1201

Date Received: 12/18/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/29/2014 1759	HKB	12/29/2014 1445	64180
1	3005A	6010C	1	12/30/2014 1158	ECS	12/23/2014 1605	63838

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.010	0.0040	mg/L	1
Barium	7440-39-3	6010C	0.12		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010C	0.25		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010C	0.023		0.010	0.0019	mg/L	1
Mercury	7439-97-6	7470A	0.000027	J	0.00010	0.000015	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	0.0026	mg/L	1
Silver	7440-22-4	6010C	ND		0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 42 of 202

Level 1 Report v2.1

Inorganic non-metals

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-012			
Description: HA01MW15(121714)				Matrix: Aqueous			
Date Sampled: 12/17/2014 1015							
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Hexavalent C) 7196A	1	12/18/2014 1341	BLB		63424
1		(Hexavalent C) 7196A	1	12/18/2014 1341	BLB		63430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Hexavalent Chromium	18540-29-9	7196A	ND		0.020	0.0081	mg/L	1
Hexavalent Chromium - Dissolved	18540-29-9	7196A	ND		0.020	0.0081	mg/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-012			
Description: HA01MW15(121714)				Matrix: Aqueous			
Date Sampled: 12/17/2014 1015							
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/24/2014 1621	PMM2		63929

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	2.6		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.	Laboratory ID: PL18008-012
Description: HA01MW15(121714)	Matrix: Aqueous
Date Sampled: 12/17/2014 1015	
Date Received: 12/18/2014	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Dissolved RCRA Metals

Client: ARCADIS U.S., Inc.	Laboratory ID: PL18008-012
Description: HA01MW15(121714)	Matrix: Aqueous
Date Sampled: 12/17/2014 1015	
Date Received: 12/18/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/29/2014 1812	HKB	12/29/2014 1445	64180
1	3005A	6010C	1	12/30/2014 1236	ECS	12/23/2014 1605	63838

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Dissolved Arsenic	7440-38-2	6010C	ND		0.010	0.0040	mg/L	1
Dissolved Barium	7440-39-3	6010C	0.036		0.025	0.0075	mg/L	1
Dissolved Cadmium	7440-43-9	6010C	ND		0.0020	0.00060	mg/L	1
Dissolved Chromium	7440-47-3	6010C	ND		0.0050	0.0021	mg/L	1
Dissolved Lead	7439-92-1	6010C	0.0041	J	0.010	0.0019	mg/L	1
Dissolved Mercury	7439-97-6	7470A	ND		0.00010	0.000015	mg/L	1
Dissolved Selenium	7782-49-2	6010C	ND		0.010	0.0026	mg/L	1
Dissolved Silver	7440-22-4	6010C	ND		0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

RCRA Metals

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-012

Description: HA01MW15(121714)

Matrix: Aqueous

Date Sampled: 12/17/2014 1015

Date Received: 12/18/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/29/2014 1803	HKB	12/29/2014 1445	64180
1	3005A	6010C	1	12/30/2014 1219	ECS	12/23/2014 1605	63838

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.010	0.0040	mg/L	1
Barium	7440-39-3	6010C	0.040		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010C	ND		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010C	0.0061	J	0.010	0.0019	mg/L	1
Mercury	7439-97-6	7470A	0.000017	J	0.00010	0.000015	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	0.0026	mg/L	1
Silver	7440-22-4	6010C	0.00040	J	0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 47 of 202

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-013			
Description: HA01HMW24(121714)				Matrix: Aqueous			
Date Sampled: 12/17/2014 0942							
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/22/2014 1412	DCS		63707

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	6.1		1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	0.32	J	1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	5.6		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	0.35	J	1.0	0.33	ug/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.	Laboratory ID: PL18008-013
Description: HA01HMW24(121714)	Matrix: Aqueous
Date Sampled: 12/17/2014 0942	
Date Received: 12/18/2014	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	70-130
Bromofluorobenzene		108	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-013

Description: HA01HMW24(121714)

Matrix: Aqueous

Date Sampled: 12/17/2014 0942

Date Received: 12/18/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	10	12/30/2014 2012	DRB1	12/24/2014 0938	63919

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		10	0.90	ug/L	1
Acenaphthylene	208-96-8	8270D	ND		10	1.6	ug/L	1
Anthracene	120-12-7	8270D	ND		10	1.3	ug/L	1
Benzo(a)anthracene	56-55-3	8270D	ND		10	1.5	ug/L	1
Benzo(a)pyrene	50-32-8	8270D	ND		10	1.6	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		10	2.0	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		10	2.3	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		10	1.2	ug/L	1
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		10	1.2	ug/L	1
Butyl benzyl phthalate	85-68-7	8270D	ND		50	17	ug/L	1
Carbazole	86-74-8	8270D	ND		10	2.5	ug/L	1
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		10	2.2	ug/L	1
4-Chloroaniline	106-47-8	8270D	ND		10	1.3	ug/L	1
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		10	1.3	ug/L	1
bis(2-Chloroisopropyl)ether	108-60-1	8270D	ND		10	0.80	ug/L	1
2-Chloronaphthalene	91-58-7	8270D	ND		10	1.2	ug/L	1
2-Chlorophenol	95-57-8	8270D	ND		10	1.3	ug/L	1
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		10	1.1	ug/L	1
Chrysene	218-01-9	8270D	ND		10	1.2	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		10	1.3	ug/L	1
Dibenzofuran	132-64-9	8270D	ND		10	1.6	ug/L	1
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		50	8.1	ug/L	1
2,4-Dichlorophenol	120-83-2	8270D	ND		10	1.5	ug/L	1
Diethylphthalate	84-66-2	8270D	ND		50	17	ug/L	1
Dimethyl phthalate	131-11-3	8270D	ND		50	17	ug/L	1
2,4-Dimethylphenol	105-67-9	8270D	ND		10	3.1	ug/L	1
Di-n-butyl phthalate	84-74-2	8270D	ND		50	17	ug/L	1
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		50	15	ug/L	1
2,4-Dinitrophenol	51-28-5	8270D	ND		50	2.5	ug/L	1
2,4-Dinitrotoluene	121-14-2	8270D	ND		20	4.5	ug/L	1
2,6-Dinitrotoluene	606-20-2	8270D	ND		20	4.0	ug/L	1
Di-n-octylphthalate	117-84-0	8270D	ND		50	17	ug/L	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		50	17	ug/L	1
Fluoranthene	206-44-0	8270D	ND		10	2.1	ug/L	1
Fluorene	86-73-7	8270D	ND		10	1.0	ug/L	1
Hexachlorobenzene	118-74-1	8270D	ND		10	2.1	ug/L	1
Hexachlorobutadiene	87-68-3	8270D	ND		10	0.90	ug/L	1
Hexachlorocyclopentadiene	77-47-4	8270D	ND		50	2.3	ug/L	1
Hexachloroethane	67-72-1	8270D	ND		10	1.1	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		10	2.3	ug/L	1
Isophorone	78-59-1	8270D	ND		10	0.80	ug/L	1
2-Methylnaphthalene	91-57-6	8270D	ND		10	0.80	ug/L	1
2-Methylphenol	95-48-7	8270D	ND		10	1.7	ug/L	1
3 & 4-Methylphenol	106-44-5	8270D	ND		20	5.7	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 50 of 202

Level 1 Report v2.1

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-013

Description: HA01HMW24(121714)

Matrix: Aqueous

Date Sampled: 12/17/2014 0942

Date Received: 12/18/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	10	12/30/2014 2012	DRB1	12/24/2014 0938	63919

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Naphthalene	91-20-3	8270D	ND		10	0.70	ug/L	1
2-Nitroaniline	88-74-4	8270D	ND		20	5.5	ug/L	1
3-Nitroaniline	99-09-2	8270D	ND		20	7.7	ug/L	1
4-Nitroaniline	100-01-6	8270D	ND		20	3.9	ug/L	1
Nitrobenzene	98-95-3	8270D	ND		10	1.0	ug/L	1
2-Nitrophenol	88-75-5	8270D	ND		20	2.7	ug/L	1
4-Nitrophenol	100-02-7	8270D	ND		50	6.4	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		10	0.80	ug/L	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		10	3.8	ug/L	1
Pentachlorophenol	87-86-5	8270D	ND		50	5.4	ug/L	1
Phenanthrene	85-01-8	8270D	ND		10	1.8	ug/L	1
Phenol	108-95-2	8270D	ND		10	1.1	ug/L	1
Pyrene	129-00-0	8270D	ND		10	1.6	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		10	1.8	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		10	2.2	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		67	37-129
2-Fluorophenol		76	24-127
Nitrobenzene-d5	N	186	38-127
Phenol-d5		73	28-128
Terphenyl-d14		61	10-148
2,4,6-Tribromophenol		82	41-144

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 51 of 202

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-014			
Description: HA01HMW23(121714)				Matrix: Aqueous			
Date Sampled: 12/17/2014 1046							
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/22/2014 1433	DCS		63707

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	1.1		1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	0.32	J	1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	2.9		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	0.46	J	1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	3.0		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-014

Description: HA01HMW23(121714)

Matrix: Aqueous

Date Sampled: 12/17/2014 1046

Date Received: 12/18/2014

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		111	70-130
Bromofluorobenzene		112	70-130
Toluene-d8		108	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 53 of 202

Level 1 Report v2.1

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-014

Description: HA01HMW23(121714)

Matrix: Aqueous

Date Sampled: 12/17/2014 1046

Date Received: 12/18/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	3520C	8270D	10	12/30/2014 2035	DRB1	12/24/2014 0938	63919		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acenaphthene	83-32-9	8270D	ND		10	0.90	ug/L	1	
Acenaphthylene	208-96-8	8270D	ND		10	1.6	ug/L	1	
Anthracene	120-12-7	8270D	ND		10	1.3	ug/L	1	
Benzo(a)anthracene	56-55-3	8270D	ND		10	1.5	ug/L	1	
Benzo(a)pyrene	50-32-8	8270D	ND		10	1.6	ug/L	1	
Benzo(b)fluoranthene	205-99-2	8270D	ND		10	2.0	ug/L	1	
Benzo(g,h,i)perylene	191-24-2	8270D	ND		10	2.3	ug/L	1	
Benzo(k)fluoranthene	207-08-9	8270D	ND		10	1.2	ug/L	1	
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		10	1.2	ug/L	1	
Butyl benzyl phthalate	85-68-7	8270D	ND		50	17	ug/L	1	
Carbazole	86-74-8	8270D	ND		10	2.5	ug/L	1	
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		10	2.2	ug/L	1	
4-Chloroaniline	106-47-8	8270D	ND		10	1.3	ug/L	1	
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		10	1.3	ug/L	1	
bis(2-Chloroisopropyl)ether	108-60-1	8270D	ND		10	0.80	ug/L	1	
2-Chloronaphthalene	91-58-7	8270D	ND		10	1.2	ug/L	1	
2-Chlorophenol	95-57-8	8270D	ND		10	1.3	ug/L	1	
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		10	1.1	ug/L	1	
Chrysene	218-01-9	8270D	ND		10	1.2	ug/L	1	
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		10	1.3	ug/L	1	
Dibenzofuran	132-64-9	8270D	ND		10	1.6	ug/L	1	
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		50	8.1	ug/L	1	
2,4-Dichlorophenol	120-83-2	8270D	ND		10	1.5	ug/L	1	
Diethylphthalate	84-66-2	8270D	ND		50	17	ug/L	1	
Dimethyl phthalate	131-11-3	8270D	ND		50	17	ug/L	1	
2,4-Dimethylphenol	105-67-9	8270D	ND		10	3.1	ug/L	1	
Di-n-butyl phthalate	84-74-2	8270D	ND		50	17	ug/L	1	
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		50	15	ug/L	1	
2,4-Dinitrophenol	51-28-5	8270D	ND		50	2.5	ug/L	1	
2,4-Dinitrotoluene	121-14-2	8270D	ND		20	4.5	ug/L	1	
2,6-Dinitrotoluene	606-20-2	8270D	ND		20	4.0	ug/L	1	
Di-n-octylphthalate	117-84-0	8270D	ND		50	17	ug/L	1	
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		50	17	ug/L	1	
Fluoranthene	206-44-0	8270D	ND		10	2.1	ug/L	1	
Fluorene	86-73-7	8270D	ND		10	1.0	ug/L	1	
Hexachlorobenzene	118-74-1	8270D	ND		10	2.1	ug/L	1	
Hexachlorobutadiene	87-68-3	8270D	ND		10	0.90	ug/L	1	
Hexachlorocyclopentadiene	77-47-4	8270D	ND		50	2.3	ug/L	1	
Hexachloroethane	67-72-1	8270D	ND		10	1.1	ug/L	1	
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		10	2.3	ug/L	1	
Isophorone	78-59-1	8270D	ND		10	0.80	ug/L	1	
2-Methylnaphthalene	91-57-6	8270D	ND		10	0.80	ug/L	1	
2-Methylphenol	95-48-7	8270D	ND		10	1.7	ug/L	1	
3 & 4-Methylphenol	106-44-5	8270D	ND		20	5.7	ug/L	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 54 of 202

Level 1 Report v2.1

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.	Laboratory ID: PL18008-014
Description: HA01HMW23(121714)	Matrix: Aqueous
Date Sampled: 12/17/2014 1046	
Date Received: 12/18/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	10	12/30/2014 2035	DRB1	12/24/2014 0938	63919

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Naphthalene	91-20-3	8270D	9.0	J	10	0.70	ug/L	1
2-Nitroaniline	88-74-4	8270D	ND		20	5.5	ug/L	1
3-Nitroaniline	99-09-2	8270D	ND		20	7.7	ug/L	1
4-Nitroaniline	100-01-6	8270D	ND		20	3.9	ug/L	1
Nitrobenzene	98-95-3	8270D	ND		10	1.0	ug/L	1
2-Nitrophenol	88-75-5	8270D	ND		20	2.7	ug/L	1
4-Nitrophenol	100-02-7	8270D	ND		50	6.4	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		10	0.80	ug/L	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		10	3.8	ug/L	1
Pentachlorophenol	87-86-5	8270D	ND		50	5.4	ug/L	1
Phenanthrene	85-01-8	8270D	ND		10	1.8	ug/L	1
Phenol	108-95-2	8270D	ND		10	1.1	ug/L	1
Pyrene	129-00-0	8270D	ND		10	1.6	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		10	1.8	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		10	2.2	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		71	37-129
2-Fluorophenol		77	24-127
Nitrobenzene-d5		75	38-127
Phenol-d5		75	28-128
Terphenyl-d14		65	10-148
2,4,6-Tribromophenol		77	41-144

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-015			
Description: HA01HWMW10(121714)				Matrix: Aqueous			
Date Sampled: 12/17/2014 1156							
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/22/2014 1455	DCS		63707

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	9.3	J	20	6.7	ug/L	1
Benzene	71-43-2	8260B	19		1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	0.33	J	1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	0.38	J	2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	0.54	J	1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	0.42	J	1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	0.35	J	1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	0.20	J	1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	0.23	J	1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	0.62	J	1.0	0.33	ug/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.	Laboratory ID: PL18008-015
Description: HA01HMW10(121714)	Matrix: Aqueous
Date Sampled: 12/17/2014 1156	
Date Received: 12/18/2014	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	70-130
Bromofluorobenzene		108	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Inorganic non-metals

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-016			
Description: HA01SW03(121714)				Matrix: Aqueous			
Date Sampled: 12/17/2014 1415							
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1		(Hexavalent C) 7196A	1	12/18/2014 1324	BLB		63424		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Hexavalent Chromium	18540-29-9	7196A	ND		0.020	0.0081	mg/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-016			
Description: HA01SW03(121714)				Matrix: Aqueous			
Date Sampled: 12/17/2014 1415							
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/22/2014 1517	DCS		63707		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	0.32	J	1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-016

Description: HA01SW03(121714)

Matrix: Aqueous

Date Sampled: 12/17/2014 1415

Date Received: 12/18/2014

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 60 of 202

Level 1 Report v2.1

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-016

Description: HA01SW03(121714)

Matrix: Aqueous

Date Sampled: 12/17/2014 1415

Date Received: 12/18/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	12/30/2014 1626	DRB1	12/24/2014 0938	63919

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		1.0	0.090	ug/L	1
Acenaphthylene	208-96-8	8270D	ND		1.0	0.16	ug/L	1
Anthracene	120-12-7	8270D	ND		1.0	0.13	ug/L	1
Benzo(a)anthracene	56-55-3	8270D	ND		1.0	0.15	ug/L	1
Benzo(a)pyrene	50-32-8	8270D	ND		1.0	0.16	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		1.0	0.20	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		1.0	0.23	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		1.0	0.12	ug/L	1
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		1.0	0.12	ug/L	1
Butyl benzyl phthalate	85-68-7	8270D	ND		5.0	1.7	ug/L	1
Carbazole	86-74-8	8270D	ND		1.0	0.25	ug/L	1
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		1.0	0.22	ug/L	1
4-Chloroaniline	106-47-8	8270D	ND		1.0	0.13	ug/L	1
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		1.0	0.13	ug/L	1
bis(2-Chloroisopropyl)ether	108-60-1	8270D	ND		1.0	0.080	ug/L	1
2-Chloronaphthalene	91-58-7	8270D	ND		1.0	0.12	ug/L	1
2-Chlorophenol	95-57-8	8270D	ND		1.0	0.13	ug/L	1
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		1.0	0.11	ug/L	1
Chrysene	218-01-9	8270D	ND		1.0	0.12	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		1.0	0.13	ug/L	1
Dibenzofuran	132-64-9	8270D	ND		1.0	0.16	ug/L	1
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		5.0	0.81	ug/L	1
2,4-Dichlorophenol	120-83-2	8270D	ND		1.0	0.15	ug/L	1
Diethylphthalate	84-66-2	8270D	ND		5.0	1.7	ug/L	1
Dimethyl phthalate	131-11-3	8270D	ND		5.0	1.7	ug/L	1
2,4-Dimethylphenol	105-67-9	8270D	ND		1.0	0.31	ug/L	1
Di-n-butyl phthalate	84-74-2	8270D	ND		5.0	1.7	ug/L	1
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		5.0	1.5	ug/L	1
2,4-Dinitrophenol	51-28-5	8270D	ND		5.0	0.25	ug/L	1
2,4-Dinitrotoluene	121-14-2	8270D	ND		2.0	0.45	ug/L	1
2,6-Dinitrotoluene	606-20-2	8270D	ND		2.0	0.40	ug/L	1
Di-n-octylphthalate	117-84-0	8270D	ND		5.0	1.7	ug/L	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		5.0	1.7	ug/L	1
Fluoranthene	206-44-0	8270D	ND		1.0	0.21	ug/L	1
Fluorene	86-73-7	8270D	ND		1.0	0.10	ug/L	1
Hexachlorobenzene	118-74-1	8270D	ND		1.0	0.21	ug/L	1
Hexachlorobutadiene	87-68-3	8270D	ND		1.0	0.090	ug/L	1
Hexachlorocyclopentadiene	77-47-4	8270D	ND		5.0	0.23	ug/L	1
Hexachloroethane	67-72-1	8270D	ND		1.0	0.11	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		1.0	0.23	ug/L	1
Isophorone	78-59-1	8270D	ND		1.0	0.080	ug/L	1
2-Methylnaphthalene	91-57-6	8270D	ND		1.0	0.080	ug/L	1
2-Methylphenol	95-48-7	8270D	ND		1.0	0.17	ug/L	1
3 & 4-Methylphenol	106-44-5	8270D	ND		2.0	0.57	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 61 of 202

Level 1 Report v2.1

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-016

Description: HA01SW03(121714)

Matrix: Aqueous

Date Sampled: 12/17/2014 1415

Date Received: 12/18/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	12/30/2014 1626	DRB1	12/24/2014 0938	63919

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Naphthalene	91-20-3	8270D	ND		1.0	0.070	ug/L	1
2-Nitroaniline	88-74-4	8270D	ND		2.0	0.55	ug/L	1
3-Nitroaniline	99-09-2	8270D	ND		2.0	0.77	ug/L	1
4-Nitroaniline	100-01-6	8270D	ND		2.0	0.39	ug/L	1
Nitrobenzene	98-95-3	8270D	ND		1.0	0.10	ug/L	1
2-Nitrophenol	88-75-5	8270D	ND		2.0	0.27	ug/L	1
4-Nitrophenol	100-02-7	8270D	ND		5.0	0.64	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		1.0	0.080	ug/L	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		1.0	0.38	ug/L	1
Pentachlorophenol	87-86-5	8270D	ND		5.0	0.54	ug/L	1
Phenanthrene	85-01-8	8270D	ND		1.0	0.18	ug/L	1
Phenol	108-95-2	8270D	ND		1.0	0.11	ug/L	1
Pyrene	129-00-0	8270D	ND		1.0	0.16	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		1.0	0.18	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		1.0	0.22	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
2-Fluorobiphenyl		84	37-129					
2-Fluorophenol		85	24-127					
Nitrobenzene-d5		85	38-127					
Phenol-d5		86	28-128					
Terphenyl-d14		82	10-148					
2,4,6-Tribromophenol		74	41-144					

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 62 of 202

Level 1 Report v2.1

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.	Laboratory ID: PL18008-016
Description: HA01SW03(121714)	Matrix: Aqueous
Date Sampled: 12/17/2014 1415	
Date Received: 12/18/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	12/26/2014 2014	MEM	12/23/2014 1200	63824

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		0.025	0.0017	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	0.0012	BJP	0.025	0.0011	ug/L	1
alpha-BHC	319-84-6	8081B	ND		0.025	0.0010	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.025	0.0039	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.025	0.0011	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.025	0.0013	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.025	0.0015	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.025	0.0010	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.025	0.011	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.025	0.0020	ug/L	1
Dieldrin	60-57-1	8081B	ND		0.025	0.0010	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.025	0.0022	ug/L	1
Endosulfan II	33213-65-9	8081B	ND		0.025	0.0015	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.025	0.0011	ug/L	1
Endrin	72-20-8	8081B	ND		0.025	0.0010	ug/L	1
Endrin aldehyde	7421-93-4	8081B	ND		0.025	0.0019	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.025	0.0012	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.025	0.013	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.025	0.0020	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.10	0.0020	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.25	0.11	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
Decachlorobiphenyl		58	10-122					
Tetrachloro-m-xylene		66	46-119					

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

ICP-MS

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-016

Description: HA01SW03(121714)

Matrix: Aqueous

Date Sampled: 12/17/2014 1415

Date Received: 12/18/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	01/09/2015 0218	BNW	01/08/2015 1415	64841
2	3005A	6020A	1	01/09/2015 1754	CDF	01/08/2015 1415	64841

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6020A	0.46	J	1.0	0.26	ug/L	1
Barium	7440-39-3	6020A	28	B	5.0	0.045	ug/L	1
Cadmium	7440-43-9	6020A	ND		0.10	0.059	ug/L	1
Chromium	7440-47-3	6020A	ND		5.0	0.35	ug/L	1
Lead	7439-92-1	6020A	0.74	J	1.0	0.047	ug/L	1
Selenium	7782-49-2	6020A	0.80	J	1.0	0.25	ug/L	1
Silver	7440-22-4	6020A	ND		1.0	0.011	ug/L	2

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 64 of 202

Level 1 Report v2.1

CVAA

Client: ARCADIS U.S., Inc.	Laboratory ID: PL18008-016
Description: HA01SW03(121714)	Matrix: Aqueous
Date Sampled: 12/17/2014 1415	
Date Received: 12/18/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/29/2014 1816	HKB	12/29/2014 1445	64180

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND		0.00010	0.000015	mg/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Inorganic non-metals

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-017			
Description: HA01SW02(121714)				Matrix: Aqueous			
Date Sampled: 12/17/2014 1445							
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1		(Hexavalent C) 7196A	1	12/18/2014 1324	BLB		63424		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Hexavalent Chromium	18540-29-9	7196A	ND		0.020	0.0081	mg/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-017			
Description: HA01SW02(121714)				Matrix: Aqueous			
Date Sampled: 12/17/2014 1445							
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/22/2014 1538	DCS		63707

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	0.35	J	1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.	Laboratory ID: PL18008-017
Description: HA01SW02(121714)	Matrix: Aqueous
Date Sampled: 12/17/2014 1445	
Date Received: 12/18/2014	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-017

Description: HA01SW02(121714)

Matrix: Aqueous

Date Sampled: 12/17/2014 1445

Date Received: 12/18/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	3520C	8270D	1	12/30/2014 1738	DRB1	12/24/2014 0938	63919		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acenaphthene	83-32-9	8270D	ND		1.0	0.090	ug/L	1	
Acenaphthylene	208-96-8	8270D	ND		1.0	0.16	ug/L	1	
Anthracene	120-12-7	8270D	ND		1.0	0.13	ug/L	1	
Benzo(a)anthracene	56-55-3	8270D	ND		1.0	0.15	ug/L	1	
Benzo(a)pyrene	50-32-8	8270D	ND		1.0	0.16	ug/L	1	
Benzo(b)fluoranthene	205-99-2	8270D	ND		1.0	0.20	ug/L	1	
Benzo(g,h,i)perylene	191-24-2	8270D	ND		1.0	0.23	ug/L	1	
Benzo(k)fluoranthene	207-08-9	8270D	ND		1.0	0.12	ug/L	1	
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		1.0	0.12	ug/L	1	
Butyl benzyl phthalate	85-68-7	8270D	ND		5.0	1.7	ug/L	1	
Carbazole	86-74-8	8270D	ND		1.0	0.25	ug/L	1	
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		1.0	0.22	ug/L	1	
4-Chloroaniline	106-47-8	8270D	ND		1.0	0.13	ug/L	1	
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		1.0	0.13	ug/L	1	
bis(2-Chloroisopropyl)ether	108-60-1	8270D	ND		1.0	0.080	ug/L	1	
2-Chloronaphthalene	91-58-7	8270D	ND		1.0	0.12	ug/L	1	
2-Chlorophenol	95-57-8	8270D	ND		1.0	0.13	ug/L	1	
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		1.0	0.11	ug/L	1	
Chrysene	218-01-9	8270D	ND		1.0	0.12	ug/L	1	
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		1.0	0.13	ug/L	1	
Dibenzofuran	132-64-9	8270D	ND		1.0	0.16	ug/L	1	
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		5.0	0.81	ug/L	1	
2,4-Dichlorophenol	120-83-2	8270D	ND		1.0	0.15	ug/L	1	
Diethylphthalate	84-66-2	8270D	ND		5.0	1.7	ug/L	1	
Dimethyl phthalate	131-11-3	8270D	ND		5.0	1.7	ug/L	1	
2,4-Dimethylphenol	105-67-9	8270D	ND		1.0	0.31	ug/L	1	
Di-n-butyl phthalate	84-74-2	8270D	ND		5.0	1.7	ug/L	1	
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		5.0	1.5	ug/L	1	
2,4-Dinitrophenol	51-28-5	8270D	ND		5.0	0.25	ug/L	1	
2,4-Dinitrotoluene	121-14-2	8270D	ND		2.0	0.45	ug/L	1	
2,6-Dinitrotoluene	606-20-2	8270D	ND		2.0	0.40	ug/L	1	
Di-n-octylphthalate	117-84-0	8270D	ND		5.0	1.7	ug/L	1	
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		5.0	1.7	ug/L	1	
Fluoranthene	206-44-0	8270D	ND		1.0	0.21	ug/L	1	
Fluorene	86-73-7	8270D	ND		1.0	0.10	ug/L	1	
Hexachlorobenzene	118-74-1	8270D	ND		1.0	0.21	ug/L	1	
Hexachlorobutadiene	87-68-3	8270D	ND		1.0	0.090	ug/L	1	
Hexachlorocyclopentadiene	77-47-4	8270D	ND		5.0	0.23	ug/L	1	
Hexachloroethane	67-72-1	8270D	ND		1.0	0.11	ug/L	1	
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		1.0	0.23	ug/L	1	
Isophorone	78-59-1	8270D	ND		1.0	0.080	ug/L	1	
2-Methylnaphthalene	91-57-6	8270D	ND		1.0	0.080	ug/L	1	
2-Methylphenol	95-48-7	8270D	ND		1.0	0.17	ug/L	1	
3 & 4-Methylphenol	106-44-5	8270D	ND		2.0	0.57	ug/L	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 69 of 202

Level 1 Report v2.1

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-017

Description: HA01SW02(121714)

Matrix: Aqueous

Date Sampled: 12/17/2014 1445

Date Received: 12/18/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	12/30/2014 1738	DRB1	12/24/2014 0938	63919

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Naphthalene	91-20-3	8270D	ND		1.0	0.070	ug/L	1
2-Nitroaniline	88-74-4	8270D	ND		2.0	0.55	ug/L	1
3-Nitroaniline	99-09-2	8270D	ND		2.0	0.77	ug/L	1
4-Nitroaniline	100-01-6	8270D	ND		2.0	0.39	ug/L	1
Nitrobenzene	98-95-3	8270D	ND		1.0	0.10	ug/L	1
2-Nitrophenol	88-75-5	8270D	ND		2.0	0.27	ug/L	1
4-Nitrophenol	100-02-7	8270D	ND		5.0	0.64	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		1.0	0.080	ug/L	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		1.0	0.38	ug/L	1
Pentachlorophenol	87-86-5	8270D	ND		5.0	0.54	ug/L	1
Phenanthrene	85-01-8	8270D	ND		1.0	0.18	ug/L	1
Phenol	108-95-2	8270D	ND		1.0	0.11	ug/L	1
Pyrene	129-00-0	8270D	ND		1.0	0.16	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		1.0	0.18	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		1.0	0.22	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
2-Fluorobiphenyl		68	37-129					
2-Fluorophenol		70	24-127					
Nitrobenzene-d5		73	38-127					
Phenol-d5		68	28-128					
Terphenyl-d14		73	10-148					
2,4,6-Tribromophenol		61	41-144					

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 70 of 202

Level 1 Report v2.1

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.	Laboratory ID: PL18008-017
Description: HA01SW02(121714)	Matrix: Aqueous
Date Sampled: 12/17/2014 1445	
Date Received: 12/18/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	12/26/2014 2029	MEM	12/23/2014 1200	63824

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		0.025	0.0017	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	0.0017	BJP	0.025	0.0011	ug/L	1
alpha-BHC	319-84-6	8081B	ND		0.025	0.0010	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.025	0.0039	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.025	0.0011	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.025	0.0013	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.025	0.0015	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.025	0.0010	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.025	0.011	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.025	0.0020	ug/L	1
Dieldrin	60-57-1	8081B	ND		0.025	0.0010	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.025	0.0022	ug/L	1
Endosulfan II	33213-65-9	8081B	ND		0.025	0.0015	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.025	0.0011	ug/L	1
Endrin	72-20-8	8081B	ND		0.025	0.0010	ug/L	1
Endrin aldehyde	7421-93-4	8081B	ND		0.025	0.0019	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.025	0.0012	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.025	0.013	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.025	0.0020	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.10	0.0020	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.25	0.11	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
Decachlorobiphenyl		54	10-122					
Tetrachloro-m-xylene		66	46-119					

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

ICP-MS

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-017

Description: HA01SW02(121714)

Matrix: Aqueous

Date Sampled: 12/17/2014 1445

Date Received: 12/18/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	01/09/2015 0223	BNW	01/08/2015 1415	64841
2	3005A	6020A	1	01/09/2015 1759	CDF	01/08/2015 1415	64841

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6020A	0.36	J	1.0	0.26	ug/L	1
Barium	7440-39-3	6020A	28	B	5.0	0.045	ug/L	1
Cadmium	7440-43-9	6020A	ND		0.10	0.059	ug/L	1
Chromium	7440-47-3	6020A	ND		5.0	0.35	ug/L	1
Lead	7439-92-1	6020A	0.91	J	1.0	0.047	ug/L	1
Selenium	7782-49-2	6020A	1.5		1.0	0.25	ug/L	1
Silver	7440-22-4	6020A	ND		1.0	0.011	ug/L	2

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 72 of 202

Level 1 Report v2.1

CVAA

Client: ARCADIS U.S., Inc.	Laboratory ID: PL18008-017
Description: HA01SW02(121714)	Matrix: Aqueous
Date Sampled: 12/17/2014 1445	
Date Received: 12/18/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/29/2014 1818	HKB	12/29/2014 1445	64180

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND		0.00010	0.000015	mg/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Inorganic non-metals

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-018			
Description: HA01SW01(121714)				Matrix: Aqueous			
Date Sampled: 12/17/2014 1520							
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1		(Hexavalent C) 7196A	1	12/18/2014 1324	BLB		63424		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Hexavalent Chromium	18540-29-9	7196A	ND		0.020	0.0081	mg/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.	Laboratory ID: PL18008-018
Description: HA01SW01(121714)	Matrix: Aqueous
Date Sampled: 12/17/2014 1520	
Date Received: 12/18/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/22/2014 1601	DCS		63707

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	0.27	J	1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	0.64	J	1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	0.40	J	1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	1.8		1.0	0.33	ug/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.	Laboratory ID: PL18008-018
Description: HA01SW01(121714)	Matrix: Aqueous
Date Sampled: 12/17/2014 1520	
Date Received: 12/18/2014	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		106	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-018

Description: HA01SW01(121714)

Matrix: Aqueous

Date Sampled: 12/17/2014 1520

Date Received: 12/18/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	3520C	8270D	1	12/30/2014 1802	DRB1	12/24/2014 0938	63919		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acenaphthene	83-32-9	8270D	ND		1.0	0.090	ug/L	1	
Acenaphthylene	208-96-8	8270D	ND		1.0	0.16	ug/L	1	
Anthracene	120-12-7	8270D	ND		1.0	0.13	ug/L	1	
Benzo(a)anthracene	56-55-3	8270D	ND		1.0	0.15	ug/L	1	
Benzo(a)pyrene	50-32-8	8270D	ND		1.0	0.16	ug/L	1	
Benzo(b)fluoranthene	205-99-2	8270D	ND		1.0	0.20	ug/L	1	
Benzo(g,h,i)perylene	191-24-2	8270D	ND		1.0	0.23	ug/L	1	
Benzo(k)fluoranthene	207-08-9	8270D	ND		1.0	0.12	ug/L	1	
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		1.0	0.12	ug/L	1	
Butyl benzyl phthalate	85-68-7	8270D	ND		5.0	1.7	ug/L	1	
Carbazole	86-74-8	8270D	ND		1.0	0.25	ug/L	1	
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		1.0	0.22	ug/L	1	
4-Chloroaniline	106-47-8	8270D	ND		1.0	0.13	ug/L	1	
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		1.0	0.13	ug/L	1	
bis(2-Chloroisopropyl)ether	108-60-1	8270D	ND		1.0	0.080	ug/L	1	
2-Chloronaphthalene	91-58-7	8270D	ND		1.0	0.12	ug/L	1	
2-Chlorophenol	95-57-8	8270D	ND		1.0	0.13	ug/L	1	
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		1.0	0.11	ug/L	1	
Chrysene	218-01-9	8270D	ND		1.0	0.12	ug/L	1	
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		1.0	0.13	ug/L	1	
Dibenzofuran	132-64-9	8270D	ND		1.0	0.16	ug/L	1	
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		5.0	0.81	ug/L	1	
2,4-Dichlorophenol	120-83-2	8270D	ND		1.0	0.15	ug/L	1	
Diethylphthalate	84-66-2	8270D	ND		5.0	1.7	ug/L	1	
Dimethyl phthalate	131-11-3	8270D	ND		5.0	1.7	ug/L	1	
2,4-Dimethylphenol	105-67-9	8270D	ND		1.0	0.31	ug/L	1	
Di-n-butyl phthalate	84-74-2	8270D	ND		5.0	1.7	ug/L	1	
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		5.0	1.5	ug/L	1	
2,4-Dinitrophenol	51-28-5	8270D	ND		5.0	0.25	ug/L	1	
2,4-Dinitrotoluene	121-14-2	8270D	ND		2.0	0.45	ug/L	1	
2,6-Dinitrotoluene	606-20-2	8270D	ND		2.0	0.40	ug/L	1	
Di-n-octylphthalate	117-84-0	8270D	ND		5.0	1.7	ug/L	1	
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		5.0	1.7	ug/L	1	
Fluoranthene	206-44-0	8270D	ND		1.0	0.21	ug/L	1	
Fluorene	86-73-7	8270D	ND		1.0	0.10	ug/L	1	
Hexachlorobenzene	118-74-1	8270D	ND		1.0	0.21	ug/L	1	
Hexachlorobutadiene	87-68-3	8270D	ND		1.0	0.090	ug/L	1	
Hexachlorocyclopentadiene	77-47-4	8270D	ND		5.0	0.23	ug/L	1	
Hexachloroethane	67-72-1	8270D	ND		1.0	0.11	ug/L	1	
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		1.0	0.23	ug/L	1	
Isophorone	78-59-1	8270D	ND		1.0	0.080	ug/L	1	
2-Methylnaphthalene	91-57-6	8270D	ND		1.0	0.080	ug/L	1	
2-Methylphenol	95-48-7	8270D	ND		1.0	0.17	ug/L	1	
3 & 4-Methylphenol	106-44-5	8270D	ND		2.0	0.57	ug/L	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 77 of 202

Level 1 Report v2.1

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-018

Description: HA01SW01(121714)

Matrix: Aqueous

Date Sampled: 12/17/2014 1520

Date Received: 12/18/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	12/30/2014 1802	DRB1	12/24/2014 0938	63919

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Naphthalene	91-20-3	8270D	ND		1.0	0.070	ug/L	1
2-Nitroaniline	88-74-4	8270D	ND		2.0	0.55	ug/L	1
3-Nitroaniline	99-09-2	8270D	ND		2.0	0.77	ug/L	1
4-Nitroaniline	100-01-6	8270D	ND		2.0	0.39	ug/L	1
Nitrobenzene	98-95-3	8270D	ND		1.0	0.10	ug/L	1
2-Nitrophenol	88-75-5	8270D	ND		2.0	0.27	ug/L	1
4-Nitrophenol	100-02-7	8270D	ND		5.0	0.64	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		1.0	0.080	ug/L	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		1.0	0.38	ug/L	1
Pentachlorophenol	87-86-5	8270D	ND		5.0	0.54	ug/L	1
Phenanthrene	85-01-8	8270D	ND		1.0	0.18	ug/L	1
Phenol	108-95-2	8270D	ND		1.0	0.11	ug/L	1
Pyrene	129-00-0	8270D	ND		1.0	0.16	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		1.0	0.18	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		1.0	0.22	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
2-Fluorobiphenyl		78	37-129					
2-Fluorophenol		77	24-127					
Nitrobenzene-d5		86	38-127					
Phenol-d5		76	28-128					
Terphenyl-d14		81	10-148					
2,4,6-Tribromophenol		75	41-144					

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 78 of 202

Level 1 Report v2.1

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.	Laboratory ID: PL18008-018
Description: HA01SW01(121714)	Matrix: Aqueous
Date Sampled: 12/17/2014 1520	
Date Received: 12/18/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	12/26/2014 2043	MEM	12/23/2014 1200	63824

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		0.025	0.0017	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.025	0.0011	ug/L	1
alpha-BHC	319-84-6	8081B	ND		0.025	0.0010	ug/L	1
beta-BHC	319-85-7	8081B	0.0048	J	0.025	0.0039	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.025	0.0011	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.025	0.0013	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.025	0.0015	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.025	0.0010	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.025	0.011	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.025	0.0020	ug/L	1
Dieldrin	60-57-1	8081B	ND		0.025	0.0010	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.025	0.0022	ug/L	1
Endosulfan II	33213-65-9	8081B	ND		0.025	0.0015	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.025	0.0011	ug/L	1
Endrin	72-20-8	8081B	ND		0.025	0.0010	ug/L	1
Endrin aldehyde	7421-93-4	8081B	ND		0.025	0.0019	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.025	0.0012	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.025	0.013	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.025	0.0020	ug/L	1
Methoxychlor	72-43-5	8081B	0.0020	JP	0.10	0.0020	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.25	0.11	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
Decachlorobiphenyl		50	10-122					
Tetrachloro-m-xylene		60	46-119					

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

ICP-MS

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-018

Description: HA01SW01(121714)

Matrix: Aqueous

Date Sampled: 12/17/2014 1520

Date Received: 12/18/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	01/09/2015 0229	BNW	01/08/2015 1415	64841
2	3005A	6020A	1	01/09/2015 1805	CDF	01/08/2015 1415	64841

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6020A	0.53	J	1.0	0.26	ug/L	1
Barium	7440-39-3	6020A	29	B	5.0	0.045	ug/L	1
Cadmium	7440-43-9	6020A	ND		0.10	0.059	ug/L	1
Chromium	7440-47-3	6020A	ND		5.0	0.35	ug/L	1
Lead	7439-92-1	6020A	1.1		1.0	0.047	ug/L	1
Selenium	7782-49-2	6020A	1.4		1.0	0.25	ug/L	2
Silver	7440-22-4	6020A	ND		1.0	0.011	ug/L	2

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 80 of 202

Level 1 Report v2.1

CVAA

Client: ARCADIS U.S., Inc.	Laboratory ID: PL18008-018
Description: HA01SW01(121714)	Matrix: Aqueous
Date Sampled: 12/17/2014 1520	
Date Received: 12/18/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/29/2014 1819	HKB	12/29/2014 1445	64180

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND		0.00010	0.000015	mg/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Inorganic non-metals

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-019			
Description: D1(121714)				Matrix: Aqueous			
Date Sampled: 12/17/2014 1201							
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1		(Hexavalent C) 7196A	1	12/18/2014 1324	BLB		63424		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Hexavalent Chromium	18540-29-9	7196A	ND		0.020	0.0081	mg/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-019			
Description: D1(121714)				Matrix: Aqueous			
Date Sampled: 12/17/2014 1201							
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/22/2014 1623	DCS		63707

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	0.31	J	1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	0.55	J	1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	0.34	J	1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	1.9		1.0	0.33	ug/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.	Laboratory ID: PL18008-019
Description: D1(121714)	Matrix: Aqueous
Date Sampled: 12/17/2014 1201	
Date Received: 12/18/2014	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	70-130
Bromofluorobenzene		108	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-019

Description: D1(121714)

Matrix: Aqueous

Date Sampled: 12/17/2014 1201

Date Received: 12/18/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	3520C	8270D	1	12/30/2014 1826	DRB1	12/24/2014 0938	63919		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acenaphthene	83-32-9	8270D	ND		1.0	0.090	ug/L	1	
Acenaphthylene	208-96-8	8270D	ND		1.0	0.16	ug/L	1	
Anthracene	120-12-7	8270D	ND		1.0	0.13	ug/L	1	
Benzo(a)anthracene	56-55-3	8270D	ND		1.0	0.15	ug/L	1	
Benzo(a)pyrene	50-32-8	8270D	ND		1.0	0.16	ug/L	1	
Benzo(b)fluoranthene	205-99-2	8270D	ND		1.0	0.20	ug/L	1	
Benzo(g,h,i)perylene	191-24-2	8270D	ND		1.0	0.23	ug/L	1	
Benzo(k)fluoranthene	207-08-9	8270D	ND		1.0	0.12	ug/L	1	
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		1.0	0.12	ug/L	1	
Butyl benzyl phthalate	85-68-7	8270D	ND		5.0	1.7	ug/L	1	
Carbazole	86-74-8	8270D	ND		1.0	0.25	ug/L	1	
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		1.0	0.22	ug/L	1	
4-Chloroaniline	106-47-8	8270D	ND		1.0	0.13	ug/L	1	
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		1.0	0.13	ug/L	1	
bis(2-Chloroisopropyl)ether	108-60-1	8270D	ND		1.0	0.080	ug/L	1	
2-Chloronaphthalene	91-58-7	8270D	ND		1.0	0.12	ug/L	1	
2-Chlorophenol	95-57-8	8270D	ND		1.0	0.13	ug/L	1	
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		1.0	0.11	ug/L	1	
Chrysene	218-01-9	8270D	ND		1.0	0.12	ug/L	1	
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		1.0	0.13	ug/L	1	
Dibenzofuran	132-64-9	8270D	ND		1.0	0.16	ug/L	1	
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		5.0	0.81	ug/L	1	
2,4-Dichlorophenol	120-83-2	8270D	ND		1.0	0.15	ug/L	1	
Diethylphthalate	84-66-2	8270D	ND		5.0	1.7	ug/L	1	
Dimethyl phthalate	131-11-3	8270D	ND		5.0	1.7	ug/L	1	
2,4-Dimethylphenol	105-67-9	8270D	ND		1.0	0.31	ug/L	1	
Di-n-butyl phthalate	84-74-2	8270D	ND		5.0	1.7	ug/L	1	
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		5.0	1.5	ug/L	1	
2,4-Dinitrophenol	51-28-5	8270D	ND		5.0	0.25	ug/L	1	
2,4-Dinitrotoluene	121-14-2	8270D	ND		2.0	0.45	ug/L	1	
2,6-Dinitrotoluene	606-20-2	8270D	ND		2.0	0.40	ug/L	1	
Di-n-octylphthalate	117-84-0	8270D	ND		5.0	1.7	ug/L	1	
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		5.0	1.7	ug/L	1	
Fluoranthene	206-44-0	8270D	ND		1.0	0.21	ug/L	1	
Fluorene	86-73-7	8270D	ND		1.0	0.10	ug/L	1	
Hexachlorobenzene	118-74-1	8270D	ND		1.0	0.21	ug/L	1	
Hexachlorobutadiene	87-68-3	8270D	ND		1.0	0.090	ug/L	1	
Hexachlorocyclopentadiene	77-47-4	8270D	ND		5.0	0.23	ug/L	1	
Hexachloroethane	67-72-1	8270D	ND		1.0	0.11	ug/L	1	
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		1.0	0.23	ug/L	1	
Isophorone	78-59-1	8270D	ND		1.0	0.080	ug/L	1	
2-Methylnaphthalene	91-57-6	8270D	ND		1.0	0.080	ug/L	1	
2-Methylphenol	95-48-7	8270D	ND		1.0	0.17	ug/L	1	
3 & 4-Methylphenol	106-44-5	8270D	ND		2.0	0.57	ug/L	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 85 of 202

Level 1 Report v2.1

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-019

Description: D1(121714)

Matrix: Aqueous

Date Sampled: 12/17/2014 1201

Date Received: 12/18/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	12/30/2014 1826	DRB1	12/24/2014 0938	63919

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Naphthalene	91-20-3	8270D	ND		1.0	0.070	ug/L	1
2-Nitroaniline	88-74-4	8270D	ND		2.0	0.55	ug/L	1
3-Nitroaniline	99-09-2	8270D	ND		2.0	0.77	ug/L	1
4-Nitroaniline	100-01-6	8270D	ND		2.0	0.39	ug/L	1
Nitrobenzene	98-95-3	8270D	ND		1.0	0.10	ug/L	1
2-Nitrophenol	88-75-5	8270D	ND		2.0	0.27	ug/L	1
4-Nitrophenol	100-02-7	8270D	ND		5.0	0.64	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		1.0	0.080	ug/L	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		1.0	0.38	ug/L	1
Pentachlorophenol	87-86-5	8270D	ND		5.0	0.54	ug/L	1
Phenanthrene	85-01-8	8270D	ND		1.0	0.18	ug/L	1
Phenol	108-95-2	8270D	ND		1.0	0.11	ug/L	1
Pyrene	129-00-0	8270D	ND		1.0	0.16	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		1.0	0.18	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		1.0	0.22	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
2-Fluorobiphenyl		75	37-129					
2-Fluorophenol		69	24-127					
Nitrobenzene-d5		83	38-127					
Phenol-d5		71	28-128					
Terphenyl-d14		86	10-148					
2,4,6-Tribromophenol		76	41-144					

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 86 of 202

Level 1 Report v2.1

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-019			
Description: D1(121714)				Matrix: Aqueous			
Date Sampled: 12/17/2014 1201							
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	12/26/2014 2058	MEM	12/23/2014 1200	63824

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		0.025	0.0017	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	0.0020	BJP	0.025	0.0011	ug/L	1
alpha-BHC	319-84-6	8081B	0.0015	BJP	0.025	0.0010	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.025	0.0039	ug/L	1
delta-BHC	319-86-8	8081B	0.0015	BJ	0.025	0.0011	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.025	0.0013	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.025	0.0015	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.025	0.0010	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.025	0.011	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.025	0.0020	ug/L	1
Dieldrin	60-57-1	8081B	ND		0.025	0.0010	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.025	0.0022	ug/L	1
Endosulfan II	33213-65-9	8081B	ND		0.025	0.0015	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.025	0.0011	ug/L	1
Endrin	72-20-8	8081B	0.0010	BJP	0.025	0.0010	ug/L	1
Endrin aldehyde	7421-93-4	8081B	0.0019	JP	0.025	0.0019	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.025	0.0012	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.025	0.013	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.025	0.0020	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.10	0.0020	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.25	0.11	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
Decachlorobiphenyl		48	10-122					
Tetrachloro-m-xylene		70	46-119					

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

RCRA Metals

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-019

Description: D1(121714)

Matrix: Aqueous

Date Sampled: 12/17/2014 1201

Date Received: 12/18/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/29/2014 1821	HKB	12/29/2014 1445	64180
1	3005A	6010C	1	12/30/2014 1309	ECS	12/23/2014 1605	63838

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.010	0.0040	mg/L	1
Barium	7440-39-3	6010C	0.029		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010C	ND		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010C	0.0030	J	0.010	0.0019	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	0.000015	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	0.0026	mg/L	1
Silver	7440-22-4	6010C	0.00070	J	0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 88 of 202

Level 1 Report v2.1

Inorganic non-metals

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-020			
Description: HA01SD03(121714)				Matrix: Solid			
Date Sampled: 12/17/2014 1410				% Solids: 79.8 12/18/2014 2018			
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	3060A	(Hexavalent C) 7196A	1	12/24/2014 1100	BLB	12/23/2014 1610	63847		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Hexavalent Chromium	18540-29-9	7196A	0.60	J	1.3	0.32	mg/kg	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-020			
Description: HA01SD03(121714)				Matrix: Solid			
Date Sampled: 12/17/2014 1410				% Solids: 79.8 12/18/2014 2018			
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/19/2014 1829	DCS		63558	6.09

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		21	6.9	ug/kg	1
Benzene	71-43-2	8260B	ND		5.1	1.1	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.1	1.7	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.1	0.72	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.1	1.9	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.1	1.3	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.1	1.9	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.1	1.7	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.1	1.3	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.1	0.85	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.1	1.0	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.1	0.69	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.1	1.5	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.1	1.7	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.1	0.87	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.1	1.7	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.1	1.7	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.1	1.7	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.1	1.6	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.1	0.75	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.1	1.0	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.1	1.7	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.1	0.78	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.1	1.5	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.1	0.94	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.1	0.70	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.1	0.84	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.1	1.7	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		10	1.3	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.1	0.24	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.1	1.0	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.1	0.41	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	1.5	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.1	0.42	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.1	2.7	ug/kg	1
Styrene	100-42-5	8260B	ND		5.1	1.1	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.1	0.48	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.1	0.51	ug/kg	1
Toluene	108-88-3	8260B	ND		5.1	1.7	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.1	0.65	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.1	1.7	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.1	0.87	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.1	0.81	ug/kg	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.	Laboratory ID: PL18008-020
Description: HA01SD03(121714)	Matrix: Solid
Date Sampled: 12/17/2014 1410	% Solids: 79.8 12/18/2014 2018
Date Received: 12/18/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/19/2014 1829	DCS		63558	6.09

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		5.1	2.0	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.1	1.5	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.1	0.89	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.1	3.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	53-142
Bromofluorobenzene		88	47-138
Toluene-d8		94	68-124

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-020

Description: HA01SD03(121714)

Matrix: Solid

Date Sampled: 12/17/2014 1410

% Solids: 79.8 12/18/2014 2018

Date Received: 12/18/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	3550C	8270D	1	12/31/2014 1713	DRB1	12/29/2014 2057	64207		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acenaphthene	83-32-9	8270D	ND		40	13	ug/kg	1	
Acenaphthylene	208-96-8	8270D	ND		40	13	ug/kg	1	
Acetophenone	98-86-2	8270D	ND		40	22	ug/kg	1	
Anthracene	120-12-7	8270D	ND		40	9.0	ug/kg	1	
Atrazine	1912-24-9	8270D	ND		40	21	ug/kg	1	
Benzaldehyde	100-52-7	8270D	ND		40	21	ug/kg	1	
Benzo(a)anthracene	56-55-3	8270D	12	J	40	11	ug/kg	1	
Benzo(a)pyrene	50-32-8	8270D	ND		40	11	ug/kg	1	
Benzo(b)fluoranthene	205-99-2	8270D	14	J	40	12	ug/kg	1	
Benzo(g,h,i)perylene	191-24-2	8270D	ND		40	14	ug/kg	1	
Benzo(k)fluoranthene	207-08-9	8270D	ND		40	12	ug/kg	1	
1,1'-Biphenyl	92-52-4	8270D	ND		40	12	ug/kg	1	
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		40	12	ug/kg	1	
Butyl benzyl phthalate	85-68-7	8270D	ND		82	27	ug/kg	1	
Caprolactam	105-60-2	8270D	42		40	21	ug/kg	1	
Carbazole	86-74-8	8270D	ND		40	17	ug/kg	1	
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		40	10	ug/kg	1	
4-Chloroaniline	106-47-8	8270D	ND		40	8.3	ug/kg	1	
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		40	12	ug/kg	1	
bis(2-Chloroethyl)ether	111-44-4	8270D	ND		40	11	ug/kg	1	
bis(2-Chloroisopropyl)ether	108-60-1	8270D	ND		40	13	ug/kg	1	
2-Chloronaphthalene	91-58-7	8270D	ND		40	13	ug/kg	1	
2-Chlorophenol	95-57-8	8270D	ND		40	11	ug/kg	1	
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		40	14	ug/kg	1	
Chrysene	218-01-9	8270D	ND		40	14	ug/kg	1	
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		40	11	ug/kg	1	
Dibenzofuran	132-64-9	8270D	ND		40	13	ug/kg	1	
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		210	44	ug/kg	1	
2,4-Dichlorophenol	120-83-2	8270D	ND		40	13	ug/kg	1	
Diethylphthalate	84-66-2	8270D	ND		40	13	ug/kg	1	
Dimethyl phthalate	131-11-3	8270D	ND		40	13	ug/kg	1	
2,4-Dimethylphenol	105-67-9	8270D	ND		40	15	ug/kg	1	
Di-n-butyl phthalate	84-74-2	8270D	ND		40	21	ug/kg	1	
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		210	160	ug/kg	1	
2,4-Dinitrophenol	51-28-5	8270D	ND		210	140	ug/kg	1	
2,4-Dinitrotoluene	121-14-2	8270D	ND		82	22	ug/kg	1	
2,6-Dinitrotoluene	606-20-2	8270D	ND		82	21	ug/kg	1	
Di-n-octylphthalate	117-84-0	8270D	ND		40	39	ug/kg	1	
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		40	14	ug/kg	1	
Fluoranthene	206-44-0	8270D	17	J	40	13	ug/kg	1	
Fluorene	86-73-7	8270D	ND		40	11	ug/kg	1	
Hexachlorobenzene	118-74-1	8270D	ND		40	18	ug/kg	1	
Hexachlorobutadiene	87-68-3	8270D	ND		40	13	ug/kg	1	
Hexachlorocyclopentadiene	77-47-4	8270D	ND		210	30	ug/kg	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 92 of 202

Level 1 Report v2.1

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-020

Description: HA01SD03(121714)

Matrix: Solid

Date Sampled: 12/17/2014 1410

% Solids: 79.8 12/18/2014 2018

Date Received: 12/18/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	12/31/2014 1713	DRB1	12/29/2014 2057	64207

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Hexachloroethane	67-72-1	8270D	ND		40	11	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		40	12	ug/kg	1
Isophorone	78-59-1	8270D	ND		40	9.0	ug/kg	1
2-Methylnaphthalene	91-57-6	8270D	ND		40	12	ug/kg	1
2-Methylphenol	95-48-7	8270D	ND		40	7.4	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270D	ND		82	15	ug/kg	1
Naphthalene	91-20-3	8270D	ND		40	12	ug/kg	1
2-Nitroaniline	88-74-4	8270D	ND		82	28	ug/kg	1
3-Nitroaniline	99-09-2	8270D	ND		82	47	ug/kg	1
4-Nitroaniline	100-01-6	8270D	ND		82	23	ug/kg	1
Nitrobenzene	98-95-3	8270D	ND		40	6.6	ug/kg	1
2-Nitrophenol	88-75-5	8270D	ND		82	22	ug/kg	1
4-Nitrophenol	100-02-7	8270D	ND		210	120	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		40	16	ug/kg	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		40	10	ug/kg	1
Pentachlorophenol	87-86-5	8270D	ND		210	170	ug/kg	1
Phenanthrene	85-01-8	8270D	ND		40	11	ug/kg	1
Phenol	108-95-2	8270D	11	J	40	11	ug/kg	1
Pyrene	129-00-0	8270D	ND		40	16	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		40	11	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		40	12	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		57	33-102
2-Fluorophenol		60	28-104
Nitrobenzene-d5		51	22-109
Phenol-d5		61	27-103
Terphenyl-d14		82	41-120
2,4,6-Tribromophenol		68	30-117

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 93 of 202

Level 1 Report v2.1

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.	Laboratory ID: PL18008-020
Description: HA01SD03(121714)	Matrix: Solid
Date Sampled: 12/17/2014 1410	% Solids: 79.8 12/18/2014 2018
Date Received: 12/18/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8081B	10	01/07/2015 1220	MEM	12/29/2014 0930	64120

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		21	0.52	ug/kg	1
alpha-BHC	319-84-6	8081B	ND		21	0.56	ug/kg	1
beta-BHC	319-85-7	8081B	ND		21	0.45	ug/kg	1
delta-BHC	319-86-8	8081B	ND		21	0.26	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		21	0.93	ug/kg	1
alpha-Chlordane	5103-71-9	8081B	ND		21	0.35	ug/kg	1
gamma-Chlordane	5103-74-2	8081B	ND		21	0.31	ug/kg	1
4,4'-DDD	72-54-8	8081B	ND		21	0.45	ug/kg	1
4,4'-DDE	72-55-9	8081B	ND		21	4.0	ug/kg	1
4,4'-DDT	50-29-3	8081B	ND		21	0.87	ug/kg	1
Dieldrin	60-57-1	8081B	ND		21	0.35	ug/kg	1
Endosulfan I	959-98-8	8081B	ND		21	0.51	ug/kg	1
Endosulfan II	33213-65-9	8081B	ND		21	0.40	ug/kg	1
Endosulfan sulfate	1031-07-8	8081B	ND		21	0.46	ug/kg	1
Endrin	72-20-8	8081B	ND		21	0.27	ug/kg	1
Endrin aldehyde	7421-93-4	8081B	ND		21	0.45	ug/kg	1
Endrin ketone	53494-70-5	8081B	0.56	JP	21	0.45	ug/kg	1
Heptachlor	76-44-8	8081B	ND		21	0.71	ug/kg	1
Heptachlor epoxide	1024-57-3	8081B	ND		21	0.45	ug/kg	1
Methoxychlor	72-43-5	8081B	ND		83	0.83	ug/kg	1
Toxaphene	8001-35-2	8081B	ND		1000	21	ug/kg	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
Decachlorobiphenyl		72	57-110					
Tetrachloro-m-xylene		55	37-91					

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

RCRA Metals

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-020

Description: HA01SD03(121714)

Matrix: Solid

Date Sampled: 12/17/2014 1410

% Solids: 79.8 12/18/2014 2018

Date Received: 12/18/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	7471B	7471B	1	12/31/2014 1227	COH	12/30/2014 1244	64167
1	3050B	6010C	1	12/26/2014 1859	RKT	12/23/2014 0901	63790

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	0.23	J	0.62	0.23	mg/kg	1
Barium	7440-39-3	6010C	3.5		1.6	0.11	mg/kg	1
Cadmium	7440-43-9	6010C	0.037	J	0.12	0.013	mg/kg	1
Chromium	7440-47-3	6010C	1.2		0.31	0.063	mg/kg	1
Lead	7439-92-1	6010C	1.6		0.62	0.12	mg/kg	1
Mercury	7439-97-6	7471B	ND		0.097	0.0069	mg/kg	1
Selenium	7782-49-2	6010C	ND		0.62	0.22	mg/kg	1
Silver	7440-22-4	6010C	ND		0.31	0.052	mg/kg	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 95 of 202

Level 1 Report v2.1

Inorganic non-metals

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-021			
Description: HA01SD02(121714)				Matrix: Solid			
Date Sampled: 12/17/2014 1440				% Solids: 80.8 12/18/2014 2018			
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3060A	(Hexavalent C) 7196A	1	12/24/2014 1100	BLB	12/23/2014 1610	63847

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Hexavalent Chromium	18540-29-9	7196A	0.65	J	1.2	0.31	mg/kg	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-021			
Description: HA01SD02(121714)				Matrix: Solid			
Date Sampled: 12/17/2014 1440				% Solids: 80.8 12/18/2014 2018			
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/21/2014 1544	DCS		63634	6.52

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		19	6.4	ug/kg	1
Benzene	71-43-2	8260B	ND		4.7	1.0	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.7	1.6	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.7	0.66	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.7	1.7	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		9.5	2.3	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		4.7	1.2	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.7	1.7	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.7	1.6	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.7	1.2	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.7	0.79	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.7	0.95	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.7	0.64	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.7	1.4	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.7	1.6	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.7	0.81	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.7	1.6	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.7	1.6	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.7	1.6	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.7	1.5	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.7	0.69	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.7	0.95	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.7	1.6	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.7	0.72	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.7	1.4	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.7	0.86	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.7	0.65	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.7	0.78	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.7	1.6	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		9.5	1.2	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.7	0.22	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.7	0.93	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.7	0.38	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		9.5	1.4	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.7	0.39	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.7	2.5	ug/kg	1
Styrene	100-42-5	8260B	ND		4.7	1.0	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.7	0.45	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		4.7	0.47	ug/kg	1
Toluene	108-88-3	8260B	ND		4.7	1.6	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.7	0.60	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.7	1.6	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.7	0.81	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.7	0.75	ug/kg	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-021			
Description: HA01SD02(121714)				Matrix: Solid			
Date Sampled: 12/17/2014 1440				% Solids: 80.8 12/18/2014 2018			
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/21/2014 1544	DCS		63634	6.52

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		4.7	1.8	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		4.7	1.4	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		4.7	0.82	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.7	2.8	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	53-142
Bromofluorobenzene		95	47-138
Toluene-d8		97	68-124

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-021

Description: HA01SD02(121714)

Matrix: Solid

Date Sampled: 12/17/2014 1440

% Solids: 80.8 12/18/2014 2018

Date Received: 12/18/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	3550C	8270D	1	01/02/2015 1211	DRB1	12/29/2014 2057	64207		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acenaphthene	83-32-9	8270D	ND		40	13	ug/kg	1	
Acenaphthylene	208-96-8	8270D	ND		40	13	ug/kg	1	
Acetophenone	98-86-2	8270D	ND		40	22	ug/kg	1	
Anthracene	120-12-7	8270D	ND		40	9.0	ug/kg	1	
Atrazine	1912-24-9	8270D	ND		40	21	ug/kg	1	
Benzaldehyde	100-52-7	8270D	ND		40	21	ug/kg	1	
Benzo(a)anthracene	56-55-3	8270D	13	J	40	11	ug/kg	1	
Benzo(a)pyrene	50-32-8	8270D	11	J	40	11	ug/kg	1	
Benzo(b)fluoranthene	205-99-2	8270D	15	J	40	12	ug/kg	1	
Benzo(g,h,i)perylene	191-24-2	8270D	14	J	40	14	ug/kg	1	
Benzo(k)fluoranthene	207-08-9	8270D	ND		40	12	ug/kg	1	
1,1'-Biphenyl	92-52-4	8270D	ND		40	12	ug/kg	1	
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		40	12	ug/kg	1	
Butyl benzyl phthalate	85-68-7	8270D	ND		82	27	ug/kg	1	
Caprolactam	105-60-2	8270D	ND		40	21	ug/kg	1	
Carbazole	86-74-8	8270D	ND		40	17	ug/kg	1	
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		40	10	ug/kg	1	
4-Chloroaniline	106-47-8	8270D	ND		40	8.2	ug/kg	1	
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		40	12	ug/kg	1	
bis(2-Chloroethyl)ether	111-44-4	8270D	ND		40	11	ug/kg	1	
bis(2-Chloroisopropyl)ether	108-60-1	8270D	ND		40	13	ug/kg	1	
2-Chloronaphthalene	91-58-7	8270D	ND		40	13	ug/kg	1	
2-Chlorophenol	95-57-8	8270D	ND		40	11	ug/kg	1	
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		40	14	ug/kg	1	
Chrysene	218-01-9	8270D	ND		40	13	ug/kg	1	
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		40	11	ug/kg	1	
Dibenzofuran	132-64-9	8270D	ND		40	13	ug/kg	1	
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		210	44	ug/kg	1	
2,4-Dichlorophenol	120-83-2	8270D	ND		40	13	ug/kg	1	
Diethylphthalate	84-66-2	8270D	ND		40	13	ug/kg	1	
Dimethyl phthalate	131-11-3	8270D	ND		40	13	ug/kg	1	
2,4-Dimethylphenol	105-67-9	8270D	ND		40	15	ug/kg	1	
Di-n-butyl phthalate	84-74-2	8270D	ND		40	21	ug/kg	1	
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		210	160	ug/kg	1	
2,4-Dinitrophenol	51-28-5	8270D	ND		210	140	ug/kg	1	
2,4-Dinitrotoluene	121-14-2	8270D	ND		82	22	ug/kg	1	
2,6-Dinitrotoluene	606-20-2	8270D	ND		82	21	ug/kg	1	
Di-n-octylphthalate	117-84-0	8270D	ND		40	39	ug/kg	1	
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		40	14	ug/kg	1	
Fluoranthene	206-44-0	8270D	15	J	40	13	ug/kg	1	
Fluorene	86-73-7	8270D	ND		40	11	ug/kg	1	
Hexachlorobenzene	118-74-1	8270D	ND		40	18	ug/kg	1	
Hexachlorobutadiene	87-68-3	8270D	ND		40	13	ug/kg	1	
Hexachlorocyclopentadiene	77-47-4	8270D	ND		210	30	ug/kg	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 99 of 202

Level 1 Report v2.1

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-021

Description: HA01SD02(121714)

Matrix: Solid

Date Sampled: 12/17/2014 1440

% Solids: 80.8 12/18/2014 2018

Date Received: 12/18/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	01/02/2015 1211	DRB1	12/29/2014 2057	64207

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Hexachloroethane	67-72-1	8270D	ND		40	11	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		40	12	ug/kg	1
Isophorone	78-59-1	8270D	ND		40	9.0	ug/kg	1
2-Methylnaphthalene	91-57-6	8270D	ND		40	12	ug/kg	1
2-Methylphenol	95-48-7	8270D	ND		40	7.3	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270D	ND		82	15	ug/kg	1
Naphthalene	91-20-3	8270D	ND		40	12	ug/kg	1
2-Nitroaniline	88-74-4	8270D	ND		82	28	ug/kg	1
3-Nitroaniline	99-09-2	8270D	ND		82	47	ug/kg	1
4-Nitroaniline	100-01-6	8270D	ND		82	23	ug/kg	1
Nitrobenzene	98-95-3	8270D	ND		40	6.5	ug/kg	1
2-Nitrophenol	88-75-5	8270D	ND		82	22	ug/kg	1
4-Nitrophenol	100-02-7	8270D	ND		210	120	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		40	16	ug/kg	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		40	10	ug/kg	1
Pentachlorophenol	87-86-5	8270D	ND		210	170	ug/kg	1
Phenanthrene	85-01-8	8270D	ND		40	11	ug/kg	1
Phenol	108-95-2	8270D	12	J	40	11	ug/kg	1
Pyrene	129-00-0	8270D	ND		40	16	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		40	11	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		40	12	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		68	33-102
2-Fluorophenol		69	28-104
Nitrobenzene-d5		59	22-109
Phenol-d5		73	27-103
Terphenyl-d14		101	41-120
2,4,6-Tribromophenol		81	30-117

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 100 of 202

Level 1 Report v2.1

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-021			
Description: HA01SD02(121714)				Matrix: Solid			
Date Sampled: 12/17/2014 1440				% Solids: 80.8 12/18/2014 2018			
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8081B	10	01/07/2015 1234	MEM	12/29/2014 0930	64120

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		21	0.52	ug/kg	1
alpha-BHC	319-84-6	8081B	ND		21	0.56	ug/kg	1
beta-BHC	319-85-7	8081B	ND		21	0.45	ug/kg	1
delta-BHC	319-86-8	8081B	ND		21	0.26	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		21	0.93	ug/kg	1
alpha-Chlordane	5103-71-9	8081B	ND		21	0.35	ug/kg	1
gamma-Chlordane	5103-74-2	8081B	ND		21	0.31	ug/kg	1
4,4'-DDD	72-54-8	8081B	ND		21	0.45	ug/kg	1
4,4'-DDE	72-55-9	8081B	ND		21	4.0	ug/kg	1
4,4'-DDT	50-29-3	8081B	ND		21	0.87	ug/kg	1
Dieldrin	60-57-1	8081B	ND		21	0.35	ug/kg	1
Endosulfan I	959-98-8	8081B	ND		21	0.51	ug/kg	1
Endosulfan II	33213-65-9	8081B	ND		21	0.40	ug/kg	1
Endosulfan sulfate	1031-07-8	8081B	ND		21	0.46	ug/kg	1
Endrin	72-20-8	8081B	ND		21	0.27	ug/kg	1
Endrin aldehyde	7421-93-4	8081B	ND		21	0.45	ug/kg	1
Endrin ketone	53494-70-5	8081B	ND		21	0.45	ug/kg	1
Heptachlor	76-44-8	8081B	ND		21	0.71	ug/kg	1
Heptachlor epoxide	1024-57-3	8081B	ND		21	0.45	ug/kg	1
Methoxychlor	72-43-5	8081B	ND		83	0.83	ug/kg	1
Toxaphene	8001-35-2	8081B	ND		1000	21	ug/kg	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
Decachlorobiphenyl		70	57-110					
Tetrachloro-m-xylene		58	37-91					

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

RCRA Metals

Client: ARCADIS U.S., Inc.	Laboratory ID: PL18008-021
Description: HA01SD02(121714)	Matrix: Solid
Date Sampled: 12/17/2014 1440	% Solids: 80.8 12/18/2014 2018
Date Received: 12/18/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	7471B	7471B	1	12/31/2014 1229	COH	12/30/2014 1244	64167
1	3050B	6010C	1	12/26/2014 1904	RKT	12/23/2014 0901	63790

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	0.29	J	0.57	0.21	mg/kg	1
Barium	7440-39-3	6010C	14		1.5	0.10	mg/kg	1
Cadmium	7440-43-9	6010C	0.063	J	0.11	0.012	mg/kg	1
Chromium	7440-47-3	6010C	3.5		0.29	0.058	mg/kg	1
Lead	7439-92-1	6010C	3.2		0.57	0.11	mg/kg	1
Mercury	7439-97-6	7471B	ND		0.096	0.0069	mg/kg	1
Selenium	7782-49-2	6010C	ND		0.57	0.20	mg/kg	1
Silver	7440-22-4	6010C	ND		0.29	0.048	mg/kg	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Inorganic non-metals

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-022			
Description: HA01SD01(121714)				Matrix: Solid			
Date Sampled: 12/17/2014 1520				% Solids: 77.9 12/18/2014 2018			
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	3060A	(Hexavalent C) 7196A	1	12/24/2014 1100	BLB	12/23/2014 1610	63847		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Hexavalent Chromium	18540-29-9	7196A	0.56	J	1.3	0.32	mg/kg	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-022			
Description: HA01SD01(121714)				Matrix: Solid			
Date Sampled: 12/17/2014 1520				% Solids: 77.9 12/18/2014 2018			
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/21/2014 1605	DCS		63634	5.23

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	11	J	25	8.2	ug/kg	1
Benzene	71-43-2	8260B	ND		6.1	1.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.1	2.1	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.1	0.86	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.1	2.2	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	2.9	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.1	1.6	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.1	2.2	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.1	2.1	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.1	1.6	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.1	1.0	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.1	1.2	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.1	0.83	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.1	1.8	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.1	2.1	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.1	1.0	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.1	2.1	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.1	2.1	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.1	2.1	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.1	2.0	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.1	0.90	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.1	1.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.1	2.1	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.1	0.93	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.1	1.8	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.1	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.1	0.83	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.1	1.0	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.1	2.1	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	1.6	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.1	0.28	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.1	1.2	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.1	0.49	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.8	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.1	0.50	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.1	3.2	ug/kg	1
Styrene	100-42-5	8260B	ND		6.1	1.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.1	0.58	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.1	0.61	ug/kg	1
Toluene	108-88-3	8260B	ND		6.1	2.1	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.1	0.77	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.1	2.1	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.1	1.0	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.1	0.97	ug/kg	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-022			
Description: HA01SD01(121714)				Matrix: Solid			
Date Sampled: 12/17/2014 1520				% Solids: 77.9 12/18/2014 2018			
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/21/2014 1605	DCS		63634	5.23

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		6.1	2.3	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.1	1.8	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.1	1.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.1	3.6	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		88	53-142
Bromofluorobenzene		95	47-138
Toluene-d8		94	68-124

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-022

Description: HA01SD01(121714)

Matrix: Solid

Date Sampled: 12/17/2014 1520

% Solids: 77.9 12/18/2014 2018

Date Received: 12/18/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	3550C	8270D	2	01/02/2015 1639	DRB1	12/29/2014 2057	64207		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acenaphthene	83-32-9	8270D	34	J	84	27	ug/kg	1	
Acenaphthylene	208-96-8	8270D	ND		84	26	ug/kg	1	
Acetophenone	98-86-2	8270D	ND		84	46	ug/kg	1	
Anthracene	120-12-7	8270D	88		84	19	ug/kg	1	
Atrazine	1912-24-9	8270D	ND		84	43	ug/kg	1	
Benzaldehyde	100-52-7	8270D	ND		84	43	ug/kg	1	
Benzo(a)anthracene	56-55-3	8270D	630		84	22	ug/kg	1	
Benzo(a)pyrene	50-32-8	8270D	720		84	24	ug/kg	1	
Benzo(b)fluoranthene	205-99-2	8270D	1400		84	24	ug/kg	1	
Benzo(g,h,i)perylene	191-24-2	8270D	360		84	29	ug/kg	1	
Benzo(k)fluoranthene	207-08-9	8270D	610		84	24	ug/kg	1	
1,1'-Biphenyl	92-52-4	8270D	ND		84	25	ug/kg	1	
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		84	25	ug/kg	1	
Butyl benzyl phthalate	85-68-7	8270D	ND		170	56	ug/kg	1	
Caprolactam	105-60-2	8270D	ND		84	43	ug/kg	1	
Carbazole	86-74-8	8270D	170		84	36	ug/kg	1	
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		84	21	ug/kg	1	
4-Chloroaniline	106-47-8	8270D	ND		84	17	ug/kg	1	
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		84	26	ug/kg	1	
bis(2-Chloroethyl)ether	111-44-4	8270D	ND		84	23	ug/kg	1	
bis(2-Chloroisopropyl)ether	108-60-1	8270D	ND		84	28	ug/kg	1	
2-Chloronaphthalene	91-58-7	8270D	ND		84	28	ug/kg	1	
2-Chlorophenol	95-57-8	8270D	ND		84	23	ug/kg	1	
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		84	29	ug/kg	1	
Chrysene	218-01-9	8270D	840		84	28	ug/kg	1	
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		84	23	ug/kg	1	
Dibenzofuran	132-64-9	8270D	ND		84	27	ug/kg	1	
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		430	92	ug/kg	1	
2,4-Dichlorophenol	120-83-2	8270D	ND		84	26	ug/kg	1	
Diethylphthalate	84-66-2	8270D	ND		84	28	ug/kg	1	
Dimethyl phthalate	131-11-3	8270D	ND		84	28	ug/kg	1	
2,4-Dimethylphenol	105-67-9	8270D	ND		84	32	ug/kg	1	
Di-n-butyl phthalate	84-74-2	8270D	ND		84	45	ug/kg	1	
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		430	330	ug/kg	1	
2,4-Dinitrophenol	51-28-5	8270D	ND		430	290	ug/kg	1	
2,4-Dinitrotoluene	121-14-2	8270D	ND		170	46	ug/kg	1	
2,6-Dinitrotoluene	606-20-2	8270D	ND		170	44	ug/kg	1	
Di-n-octylphthalate	117-84-0	8270D	ND		84	81	ug/kg	1	
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	150		84	30	ug/kg	1	
Fluoranthene	206-44-0	8270D	2000		84	27	ug/kg	1	
Fluorene	86-73-7	8270D	46	J	84	23	ug/kg	1	
Hexachlorobenzene	118-74-1	8270D	ND		84	37	ug/kg	1	
Hexachlorobutadiene	87-68-3	8270D	ND		84	28	ug/kg	1	
Hexachlorocyclopentadiene	77-47-4	8270D	ND		430	62	ug/kg	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-022

Description: HA01SD01(121714)

Matrix: Solid

Date Sampled: 12/17/2014 1520

% Solids: 77.9 12/18/2014 2018

Date Received: 12/18/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	2	01/02/2015 1639	DRB1	12/29/2014 2057	64207

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Hexachloroethane	67-72-1	8270D	ND		84	23	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	360		84	25	ug/kg	1
Isophorone	78-59-1	8270D	ND		84	19	ug/kg	1
2-Methylnaphthalene	91-57-6	8270D	ND		84	25	ug/kg	1
2-Methylphenol	95-48-7	8270D	ND		84	15	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270D	ND		170	30	ug/kg	1
Naphthalene	91-20-3	8270D	ND		84	26	ug/kg	1
2-Nitroaniline	88-74-4	8270D	ND		170	58	ug/kg	1
3-Nitroaniline	99-09-2	8270D	ND		170	98	ug/kg	1
4-Nitroaniline	100-01-6	8270D	ND		170	48	ug/kg	1
Nitrobenzene	98-95-3	8270D	ND		84	14	ug/kg	1
2-Nitrophenol	88-75-5	8270D	ND		170	47	ug/kg	1
4-Nitrophenol	100-02-7	8270D	ND		430	240	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		84	32	ug/kg	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		84	21	ug/kg	1
Pentachlorophenol	87-86-5	8270D	ND		430	350	ug/kg	1
Phenanthrene	85-01-8	8270D	920		84	23	ug/kg	1
Phenol	108-95-2	8270D	ND		84	23	ug/kg	1
Pyrene	129-00-0	8270D	1200		84	34	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		84	24	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		84	25	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		66	33-102
2-Fluorophenol		66	28-104
Nitrobenzene-d5		62	22-109
Phenol-d5		72	27-103
Terphenyl-d14		86	41-120
2,4,6-Tribromophenol		72	30-117

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.	Laboratory ID: PL18008-022
Description: HA01SD01(121714)	Matrix: Solid
Date Sampled: 12/17/2014 1520	% Solids: 77.9 12/18/2014 2018
Date Received: 12/18/2014	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8081B	10	01/07/2015 1249	MEM	12/29/2014 0930	64120

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		22	0.53	ug/kg	1
alpha-BHC	319-84-6	8081B	ND		22	0.57	ug/kg	1
beta-BHC	319-85-7	8081B	ND		22	0.46	ug/kg	1
delta-BHC	319-86-8	8081B	0.62	JP	22	0.27	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081B	2.4	JP	22	0.95	ug/kg	1
alpha-Chlordane	5103-71-9	8081B	ND		22	0.35	ug/kg	1
gamma-Chlordane	5103-74-2	8081B	ND		22	0.32	ug/kg	1
4,4'-DDD	72-54-8	8081B	1.0	JP	22	0.46	ug/kg	1
4,4'-DDE	72-55-9	8081B	ND		22	4.1	ug/kg	1
4,4'-DDT	50-29-3	8081B	2.7	JP	22	0.89	ug/kg	1
Dieldrin	60-57-1	8081B	ND		22	0.35	ug/kg	1
Endosulfan I	959-98-8	8081B	ND		22	0.52	ug/kg	1
Endosulfan II	33213-65-9	8081B	ND		22	0.41	ug/kg	1
Endosulfan sulfate	1031-07-8	8081B	3.9	JP	22	0.47	ug/kg	1
Endrin	72-20-8	8081B	1.8	JP	22	0.28	ug/kg	1
Endrin aldehyde	7421-93-4	8081B	2.0	JP	22	0.46	ug/kg	1
Endrin ketone	53494-70-5	8081B	4.7	JP	22	0.46	ug/kg	1
Heptachlor	76-44-8	8081B	ND		22	0.72	ug/kg	1
Heptachlor epoxide	1024-57-3	8081B	ND		22	0.46	ug/kg	1
Methoxychlor	72-43-5	8081B	13	JP	85	0.85	ug/kg	1
Toxaphene	8001-35-2	8081B	ND		1100	22	ug/kg	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
Decachlorobiphenyl	N	140	57-110					
Tetrachloro-m-xylene		63	37-91					

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

RCRA Metals

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-022

Description: HA01SD01(121714)

Matrix: Solid

Date Sampled: 12/17/2014 1520

% Solids: 77.9 12/18/2014 2018

Date Received: 12/18/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	7471B	7471B	1	12/31/2014 1241	COH	12/30/2014 1244	64167
1	3050B	6010C	1	12/26/2014 1918	RKT	12/23/2014 0901	63790

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	0.47	J	0.59	0.22	mg/kg	1
Barium	7440-39-3	6010C	14		1.5	0.11	mg/kg	1
Cadmium	7440-43-9	6010C	0.12		0.12	0.012	mg/kg	1
Chromium	7440-47-3	6010C	4.3		0.29	0.059	mg/kg	1
Lead	7439-92-1	6010C	5.0		0.59	0.11	mg/kg	1
Mercury	7439-97-6	7471B	ND		0.097	0.0069	mg/kg	1
Selenium	7782-49-2	6010C	ND		0.59	0.20	mg/kg	1
Silver	7440-22-4	6010C	ND		0.29	0.049	mg/kg	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 109 of 202

Level 1 Report v2.1

Inorganic non-metals

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-023			
Description: D2(121714)				Matrix: Solid			
Date Sampled: 12/17/2014				% Solids: 78.7 12/18/2014 2018			
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	3060A	(Hexavalent C) 7196A	1	12/24/2014 1100	BLB	12/23/2014 1610	63847		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Hexavalent Chromium	18540-29-9	7196A	0.82	J	1.3	0.32	mg/kg	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-023			
Description: D2(121714)				Matrix: Solid			
Date Sampled: 12/17/2014				% Solids: 78.7 12/18/2014 2018			
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/21/2014 1626	DCS		63634	5.65

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		22	7.5	ug/kg	1
Benzene	71-43-2	8260B	ND		5.6	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.6	1.9	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.6	0.79	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.6	2.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.7	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.6	1.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.6	2.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.6	1.9	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.6	1.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.6	0.93	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.6	1.1	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.6	0.76	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.6	1.7	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.6	1.9	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.6	0.96	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.6	1.9	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.6	1.9	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.6	1.9	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.6	1.8	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.6	0.82	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.6	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.6	1.9	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.6	0.85	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.6	1.7	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.6	1.0	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.6	0.76	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.6	0.92	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.6	1.9	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.5	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.6	0.26	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.6	1.1	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.6	0.45	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.7	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.6	0.46	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.6	2.9	ug/kg	1
Styrene	100-42-5	8260B	ND		5.6	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.6	0.53	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.6	0.56	ug/kg	1
Toluene	108-88-3	8260B	ND		5.6	1.9	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.6	0.71	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.6	1.9	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.6	0.96	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.6	0.89	ug/kg	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-023			
Description: D2(121714)				Matrix: Solid			
Date Sampled: 12/17/2014				% Solids: 78.7 12/18/2014 2018			
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/21/2014 1626	DCS		63634	5.65

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		5.6	2.1	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.6	1.7	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.6	0.97	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.6	3.3	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	53-142
Bromofluorobenzene		95	47-138
Toluene-d8		93	68-124

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-023

Description: D2(121714)

Matrix: Solid

Date Sampled: 12/17/2014

% Solids: 78.7 12/18/2014 2018

Date Received: 12/18/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	3550C	8270D	2	01/02/2015 1703	DRB1	12/29/2014 2057	64207		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acenaphthene	83-32-9	8270D	63	J	83	27	ug/kg	1	
Acenaphthylene	208-96-8	8270D	ND		83	26	ug/kg	1	
Acetophenone	98-86-2	8270D	ND		83	45	ug/kg	1	
Anthracene	120-12-7	8270D	260		83	19	ug/kg	1	
Atrazine	1912-24-9	8270D	ND		83	43	ug/kg	1	
Benzaldehyde	100-52-7	8270D	ND		83	43	ug/kg	1	
Benzo(a)anthracene	56-55-3	8270D	960		83	22	ug/kg	1	
Benzo(a)pyrene	50-32-8	8270D	980		83	23	ug/kg	1	
Benzo(b)fluoranthene	205-99-2	8270D	2200		83	24	ug/kg	1	
Benzo(g,h,i)perylene	191-24-2	8270D	370		83	29	ug/kg	1	
Benzo(k)fluoranthene	207-08-9	8270D	820		83	24	ug/kg	1	
1,1'-Biphenyl	92-52-4	8270D	ND		83	25	ug/kg	1	
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		83	25	ug/kg	1	
Butyl benzyl phthalate	85-68-7	8270D	ND		170	55	ug/kg	1	
Caprolactam	105-60-2	8270D	ND		83	43	ug/kg	1	
Carbazole	86-74-8	8270D	320		83	36	ug/kg	1	
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		83	21	ug/kg	1	
4-Chloroaniline	106-47-8	8270D	ND		83	17	ug/kg	1	
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		83	25	ug/kg	1	
bis(2-Chloroethyl)ether	111-44-4	8270D	ND		83	23	ug/kg	1	
bis(2-Chloroisopropyl)ether	108-60-1	8270D	ND		83	28	ug/kg	1	
2-Chloronaphthalene	91-58-7	8270D	ND		83	28	ug/kg	1	
2-Chlorophenol	95-57-8	8270D	ND		83	23	ug/kg	1	
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		83	29	ug/kg	1	
Chrysene	218-01-9	8270D	1300		83	28	ug/kg	1	
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		83	23	ug/kg	1	
Dibenzofuran	132-64-9	8270D	40	J	83	26	ug/kg	1	
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		430	91	ug/kg	1	
2,4-Dichlorophenol	120-83-2	8270D	ND		83	26	ug/kg	1	
Diethylphthalate	84-66-2	8270D	ND		83	28	ug/kg	1	
Dimethyl phthalate	131-11-3	8270D	ND		83	28	ug/kg	1	
2,4-Dimethylphenol	105-67-9	8270D	ND		83	31	ug/kg	1	
Di-n-butyl phthalate	84-74-2	8270D	ND		83	44	ug/kg	1	
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		430	320	ug/kg	1	
2,4-Dinitrophenol	51-28-5	8270D	ND		430	280	ug/kg	1	
2,4-Dinitrotoluene	121-14-2	8270D	ND		170	46	ug/kg	1	
2,6-Dinitrotoluene	606-20-2	8270D	ND		170	43	ug/kg	1	
Di-n-octylphthalate	117-84-0	8270D	ND		83	80	ug/kg	1	
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	1100		83	29	ug/kg	1	
Fluoranthene	206-44-0	8270D	2900		83	26	ug/kg	1	
Fluorene	86-73-7	8270D	86		83	23	ug/kg	1	
Hexachlorobenzene	118-74-1	8270D	ND		83	37	ug/kg	1	
Hexachlorobutadiene	87-68-3	8270D	ND		83	27	ug/kg	1	
Hexachlorocyclopentadiene	77-47-4	8270D	ND		430	61	ug/kg	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 113 of 202

Level 1 Report v2.1

Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.

Laboratory ID: PL18008-023

Description: D2(121714)

Matrix: Solid

Date Sampled: 12/17/2014

% Solids: 78.7 12/18/2014 2018

Date Received: 12/18/2014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	2	01/02/2015 1703	DRB1	12/29/2014 2057	64207

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Hexachloroethane	67-72-1	8270D	ND		83	22	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	390		83	24	ug/kg	1
Isophorone	78-59-1	8270D	ND		83	18	ug/kg	1
2-Methylnaphthalene	91-57-6	8270D	ND		83	25	ug/kg	1
2-Methylphenol	95-48-7	8270D	ND		83	15	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270D	ND		170	30	ug/kg	1
Naphthalene	91-20-3	8270D	ND		83	26	ug/kg	1
2-Nitroaniline	88-74-4	8270D	ND		170	57	ug/kg	1
3-Nitroaniline	99-09-2	8270D	ND		170	97	ug/kg	1
4-Nitroaniline	100-01-6	8270D	ND		170	48	ug/kg	1
Nitrobenzene	98-95-3	8270D	ND		83	13	ug/kg	1
2-Nitrophenol	88-75-5	8270D	ND		170	46	ug/kg	1
4-Nitrophenol	100-02-7	8270D	ND		430	240	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		83	32	ug/kg	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		83	21	ug/kg	1
Pentachlorophenol	87-86-5	8270D	ND		430	350	ug/kg	1
Phenanthrene	85-01-8	8270D	1200		83	22	ug/kg	1
Phenol	108-95-2	8270D	ND		83	23	ug/kg	1
Pyrene	129-00-0	8270D	1700		83	33	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		83	23	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		83	25	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		35	33-102
2-Fluorophenol	N	25	28-104
Nitrobenzene-d5		22	22-109
Phenol-d5		32	27-103
Terphenyl-d14		81	41-120
2,4,6-Tribromophenol		66	30-117

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 114 of 202

Level 1 Report v2.1

Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-023			
Description: D2(121714)				Matrix: Solid			
Date Sampled: 12/17/2014				% Solids: 78.7 12/18/2014 2018			
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8081B	10	01/07/2015 1303	MEM	12/29/2014 0930	64120

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		21	0.52	ug/kg	1
alpha-BHC	319-84-6	8081B	ND		21	0.56	ug/kg	1
beta-BHC	319-85-7	8081B	ND		21	0.45	ug/kg	1
delta-BHC	319-86-8	8081B	ND		21	0.26	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		21	0.93	ug/kg	1
alpha-Chlordane	5103-71-9	8081B	ND		21	0.35	ug/kg	1
gamma-Chlordane	5103-74-2	8081B	ND		21	0.31	ug/kg	1
4,4'-DDD	72-54-8	8081B	2.7	JP	21	0.45	ug/kg	1
4,4'-DDE	72-55-9	8081B	ND		21	4.0	ug/kg	1
4,4'-DDT	50-29-3	8081B	4.1	JP	21	0.87	ug/kg	1
Dieldrin	60-57-1	8081B	0.78	JP	21	0.35	ug/kg	1
Endosulfan I	959-98-8	8081B	ND		21	0.51	ug/kg	1
Endosulfan II	33213-65-9	8081B	0.76	JP	21	0.40	ug/kg	1
Endosulfan sulfate	1031-07-8	8081B	5.3	JP	21	0.46	ug/kg	1
Endrin	72-20-8	8081B	2.0	JP	21	0.27	ug/kg	1
Endrin aldehyde	7421-93-4	8081B	2.4	JP	21	0.45	ug/kg	1
Endrin ketone	53494-70-5	8081B	4.5	JP	21	0.45	ug/kg	1
Heptachlor	76-44-8	8081B	ND		21	0.71	ug/kg	1
Heptachlor epoxide	1024-57-3	8081B	ND		21	0.45	ug/kg	1
Methoxychlor	72-43-5	8081B	17	JP	83	0.83	ug/kg	1
Toxaphene	8001-35-2	8081B	ND		1000	21	ug/kg	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
Decachlorobiphenyl	N	124	57-110					
Tetrachloro-m-xylene		65	37-91					

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

RCRA Metals

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-023			
Description: D2(121714)				Matrix: Solid			
Date Sampled: 12/17/2014				% Solids: 78.7 12/18/2014 2018			
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	7471B	7471B	1	12/31/2014 1244	COH	12/30/2014 1244	64167
1	3050B	6010C	1	12/26/2014 1923	RKT	12/23/2014 0901	63790
2	3050B	6010C	1	12/31/2014 1426	ECS	12/23/2014 0901	63790

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	0.56	J	0.61	0.23	mg/kg	2
Barium	7440-39-3	6010C	10		1.6	0.11	mg/kg	1
Cadmium	7440-43-9	6010C	0.21		0.12	0.013	mg/kg	1
Chromium	7440-47-3	6010C	4.8		0.31	0.062	mg/kg	1
Lead	7439-92-1	6010C	6.2		0.61	0.11	mg/kg	1
Mercury	7439-97-6	7471B	ND		0.10	0.0073	mg/kg	1
Selenium	7782-49-2	6010C	ND		0.61	0.21	mg/kg	2
Silver	7440-22-4	6010C	ND		0.31	0.051	mg/kg	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: PL18008-024			
Description: TRIP BLANK				Matrix: Aqueous			
Date Sampled: 12/16/2014							
Date Received: 12/18/2014							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/22/2014 1644	DCS		63707

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	0.43	J	1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.	Laboratory ID: PL18008-024
Description: TRIP BLANK	Matrix: Aqueous
Date Sampled: 12/16/2014	
Date Received: 12/18/2014	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		106	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

QC Summary

Inorganic non-metals - MB

Sample ID: PQ63424-001

Matrix: Aqueous

Batch: 63424

Analytical Method: 7196A

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Hexavalent Chromium	ND		1	0.020	0.0081	mg/L	12/18/2014 1324

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 120 of 202
Level 1 Report v2.1

Inorganic non-metals - LCS

Sample ID: PQ63424-002

Matrix: Aqueous

Batch: 63424

Analytical Method: 7196A

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Hexavalent Chromium	0.10	0.098		1	98	90-110	12/18/2014 1324

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 121 of 202

Level 1 Report v2.1

Inorganic non-metals - MS

Sample ID: PL18008-012MS

Matrix: Aqueous

Batch: 63424

Analytical Method: 7196A

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Hexavalent Chromium	ND	0.10	0.076		1	76	75-125	12/18/2014 1341

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 122 of 202
Level 1 Report v2.1

Inorganic non-metals - MSD

Sample ID: PL18008-012MD

Matrix: Aqueous

Batch: 63424

Analytical Method: 7196A

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Hexavalent Chromium	ND	0.10	0.079		1	79	3.3	75-125	20	12/18/2014 1341

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - MS

Sample ID: PL18008-018MS

Matrix: Aqueous

Batch: 63424

Analytical Method: 7196A

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Hexavalent Chromium	ND	0.10	0.094		1	94	75-125	12/18/2014 1324

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 124 of 202

Level 1 Report v2.1

Inorganic non-metals - MSD

Sample ID: PL18008-018MD

Matrix: Aqueous

Batch: 63424

Analytical Method: 7196A

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Hexavalent Chromium	ND	0.10	0.095		1	95	0.92	75-125	20	12/18/2014 1324

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - MB

Sample ID: PQ63430-001

Matrix: Aqueous

Batch: 63430

Analytical Method: 7196A

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Hexavalent Chromium - Dissolved	ND		1	0.020	0.0081	mg/L	12/18/2014 1324

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - LCS

Sample ID: PQ63430-002

Matrix: Aqueous

Batch: 63430

Analytical Method: 7196A

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Hexavalent Chromium - Dissolved	0.10	0.098		1	98	90-110	12/18/2014 1324

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - MS

Sample ID: PL18008-012MS

Matrix: Aqueous

Batch: 63430

Analytical Method: 7196A

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Hexavalent Chromium - Dissolved	ND	0.10	0.0017	N	1	1.7	75-125	12/18/2014 1341

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Page: 128 of 202
Level 1 Report v2.1

Inorganic non-metals - MSD

Sample ID: PL18008-012MD

Matrix: Aqueous

Batch: 63430

Analytical Method: 7196A

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Hexavalent Chromium - Dissolved	ND	0.10	0.0020	N	1	2.0	13	75-125	20	12/18/2014 1341

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ63558-001

Matrix: Solid

Batch: 63558

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	12/19/2014 1210
Benzene	ND		1	5.0	1.1	ug/kg	12/19/2014 1210
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	12/19/2014 1210
Bromoform	ND		1	5.0	0.70	ug/kg	12/19/2014 1210
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	12/19/2014 1210
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	12/19/2014 1210
Carbon disulfide	ND		1	5.0	1.3	ug/kg	12/19/2014 1210
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	12/19/2014 1210
Chlorobenzene	ND		1	5.0	1.7	ug/kg	12/19/2014 1210
Chloroethane	ND		1	5.0	1.3	ug/kg	12/19/2014 1210
Chloroform	ND		1	5.0	0.83	ug/kg	12/19/2014 1210
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	12/19/2014 1210
Cyclohexane	ND		1	5.0	0.67	ug/kg	12/19/2014 1210
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	12/19/2014 1210
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	12/19/2014 1210
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	12/19/2014 1210
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/19/2014 1210
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/19/2014 1210
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/19/2014 1210
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	12/19/2014 1210
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	12/19/2014 1210
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	12/19/2014 1210
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	12/19/2014 1210
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	12/19/2014 1210
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	12/19/2014 1210
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	12/19/2014 1210
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	12/19/2014 1210
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	12/19/2014 1210
Ethylbenzene	ND		1	5.0	1.7	ug/kg	12/19/2014 1210
2-Hexanone	1.5	J	1	10	1.3	ug/kg	12/19/2014 1210
Isopropylbenzene	ND		1	5.0	0.23	ug/kg	12/19/2014 1210
Methyl acetate	ND		1	5.0	0.98	ug/kg	12/19/2014 1210
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	12/19/2014 1210
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	12/19/2014 1210
Methylcyclohexane	ND		1	5.0	0.41	ug/kg	12/19/2014 1210
Methylene chloride	ND		1	5.0	2.6	ug/kg	12/19/2014 1210
Styrene	ND		1	5.0	1.1	ug/kg	12/19/2014 1210
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	12/19/2014 1210
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	12/19/2014 1210
Toluene	ND		1	5.0	1.7	ug/kg	12/19/2014 1210
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.63	ug/kg	12/19/2014 1210
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	12/19/2014 1210
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	12/19/2014 1210
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	12/19/2014 1210

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ63558-001

Matrix: Solid

Batch: 63558

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	12/19/2014 1210
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	12/19/2014 1210
Vinyl chloride	ND		1	5.0	0.86	ug/kg	12/19/2014 1210
Xylenes (total)	ND		1	5.0	2.9	ug/kg	12/19/2014 1210
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		88	47-138				
1,2-Dichloroethane-d4		93	53-142				
Toluene-d8		93	68-124				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ63558-002

Matrix: Solid

Batch: 63558

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	130		1	130	60-140	12/19/2014 1109
Benzene	50	54		1	109	69-123	12/19/2014 1109
Bromodichloromethane	50	52		1	104	69-121	12/19/2014 1109
Bromoform	50	51		1	101	61-119	12/19/2014 1109
Bromomethane (Methyl bromide)	50	57		1	114	10-168	12/19/2014 1109
2-Butanone (MEK)	100	110		1	111	57-148	12/19/2014 1109
Carbon disulfide	50	60		1	119	58-122	12/19/2014 1109
Carbon tetrachloride	50	57		1	113	58-136	12/19/2014 1109
Chlorobenzene	50	52		1	104	59-129	12/19/2014 1109
Chloroethane	50	57		1	113	42-163	12/19/2014 1109
Chloroform	50	55		1	111	71-125	12/19/2014 1109
Chloromethane (Methyl chloride)	50	59		1	117	34-134	12/19/2014 1109
Cyclohexane	50	54		1	108	53-139	12/19/2014 1109
1,2-Dibromo-3-chloropropane (DBCP)	50	51		1	103	55-125	12/19/2014 1109
Dibromochloromethane	50	50		1	101	66-119	12/19/2014 1109
1,2-Dibromoethane (EDB)	50	50		1	100	74-124	12/19/2014 1109
1,2-Dichlorobenzene	50	52		1	105	57-131	12/19/2014 1109
1,4-Dichlorobenzene	50	50		1	101	52-133	12/19/2014 1109
1,3-Dichlorobenzene	50	53		1	106	51-134	12/19/2014 1109
Dichlorodifluoromethane	50	64		1	129	10-157	12/19/2014 1109
1,2-Dichloroethane	50	53		1	105	67-129	12/19/2014 1109
1,1-Dichloroethane	50	57		1	113	71-127	12/19/2014 1109
1,1-Dichloroethene	50	60		1	121	69-138	12/19/2014 1109
cis-1,2-Dichloroethene	50	58		1	115	70-122	12/19/2014 1109
trans-1,2-Dichloroethene	50	60		1	120	68-131	12/19/2014 1109
1,2-Dichloropropane	50	53		1	106	72-124	12/19/2014 1109
trans-1,3-Dichloropropene	50	52		1	105	70-124	12/19/2014 1109
cis-1,3-Dichloropropene	50	53		1	106	70-126	12/19/2014 1109
Ethylbenzene	50	53		1	106	59-128	12/19/2014 1109
2-Hexanone	100	110		1	105	54-137	12/19/2014 1109
Isopropylbenzene	50	55		1	110	50-136	12/19/2014 1109
Methyl acetate	50	57		1	114	59-137	12/19/2014 1109
Methyl tertiary butyl ether (MTBE)	50	56		1	113	70-130	12/19/2014 1109
4-Methyl-2-pentanone	100	110		1	105	60-134	12/19/2014 1109
Methylcyclohexane	50	61		1	121	41-144	12/19/2014 1109
Methylene chloride	50	55		1	110	70-130	12/19/2014 1109
Styrene	50	55		1	109	54-136	12/19/2014 1109
1,1,2,2-Tetrachloroethane	50	49		1	98	69-132	12/19/2014 1109
Tetrachloroethene	50	55		1	109	45-150	12/19/2014 1109
Toluene	50	55		1	109	61-129	12/19/2014 1109
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	64		1	129	49-136	12/19/2014 1109
1,2,4-Trichlorobenzene	50	54		1	108	34-145	12/19/2014 1109
1,1,1-Trichloroethane	50	58		1	115	63-128	12/19/2014 1109
1,1,2-Trichloroethane	50	50		1	99	55-128	12/19/2014 1109

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ63558-002

Matrix: Solid

Batch: 63558

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	55		1	109	62-126	12/19/2014 1109
Trichlorofluoromethane	50	56		1	112	45-138	12/19/2014 1109
Vinyl chloride	50	59		1	117	42-132	12/19/2014 1109
Xylenes (total)	100	110		1	110	58-128	12/19/2014 1109
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		88	47-138				
1,2-Dichloroethane-d4		86	53-142				
Toluene-d8		96	68-124				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ63634-001

Matrix: Solid

Batch: 63634

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	12/21/2014 1335
Benzene	ND		1	5.0	1.1	ug/kg	12/21/2014 1335
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	12/21/2014 1335
Bromoform	ND		1	5.0	0.70	ug/kg	12/21/2014 1335
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	12/21/2014 1335
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	12/21/2014 1335
Carbon disulfide	ND		1	5.0	1.3	ug/kg	12/21/2014 1335
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	12/21/2014 1335
Chlorobenzene	ND		1	5.0	1.7	ug/kg	12/21/2014 1335
Chloroethane	ND		1	5.0	1.3	ug/kg	12/21/2014 1335
Chloroform	ND		1	5.0	0.83	ug/kg	12/21/2014 1335
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	12/21/2014 1335
Cyclohexane	ND		1	5.0	0.67	ug/kg	12/21/2014 1335
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	12/21/2014 1335
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	12/21/2014 1335
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	12/21/2014 1335
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/21/2014 1335
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/21/2014 1335
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/21/2014 1335
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	12/21/2014 1335
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	12/21/2014 1335
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	12/21/2014 1335
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	12/21/2014 1335
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	12/21/2014 1335
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	12/21/2014 1335
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	12/21/2014 1335
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	12/21/2014 1335
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	12/21/2014 1335
Ethylbenzene	ND		1	5.0	1.7	ug/kg	12/21/2014 1335
2-Hexanone	2.0	J	1	10	1.3	ug/kg	12/21/2014 1335
Isopropylbenzene	ND		1	5.0	0.23	ug/kg	12/21/2014 1335
Methyl acetate	ND		1	5.0	0.98	ug/kg	12/21/2014 1335
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	12/21/2014 1335
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	12/21/2014 1335
Methylcyclohexane	ND		1	5.0	0.41	ug/kg	12/21/2014 1335
Methylene chloride	ND		1	5.0	2.6	ug/kg	12/21/2014 1335
Styrene	ND		1	5.0	1.1	ug/kg	12/21/2014 1335
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	12/21/2014 1335
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	12/21/2014 1335
Toluene	ND		1	5.0	1.7	ug/kg	12/21/2014 1335
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.63	ug/kg	12/21/2014 1335
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	12/21/2014 1335
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	12/21/2014 1335
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	12/21/2014 1335

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ63634-001

Matrix: Solid

Batch: 63634

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	12/21/2014 1335
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	12/21/2014 1335
Vinyl chloride	ND		1	5.0	0.86	ug/kg	12/21/2014 1335
Xylenes (total)	ND		1	5.0	2.9	ug/kg	12/21/2014 1335
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		101	47-138				
1,2-Dichloroethane-d4		96	53-142				
Toluene-d8		96	68-124				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ63634-002

Matrix: Solid

Batch: 63634

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	130		1	126	60-140	12/21/2014 1239
Benzene	50	47		1	95	69-123	12/21/2014 1239
Bromodichloromethane	50	47		1	95	69-121	12/21/2014 1239
Bromoform	50	48		1	96	61-119	12/21/2014 1239
Bromomethane (Methyl bromide)	50	53		1	106	10-168	12/21/2014 1239
2-Butanone (MEK)	100	110		1	106	57-148	12/21/2014 1239
Carbon disulfide	50	49		1	97	58-122	12/21/2014 1239
Carbon tetrachloride	50	48		1	95	58-136	12/21/2014 1239
Chlorobenzene	50	46		1	92	59-129	12/21/2014 1239
Chloroethane	50	53		1	106	42-163	12/21/2014 1239
Chloroform	50	49		1	98	71-125	12/21/2014 1239
Chloromethane (Methyl chloride)	50	55		1	109	34-134	12/21/2014 1239
Cyclohexane	50	46		1	91	53-139	12/21/2014 1239
1,2-Dibromo-3-chloropropane (DBCP)	50	47		1	95	55-125	12/21/2014 1239
Dibromochloromethane	50	47		1	94	66-119	12/21/2014 1239
1,2-Dibromoethane (EDB)	50	47		1	93	74-124	12/21/2014 1239
1,4-Dichlorobenzene	50	46		1	92	52-133	12/21/2014 1239
1,2-Dichlorobenzene	50	46		1	92	57-131	12/21/2014 1239
1,3-Dichlorobenzene	50	47		1	93	51-134	12/21/2014 1239
Dichlorodifluoromethane	50	59		1	117	10-157	12/21/2014 1239
1,2-Dichloroethane	50	48		1	96	67-129	12/21/2014 1239
1,1-Dichloroethane	50	49		1	99	71-127	12/21/2014 1239
1,1-Dichloroethene	50	50		1	100	69-138	12/21/2014 1239
trans-1,2-Dichloroethene	50	50		1	100	68-131	12/21/2014 1239
cis-1,2-Dichloroethene	50	50		1	100	70-122	12/21/2014 1239
1,2-Dichloropropane	50	47		1	95	72-124	12/21/2014 1239
trans-1,3-Dichloropropene	50	47		1	94	70-124	12/21/2014 1239
cis-1,3-Dichloropropene	50	47		1	93	70-126	12/21/2014 1239
Ethylbenzene	50	46		1	92	59-128	12/21/2014 1239
2-Hexanone	100	100		1	103	54-137	12/21/2014 1239
Isopropylbenzene	50	46		1	92	50-136	12/21/2014 1239
Methyl acetate	50	56		1	113	59-137	12/21/2014 1239
Methyl tertiary butyl ether (MTBE)	50	50		1	100	70-130	12/21/2014 1239
4-Methyl-2-pentanone	100	100		1	102	60-134	12/21/2014 1239
Methylcyclohexane	50	49		1	98	41-144	12/21/2014 1239
Methylene chloride	50	50		1	99	70-130	12/21/2014 1239
Styrene	50	49		1	99	54-136	12/21/2014 1239
1,1,2,2-Tetrachloroethane	50	47		1	94	69-132	12/21/2014 1239
Tetrachloroethene	50	47		1	94	45-150	12/21/2014 1239
Toluene	50	46		1	92	61-129	12/21/2014 1239
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	52		1	105	49-136	12/21/2014 1239
1,2,4-Trichlorobenzene	50	43		1	87	34-145	12/21/2014 1239
1,1,1-Trichloroethane	50	48		1	96	63-128	12/21/2014 1239
1,1,2-Trichloroethane	50	47		1	94	55-128	12/21/2014 1239

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ63634-002

Matrix: Solid

Batch: 63634

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	47		1	94	62-126	12/21/2014 1239
Trichlorofluoromethane	50	52		1	104	45-138	12/21/2014 1239
Vinyl chloride	50	53		1	106	42-132	12/21/2014 1239
Xylenes (total)	100	96		1	96	58-128	12/21/2014 1239
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		107	47-138				
1,2-Dichloroethane-d4		105	53-142				
Toluene-d8		110	68-124				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ63640-001

Matrix: Aqueous

Batch: 63640

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	12/21/2014 1340
Benzene	ND		1	1.0	0.13	ug/L	12/21/2014 1340
Bromodichloromethane	ND		1	1.0	0.33	ug/L	12/21/2014 1340
Bromoform	ND		1	1.0	0.66	ug/L	12/21/2014 1340
Bromomethane (Methyl bromide)	ND		1	2.0	0.80	ug/L	12/21/2014 1340
2-Butanone (MEK)	ND		1	10	2.0	ug/L	12/21/2014 1340
Carbon disulfide	ND		1	1.0	0.097	ug/L	12/21/2014 1340
Carbon tetrachloride	ND		1	1.0	0.14	ug/L	12/21/2014 1340
Chlorobenzene	ND		1	2.0	0.33	ug/L	12/21/2014 1340
Chloroethane	ND		1	2.0	0.47	ug/L	12/21/2014 1340
Chloroform	ND		1	1.0	0.33	ug/L	12/21/2014 1340
Chloromethane (Methyl chloride)	ND		1	1.0	0.35	ug/L	12/21/2014 1340
Dibromochloromethane	ND		1	1.0	0.33	ug/L	12/21/2014 1340
1,2-Dichlorobenzene	ND		1	1.0	0.33	ug/L	12/21/2014 1340
1,3-Dichlorobenzene	ND		1	1.0	0.33	ug/L	12/21/2014 1340
1,4-Dichlorobenzene	ND		1	1.0	0.33	ug/L	12/21/2014 1340
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	12/21/2014 1340
1,1-Dichloroethane	ND		1	1.0	0.13	ug/L	12/21/2014 1340
trans-1,2-Dichloroethene	ND		1	1.0	0.21	ug/L	12/21/2014 1340
1,1-Dichloroethene	ND		1	1.0	0.16	ug/L	12/21/2014 1340
cis-1,2-Dichloroethene	ND		1	1.0	0.12	ug/L	12/21/2014 1340
1,2-Dichloropropane	ND		1	1.0	0.19	ug/L	12/21/2014 1340
cis-1,3-Dichloropropene	ND		1	1.0	0.092	ug/L	12/21/2014 1340
trans-1,3-Dichloropropene	ND		1	1.0	0.11	ug/L	12/21/2014 1340
Ethylbenzene	ND		1	1.0	0.33	ug/L	12/21/2014 1340
2-Hexanone	ND		1	10	0.27	ug/L	12/21/2014 1340
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	12/21/2014 1340
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	12/21/2014 1340
Methylene chloride	ND		1	1.0	0.33	ug/L	12/21/2014 1340
Styrene	ND		1	1.0	0.12	ug/L	12/21/2014 1340
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.16	ug/L	12/21/2014 1340
Tetrachloroethene	ND		1	1.0	0.13	ug/L	12/21/2014 1340
Toluene	ND		1	1.0	0.33	ug/L	12/21/2014 1340
1,2,4-Trichlorobenzene	ND		1	1.0	0.51	ug/L	12/21/2014 1340
1,1,2-Trichloroethane	ND		1	1.0	0.21	ug/L	12/21/2014 1340
1,1,1-Trichloroethane	ND		1	1.0	0.074	ug/L	12/21/2014 1340
Trichloroethene	ND		1	1.0	0.18	ug/L	12/21/2014 1340
Vinyl chloride	ND		1	1.0	0.054	ug/L	12/21/2014 1340
Xylenes (total)	ND		1	1.0	0.33	ug/L	12/21/2014 1340
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		104	70-130				
1,2-Dichloroethane-d4		104	70-130				
Toluene-d8		108	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ63640-002

Matrix: Aqueous

Batch: 63640

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	97		1	97	60-140	12/21/2014 1253
Benzene	50	52		1	105	70-130	12/21/2014 1253
Bromodichloromethane	50	53		1	107	70-130	12/21/2014 1253
Bromoform	50	49		1	97	70-130	12/21/2014 1253
Bromomethane (Methyl bromide)	50	48		1	96	60-140	12/21/2014 1253
2-Butanone (MEK)	100	97		1	97	60-140	12/21/2014 1253
Carbon disulfide	50	53		1	106	60-140	12/21/2014 1253
Carbon tetrachloride	50	55		1	109	70-130	12/21/2014 1253
Chlorobenzene	50	51		1	102	70-130	12/21/2014 1253
Chloroethane	50	51		1	102	42-163	12/21/2014 1253
Chloroform	50	50		1	101	70-130	12/21/2014 1253
Chloromethane (Methyl chloride)	50	53		1	107	60-140	12/21/2014 1253
Dibromochloromethane	50	52		1	104	70-130	12/21/2014 1253
1,2-Dichlorobenzene	50	51		1	102	70-130	12/21/2014 1253
1,3-Dichlorobenzene	50	51		1	103	70-130	12/21/2014 1253
1,4-Dichlorobenzene	50	49		1	97	70-130	12/21/2014 1253
1,2-Dichloroethane	50	49		1	98	70-130	12/21/2014 1253
1,1-Dichloroethane	50	51		1	101	70-130	12/21/2014 1253
trans-1,2-Dichloroethene	50	52		1	104	70-130	12/21/2014 1253
1,1-Dichloroethene	50	53		1	105	70-130	12/21/2014 1253
cis-1,2-Dichloroethene	50	49		1	99	70-130	12/21/2014 1253
1,2-Dichloropropane	50	53		1	106	70-130	12/21/2014 1253
cis-1,3-Dichloropropene	50	56		1	112	70-130	12/21/2014 1253
trans-1,3-Dichloropropene	50	54		1	107	70-130	12/21/2014 1253
Ethylbenzene	50	53		1	105	70-130	12/21/2014 1253
2-Hexanone	100	100		1	103	60-140	12/21/2014 1253
Methyl tertiary butyl ether (MTBE)	50	49		1	97	70-130	12/21/2014 1253
4-Methyl-2-pentanone	100	99		1	99	60-140	12/21/2014 1253
Methylene chloride	50	47		1	95	70-130	12/21/2014 1253
Styrene	50	54		1	108	70-130	12/21/2014 1253
1,1,2,2-Tetrachloroethane	50	49		1	97	60-140	12/21/2014 1253
Tetrachloroethene	50	52		1	103	70-130	12/21/2014 1253
Toluene	50	55		1	110	70-130	12/21/2014 1253
1,2,4-Trichlorobenzene	50	51		1	102	70-130	12/21/2014 1253
1,1,2-Trichloroethane	50	50		1	99	70-130	12/21/2014 1253
1,1,1-Trichloroethane	50	52		1	104	70-130	12/21/2014 1253
Trichloroethene	50	52		1	104	70-130	12/21/2014 1253
Vinyl chloride	50	53		1	107	70-130	12/21/2014 1253
Xylenes (total)	100	100		1	104	70-130	12/21/2014 1253
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		101	70-130				
1,2-Dichloroethane-d4		98	70-130				
Toluene-d8		110	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ63707-001

Matrix: Aqueous

Batch: 63707

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	12/22/2014 1202
Benzene	ND		1	1.0	0.13	ug/L	12/22/2014 1202
Bromodichloromethane	ND		1	1.0	0.33	ug/L	12/22/2014 1202
Bromoform	ND		1	1.0	0.66	ug/L	12/22/2014 1202
Bromomethane (Methyl bromide)	ND		1	2.0	0.80	ug/L	12/22/2014 1202
2-Butanone (MEK)	ND		1	10	2.0	ug/L	12/22/2014 1202
Carbon disulfide	ND		1	1.0	0.097	ug/L	12/22/2014 1202
Carbon tetrachloride	ND		1	1.0	0.14	ug/L	12/22/2014 1202
Chlorobenzene	ND		1	2.0	0.33	ug/L	12/22/2014 1202
Chloroethane	ND		1	2.0	0.47	ug/L	12/22/2014 1202
Chloroform	ND		1	1.0	0.33	ug/L	12/22/2014 1202
Chloromethane (Methyl chloride)	ND		1	1.0	0.35	ug/L	12/22/2014 1202
Dibromochloromethane	ND		1	1.0	0.33	ug/L	12/22/2014 1202
1,2-Dichlorobenzene	ND		1	1.0	0.33	ug/L	12/22/2014 1202
1,4-Dichlorobenzene	ND		1	1.0	0.33	ug/L	12/22/2014 1202
1,3-Dichlorobenzene	ND		1	1.0	0.33	ug/L	12/22/2014 1202
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	12/22/2014 1202
1,1-Dichloroethane	ND		1	1.0	0.13	ug/L	12/22/2014 1202
1,1-Dichloroethene	ND		1	1.0	0.16	ug/L	12/22/2014 1202
cis-1,2-Dichloroethene	ND		1	1.0	0.12	ug/L	12/22/2014 1202
trans-1,2-Dichloroethene	ND		1	1.0	0.21	ug/L	12/22/2014 1202
1,2-Dichloropropane	ND		1	1.0	0.19	ug/L	12/22/2014 1202
cis-1,3-Dichloropropene	ND		1	1.0	0.092	ug/L	12/22/2014 1202
trans-1,3-Dichloropropene	ND		1	1.0	0.11	ug/L	12/22/2014 1202
Ethylbenzene	ND		1	1.0	0.33	ug/L	12/22/2014 1202
2-Hexanone	ND		1	10	0.27	ug/L	12/22/2014 1202
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	12/22/2014 1202
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	12/22/2014 1202
Methylene chloride	ND		1	1.0	0.33	ug/L	12/22/2014 1202
Styrene	ND		1	1.0	0.12	ug/L	12/22/2014 1202
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.16	ug/L	12/22/2014 1202
Tetrachloroethene	ND		1	1.0	0.13	ug/L	12/22/2014 1202
Toluene	ND		1	1.0	0.33	ug/L	12/22/2014 1202
1,2,4-Trichlorobenzene	ND		1	1.0	0.51	ug/L	12/22/2014 1202
1,1,1-Trichloroethane	ND		1	1.0	0.074	ug/L	12/22/2014 1202
1,1,2-Trichloroethane	ND		1	1.0	0.21	ug/L	12/22/2014 1202
Trichloroethene	ND		1	1.0	0.18	ug/L	12/22/2014 1202
Vinyl chloride	ND		1	1.0	0.054	ug/L	12/22/2014 1202
Xylenes (total)	ND		1	1.0	0.33	ug/L	12/22/2014 1202
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		109	70-130				
1,2-Dichloroethane-d4		108	70-130				
Toluene-d8		105	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ63707-002

Matrix: Aqueous

Batch: 63707

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	130		1	128	60-140	12/22/2014 1058
Benzene	50	51		1	101	70-130	12/22/2014 1058
Bromodichloromethane	50	47		1	93	70-130	12/22/2014 1058
Bromoform	50	47		1	95	70-130	12/22/2014 1058
Bromomethane (Methyl bromide)	50	51		1	102	60-140	12/22/2014 1058
2-Butanone (MEK)	100	110		1	105	60-140	12/22/2014 1058
Carbon disulfide	50	50		1	99	60-140	12/22/2014 1058
Carbon tetrachloride	50	46		1	93	70-130	12/22/2014 1058
Chlorobenzene	50	50		1	99	70-130	12/22/2014 1058
Chloroethane	50	49		1	98	42-163	12/22/2014 1058
Chloroform	50	50		1	101	70-130	12/22/2014 1058
Chloromethane (Methyl chloride)	50	52		1	104	60-140	12/22/2014 1058
Dibromochloromethane	50	47		1	94	70-130	12/22/2014 1058
1,2-Dichlorobenzene	50	49		1	99	70-130	12/22/2014 1058
1,4-Dichlorobenzene	50	50		1	100	70-130	12/22/2014 1058
1,3-Dichlorobenzene	50	50		1	100	70-130	12/22/2014 1058
1,2-Dichloroethane	50	52		1	103	70-130	12/22/2014 1058
1,1-Dichloroethane	50	52		1	103	70-130	12/22/2014 1058
1,1-Dichloroethene	50	48		1	97	70-130	12/22/2014 1058
cis-1,2-Dichloroethene	50	51		1	102	70-130	12/22/2014 1058
trans-1,2-Dichloroethene	50	51		1	103	70-130	12/22/2014 1058
1,2-Dichloropropane	50	47		1	93	70-130	12/22/2014 1058
cis-1,3-Dichloropropene	50	53		1	105	70-130	12/22/2014 1058
trans-1,3-Dichloropropene	50	47		1	95	70-130	12/22/2014 1058
Ethylbenzene	50	51		1	101	70-130	12/22/2014 1058
2-Hexanone	100	98		1	98	60-140	12/22/2014 1058
Methyl tertiary butyl ether (MTBE)	50	53		1	105	70-130	12/22/2014 1058
4-Methyl-2-pentanone	100	96		1	96	60-140	12/22/2014 1058
Methylene chloride	50	50		1	99	70-130	12/22/2014 1058
Styrene	50	50		1	100	70-130	12/22/2014 1058
1,1,2,2-Tetrachloroethane	50	52		1	105	60-140	12/22/2014 1058
Tetrachloroethene	50	46		1	92	70-130	12/22/2014 1058
Toluene	50	44		1	89	70-130	12/22/2014 1058
1,2,4-Trichlorobenzene	50	49		1	98	70-130	12/22/2014 1058
1,1,1-Trichloroethane	50	47		1	94	70-130	12/22/2014 1058
1,1,2-Trichloroethane	50	50		1	100	70-130	12/22/2014 1058
Trichloroethene	50	45		1	91	70-130	12/22/2014 1058
Vinyl chloride	50	52		1	104	70-130	12/22/2014 1058
Xylenes (total)	100	100		1	100	70-130	12/22/2014 1058
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		106	70-130				
1,2-Dichloroethane-d4		107	70-130				
Toluene-d8		108	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PL18008-008MS

Matrix: Aqueous

Batch: 63707

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	ND	100	120		1	116	60-140	12/22/2014 1851
Benzene	0.87	50	56		1	111	72-127	12/22/2014 1851
Bromodichloromethane	ND	50	50		1	100	71-143	12/22/2014 1851
Bromoform	ND	50	48		1	96	65-131	12/22/2014 1851
Bromomethane (Methyl bromide)	ND	50	56		1	112	36-168	12/22/2014 1851
2-Butanone (MEK)	ND	100	100		1	101	60-140	12/22/2014 1851
Carbon disulfide	0.33	50	60		1	118	60-140	12/22/2014 1851
Carbon tetrachloride	ND	50	53		1	106	37-166	12/22/2014 1851
Chlorobenzene	ND	50	53		1	105	78-129	12/22/2014 1851
Chloroethane	ND	50	56		1	111	60-140	12/22/2014 1851
Chloroform	ND	50	56		1	111	63-123	12/22/2014 1851
Chloromethane (Methyl chloride)	ND	50	59		1	119	20-158	12/22/2014 1851
Dibromochloromethane	ND	50	49		1	98	74-134	12/22/2014 1851
1,4-Dichlorobenzene	ND	50	51		1	102	70-130	12/22/2014 1851
1,3-Dichlorobenzene	ND	50	52		1	104	70-130	12/22/2014 1851
1,2-Dichlorobenzene	ND	50	51		1	102	70-130	12/22/2014 1851
1,2-Dichloroethane	ND	50	56		1	112	59-143	12/22/2014 1851
1,1-Dichloroethane	ND	50	59		1	117	69-132	12/22/2014 1851
trans-1,2-Dichloroethene	ND	50	59		1	117	67-141	12/22/2014 1851
cis-1,2-Dichloroethene	0.39	50	57		1	114	70-130	12/22/2014 1851
1,1-Dichloroethene	ND	50	57		1	114	50-132	12/22/2014 1851
1,2-Dichloropropane	ND	50	50		1	100	71-126	12/22/2014 1851
trans-1,3-Dichloropropene	ND	50	48		1	96	73-131	12/22/2014 1851
cis-1,3-Dichloropropene	ND	50	54		1	108	69-130	12/22/2014 1851
Ethylbenzene	ND	50	55		1	109	79-132	12/22/2014 1851
2-Hexanone	ND	100	100		1	102	60-140	12/22/2014 1851
Methyl tertiary butyl ether (MTBE)	ND	50	57		1	113	60-140	12/22/2014 1851
4-Methyl-2-pentanone	ND	100	98		1	98	60-140	12/22/2014 1851
Methylene chloride	ND	50	55		1	111	69-129	12/22/2014 1851
Styrene	ND	50	52		1	104	70-130	12/22/2014 1851
1,1,2,2-Tetrachloroethane	ND	50	53		1	106	60-155	12/22/2014 1851
Tetrachloroethene	ND	50	51		1	101	70-130	12/22/2014 1851
Toluene	ND	50	48		1	96	75-125	12/22/2014 1851
1,2,4-Trichlorobenzene	ND	50	49		1	97	70-130	12/22/2014 1851
1,1,2-Trichloroethane	ND	50	53		1	106	77-132	12/22/2014 1851
1,1,1-Trichloroethane	ND	50	56		1	111	77-132	12/22/2014 1851
Trichloroethene	ND	50	50		1	100	73-124	12/22/2014 1851
Vinyl chloride	0.34	50	61		1	121	29-159	12/22/2014 1851
Xylenes (total)	ND	100	110		1	107	70-130	12/22/2014 1851
Surrogate	Q	% Rec	Acceptance Limit					
1,2-Dichloroethane-d4		103	70-130					
Bromofluorobenzene		102	70-130					
Toluene-d8		105	70-130					

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PL18008-008MD

Matrix: Aqueous

Batch: 63707

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	ND	100	120		1	117	0.97	60-140	20	12/22/2014 1912
Benzene	0.87	50	58		1	114	2.4	72-127	20	12/22/2014 1912
Bromodichloromethane	ND	50	51		1	101	1.9	71-143	20	12/22/2014 1912
Bromoform	ND	50	48		1	95	0.29	65-131	20	12/22/2014 1912
Bromomethane (Methyl bromide)	ND	50	58		1	116	3.6	36-168	20	12/22/2014 1912
2-Butanone (MEK)	ND	100	100		1	101	0.059	60-140	20	12/22/2014 1912
Carbon disulfide	0.33	50	63		1	125	5.3	60-140	20	12/22/2014 1912
Carbon tetrachloride	ND	50	55		1	110	3.4	37-166	20	12/22/2014 1912
Chlorobenzene	ND	50	55		1	109	3.7	78-129	20	12/22/2014 1912
Chloroethane	ND	50	58		1	116	4.2	60-140	20	12/22/2014 1912
Chloroform	ND	50	58		1	116	4.1	63-123	20	12/22/2014 1912
Chloromethane (Methyl chloride)	ND	50	60		1	120	1.6	20-158	20	12/22/2014 1912
Dibromochloromethane	ND	50	50		1	101	2.8	74-134	20	12/22/2014 1912
1,4-Dichlorobenzene	ND	50	53		1	106	4.1	70-130	20	12/22/2014 1912
1,3-Dichlorobenzene	ND	50	54		1	109	4.8	70-130	20	12/22/2014 1912
1,2-Dichlorobenzene	ND	50	54		1	108	5.4	70-130	20	12/22/2014 1912
1,2-Dichloroethane	ND	50	58		1	115	2.5	59-143	20	12/22/2014 1912
1,1-Dichloroethane	ND	50	60		1	120	2.4	69-132	20	12/22/2014 1912
trans-1,2-Dichloroethene	ND	50	61		1	122	3.9	67-141	20	12/22/2014 1912
cis-1,2-Dichloroethene	0.39	50	59		1	117	2.8	70-130	20	12/22/2014 1912
1,1-Dichloroethene	ND	50	58		1	115	1.3	50-132	20	12/22/2014 1912
1,2-Dichloropropane	ND	50	51		1	102	1.7	71-126	20	12/22/2014 1912
trans-1,3-Dichloropropene	ND	50	49		1	97	1.1	73-131	20	12/22/2014 1912
cis-1,3-Dichloropropene	ND	50	55		1	110	1.9	69-130	20	12/22/2014 1912
Ethylbenzene	ND	50	56		1	113	3.2	79-132	20	12/22/2014 1912
2-Hexanone	ND	100	100		1	102	0.71	60-140	20	12/22/2014 1912
Methyl tertiary butyl ether (MTBE)	ND	50	58		1	117	3.2	60-140	20	12/22/2014 1912
4-Methyl-2-pentanone	ND	100	98		1	98	0.098	60-140	20	12/22/2014 1912
Methylene chloride	ND	50	57		1	114	2.3	69-129	20	12/22/2014 1912
Styrene	ND	50	53		1	106	2.0	70-130	20	12/22/2014 1912
1,1,2,2-Tetrachloroethane	ND	50	56		1	111	4.9	60-155	20	12/22/2014 1912
Tetrachloroethene	ND	50	53		1	105	3.8	70-130	20	12/22/2014 1912
Toluene	ND	50	49		1	98	2.2	75-125	20	12/22/2014 1912
1,2,4-Trichlorobenzene	ND	50	52		1	105	7.3	70-130	20	12/22/2014 1912
1,1,2-Trichloroethane	ND	50	54		1	109	2.3	77-132	20	12/22/2014 1912
1,1,1-Trichloroethane	ND	50	58		1	116	3.7	77-132	20	12/22/2014 1912
Trichloroethene	ND	50	52		1	103	3.5	73-124	20	12/22/2014 1912
Vinyl chloride	0.34	50	63		1	125	3.0	29-159	20	12/22/2014 1912
Xylenes (total)	ND	100	110		1	111	3.4	70-130	20	12/22/2014 1912
Surrogate	Q	% Rec	Acceptance Limit							
1,2-Dichloroethane-d4		107	70-130							
Bromofluorobenzene		107	70-130							
Toluene-d8		107	70-130							

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ63929-001

Matrix: Aqueous

Batch: 63929

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	12/24/2014 1037
Benzene	ND		1	1.0	0.13	ug/L	12/24/2014 1037
Bromodichloromethane	ND		1	1.0	0.33	ug/L	12/24/2014 1037
Bromoform	ND		1	1.0	0.66	ug/L	12/24/2014 1037
Bromomethane (Methyl bromide)	ND		1	2.0	0.80	ug/L	12/24/2014 1037
2-Butanone (MEK)	ND		1	10	2.0	ug/L	12/24/2014 1037
Carbon disulfide	ND		1	1.0	0.097	ug/L	12/24/2014 1037
Carbon tetrachloride	ND		1	1.0	0.14	ug/L	12/24/2014 1037
Chlorobenzene	ND		1	2.0	0.33	ug/L	12/24/2014 1037
Chloroethane	ND		1	2.0	0.47	ug/L	12/24/2014 1037
Chloroform	ND		1	1.0	0.33	ug/L	12/24/2014 1037
Chloromethane (Methyl chloride)	ND		1	1.0	0.35	ug/L	12/24/2014 1037
Dibromochloromethane	ND		1	1.0	0.33	ug/L	12/24/2014 1037
1,4-Dichlorobenzene	ND		1	1.0	0.33	ug/L	12/24/2014 1037
1,2-Dichlorobenzene	ND		1	1.0	0.33	ug/L	12/24/2014 1037
1,3-Dichlorobenzene	ND		1	1.0	0.33	ug/L	12/24/2014 1037
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	12/24/2014 1037
1,1-Dichloroethane	ND		1	1.0	0.13	ug/L	12/24/2014 1037
cis-1,2-Dichloroethene	ND		1	1.0	0.12	ug/L	12/24/2014 1037
1,1-Dichloroethene	ND		1	1.0	0.16	ug/L	12/24/2014 1037
trans-1,2-Dichloroethene	ND		1	1.0	0.21	ug/L	12/24/2014 1037
1,2-Dichloropropane	ND		1	1.0	0.19	ug/L	12/24/2014 1037
cis-1,3-Dichloropropene	ND		1	1.0	0.092	ug/L	12/24/2014 1037
trans-1,3-Dichloropropene	ND		1	1.0	0.11	ug/L	12/24/2014 1037
Ethylbenzene	ND		1	1.0	0.33	ug/L	12/24/2014 1037
2-Hexanone	ND		1	10	0.27	ug/L	12/24/2014 1037
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	12/24/2014 1037
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	12/24/2014 1037
Methylene chloride	ND		1	1.0	0.33	ug/L	12/24/2014 1037
Styrene	ND		1	1.0	0.12	ug/L	12/24/2014 1037
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.16	ug/L	12/24/2014 1037
Tetrachloroethene	ND		1	1.0	0.13	ug/L	12/24/2014 1037
Toluene	ND		1	1.0	0.33	ug/L	12/24/2014 1037
1,2,4-Trichlorobenzene	ND		1	1.0	0.51	ug/L	12/24/2014 1037
1,1,2-Trichloroethane	ND		1	1.0	0.21	ug/L	12/24/2014 1037
1,1,1-Trichloroethane	ND		1	1.0	0.074	ug/L	12/24/2014 1037
Trichloroethene	ND		1	1.0	0.18	ug/L	12/24/2014 1037
Vinyl chloride	ND		1	1.0	0.054	ug/L	12/24/2014 1037
Xylenes (total)	ND		1	1.0	0.33	ug/L	12/24/2014 1037
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		100	70-130				
1,2-Dichloroethane-d4		103	70-130				
Toluene-d8		108	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ63929-002

Matrix: Aqueous

Batch: 63929

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	87		1	87	60-140	12/24/2014 0912
Benzene	50	47		1	95	70-130	12/24/2014 0912
Bromodichloromethane	50	47		1	95	70-130	12/24/2014 0912
Bromoform	50	45		1	89	70-130	12/24/2014 0912
Bromomethane (Methyl bromide)	50	50		1	101	60-140	12/24/2014 0912
2-Butanone (MEK)	100	84		1	84	60-140	12/24/2014 0912
Carbon disulfide	50	47		1	94	60-140	12/24/2014 0912
Carbon tetrachloride	50	50		1	101	70-130	12/24/2014 0912
Chlorobenzene	50	46		1	92	70-130	12/24/2014 0912
Chloroethane	50	51		1	102	42-163	12/24/2014 0912
Chloroform	50	47		1	94	70-130	12/24/2014 0912
Chloromethane (Methyl chloride)	50	53		1	105	60-140	12/24/2014 0912
Dibromochloromethane	50	47		1	93	70-130	12/24/2014 0912
1,4-Dichlorobenzene	50	45		1	90	70-130	12/24/2014 0912
1,2-Dichlorobenzene	50	49		1	98	70-130	12/24/2014 0912
1,3-Dichlorobenzene	50	47		1	95	70-130	12/24/2014 0912
1,2-Dichloroethane	50	45		1	89	70-130	12/24/2014 0912
1,1-Dichloroethane	50	47		1	94	70-130	12/24/2014 0912
cis-1,2-Dichloroethene	50	46		1	92	70-130	12/24/2014 0912
1,1-Dichloroethene	50	48		1	95	70-130	12/24/2014 0912
trans-1,2-Dichloroethene	50	47		1	94	70-130	12/24/2014 0912
1,2-Dichloropropane	50	47		1	94	70-130	12/24/2014 0912
cis-1,3-Dichloropropene	50	46		1	92	70-130	12/24/2014 0912
trans-1,3-Dichloropropene	50	45		1	91	70-130	12/24/2014 0912
Ethylbenzene	50	48		1	96	70-130	12/24/2014 0912
2-Hexanone	100	92		1	92	60-140	12/24/2014 0912
Methyl tertiary butyl ether (MTBE)	50	47		1	93	70-130	12/24/2014 0912
4-Methyl-2-pentanone	100	90		1	90	60-140	12/24/2014 0912
Methylene chloride	50	45		1	90	70-130	12/24/2014 0912
Styrene	50	50		1	100	70-130	12/24/2014 0912
1,1,2,2-Tetrachloroethane	50	45		1	90	60-140	12/24/2014 0912
Tetrachloroethene	50	48		1	95	70-130	12/24/2014 0912
Toluene	50	48		1	96	70-130	12/24/2014 0912
1,2,4-Trichlorobenzene	50	53		1	106	70-130	12/24/2014 0912
1,1,2-Trichloroethane	50	45		1	89	70-130	12/24/2014 0912
1,1,1-Trichloroethane	50	49		1	98	70-130	12/24/2014 0912
Trichloroethene	50	48		1	96	70-130	12/24/2014 0912
Vinyl chloride	50	51		1	102	70-130	12/24/2014 0912
Xylenes (total)	100	96		1	96	70-130	12/24/2014 0912
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		102	70-130				
1,2-Dichloroethane-d4		101	70-130				
Toluene-d8		106	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PL18008-012MS

Matrix: Aqueous

Batch: 63929

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	ND	100	87		1	87	60-140	12/24/2014 1841
Benzene	ND	50	51		1	102	72-127	12/24/2014 1841
Bromodichloromethane	ND	50	49		1	97	71-143	12/24/2014 1841
Bromoform	ND	50	40		1	79	65-131	12/24/2014 1841
Bromomethane (Methyl bromide)	ND	50	48		1	95	36-168	12/24/2014 1841
2-Butanone (MEK)	ND	100	92		1	92	60-140	12/24/2014 1841
Carbon disulfide	ND	50	45		1	91	60-140	12/24/2014 1841
Carbon tetrachloride	ND	50	53		1	106	37-166	12/24/2014 1841
Chlorobenzene	ND	50	50		1	100	78-129	12/24/2014 1841
Chloroethane	ND	50	54		1	107	60-140	12/24/2014 1841
Chloroform	ND	50	50		1	101	63-123	12/24/2014 1841
Chloromethane (Methyl chloride)	ND	50	54		1	108	20-158	12/24/2014 1841
Dibromochloromethane	ND	50	46		1	93	74-134	12/24/2014 1841
1,4-Dichlorobenzene	ND	50	48		1	96	70-130	12/24/2014 1841
1,3-Dichlorobenzene	ND	50	51		1	101	70-130	12/24/2014 1841
1,2-Dichlorobenzene	ND	50	52		1	104	70-130	12/24/2014 1841
1,2-Dichloroethane	ND	50	49		1	97	59-143	12/24/2014 1841
1,1-Dichloroethane	ND	50	52		1	103	69-132	12/24/2014 1841
trans-1,2-Dichloroethene	ND	50	53		1	106	67-141	12/24/2014 1841
cis-1,2-Dichloroethene	2.6	50	53		1	101	70-130	12/24/2014 1841
1,1-Dichloroethene	ND	50	54		1	108	50-132	12/24/2014 1841
1,2-Dichloropropane	ND	50	50		1	101	71-126	12/24/2014 1841
trans-1,3-Dichloropropene	ND	50	40		1	80	73-131	12/24/2014 1841
cis-1,3-Dichloropropene	ND	50	40		1	80	69-130	12/24/2014 1841
Ethylbenzene	ND	50	51		1	102	79-132	12/24/2014 1841
2-Hexanone	ND	100	100		1	100	60-140	12/24/2014 1841
Methyl tertiary butyl ether (MTBE)	ND	50	51		1	103	60-140	12/24/2014 1841
4-Methyl-2-pentanone	ND	100	100		1	101	60-140	12/24/2014 1841
Methylene chloride	ND	50	48		1	95	69-129	12/24/2014 1841
Styrene	ND	50	42		1	83	70-130	12/24/2014 1841
1,1,2,2-Tetrachloroethane	ND	50	51		1	101	60-155	12/24/2014 1841
Tetrachloroethene	ND	50	54		1	108	70-130	12/24/2014 1841
Toluene	ND	50	49		1	98	75-125	12/24/2014 1841
1,2,4-Trichlorobenzene	ND	50	59		1	117	70-130	12/24/2014 1841
1,1,2-Trichloroethane	ND	50	50		1	100	77-132	12/24/2014 1841
1,1,1-Trichloroethane	ND	50	52		1	105	77-132	12/24/2014 1841
Trichloroethene	ND	50	51		1	102	73-124	12/24/2014 1841
Vinyl chloride	ND	50	56		1	113	29-159	12/24/2014 1841
Xylenes (total)	ND	100	100		1	100	70-130	12/24/2014 1841
Surrogate	Q	% Rec	Acceptance Limit					
1,2-Dichloroethane-d4		103	70-130					
Bromofluorobenzene		100	70-130					
Toluene-d8		102	70-130					

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PL18008-012MD

Matrix: Aqueous

Batch: 63929

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	ND	100	97		1	97	12	60-140	20	12/24/2014 1904
Benzene	ND	50	50		1	100	2.3	72-127	20	12/24/2014 1904
Bromodichloromethane	ND	50	49		1	98	1.3	71-143	20	12/24/2014 1904
Bromoform	ND	50	40		1	80	0.77	65-131	20	12/24/2014 1904
Bromomethane (Methyl bromide)	ND	50	48		1	95	0.44	36-168	20	12/24/2014 1904
2-Butanone (MEK)	ND	100	96		1	96	3.8	60-140	20	12/24/2014 1904
Carbon disulfide	ND	50	43		1	85	6.3	60-140	20	12/24/2014 1904
Carbon tetrachloride	ND	50	52		1	103	2.5	37-166	20	12/24/2014 1904
Chlorobenzene	ND	50	49		1	98	2.8	78-129	20	12/24/2014 1904
Chloroethane	ND	50	52		1	104	2.6	60-140	20	12/24/2014 1904
Chloroform	ND	50	49		1	97	3.4	63-123	20	12/24/2014 1904
Chloromethane (Methyl chloride)	ND	50	51		1	101	6.8	20-158	20	12/24/2014 1904
Dibromochloromethane	ND	50	47		1	94	0.91	74-134	20	12/24/2014 1904
1,4-Dichlorobenzene	ND	50	47		1	94	1.4	70-130	20	12/24/2014 1904
1,3-Dichlorobenzene	ND	50	50		1	99	1.7	70-130	20	12/24/2014 1904
1,2-Dichlorobenzene	ND	50	52		1	105	0.85	70-130	20	12/24/2014 1904
1,2-Dichloroethane	ND	50	48		1	96	1.5	59-143	20	12/24/2014 1904
1,1-Dichloroethane	ND	50	49		1	98	5.1	69-132	20	12/24/2014 1904
trans-1,2-Dichloroethene	ND	50	51		1	102	3.8	67-141	20	12/24/2014 1904
cis-1,2-Dichloroethene	2.6	50	51		1	96	4.7	70-130	20	12/24/2014 1904
1,1-Dichloroethene	ND	50	50		1	101	7.1	50-132	20	12/24/2014 1904
1,2-Dichloropropane	ND	50	50		1	101	0.036	71-126	20	12/24/2014 1904
trans-1,3-Dichloropropene	ND	50	43		1	85	5.7	73-131	20	12/24/2014 1904
cis-1,3-Dichloropropene	ND	50	43		1	86	6.7	69-130	20	12/24/2014 1904
Ethylbenzene	ND	50	49		1	99	3.3	79-132	20	12/24/2014 1904
2-Hexanone	ND	100	100		1	100	0.066	60-140	20	12/24/2014 1904
Methyl tertiary butyl ether (MTBE)	ND	50	49		1	99	3.7	60-140	20	12/24/2014 1904
4-Methyl-2-pentanone	ND	100	100		1	102	1.2	60-140	20	12/24/2014 1904
Methylene chloride	ND	50	46		1	92	3.8	69-129	20	12/24/2014 1904
Styrene	ND	50	40		1	80	3.8	70-130	20	12/24/2014 1904
1,1,2,2-Tetrachloroethane	ND	50	51		1	102	0.75	60-155	20	12/24/2014 1904
Tetrachloroethene	ND	50	52		1	104	4.5	70-130	20	12/24/2014 1904
Toluene	ND	50	50		1	101	2.5	75-125	20	12/24/2014 1904
1,2,4-Trichlorobenzene	ND	50	56		1	111	5.3	70-130	20	12/24/2014 1904
1,1,2-Trichloroethane	ND	50	49		1	98	1.3	77-132	20	12/24/2014 1904
1,1,1-Trichloroethane	ND	50	51		1	101	3.2	77-132	20	12/24/2014 1904
Trichloroethene	ND	50	51		1	103	0.52	73-124	20	12/24/2014 1904
Vinyl chloride	ND	50	54		1	108	4.6	29-159	20	12/24/2014 1904
Xylenes (total)	ND	100	94		1	94	6.1	70-130	20	12/24/2014 1904
Surrogate	Q	% Rec	Acceptance Limit							
1,2-Dichloroethane-d4		101	70-130							
Bromofluorobenzene		100	70-130							
Toluene-d8		106	70-130							

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: PQ63730-001

Batch: 63730

Analytical Method: 8270D

Matrix: Aqueous

Prep Method: 3520C

Prep Date: 12/22/2014 1616

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
2,4,5-Trichlorophenol	ND		1	1.0	0.18	ug/L	12/30/2014 1323
2,4,6-Trichlorophenol	ND		1	1.0	0.22	ug/L	12/30/2014 1323
2,4-Dichlorophenol	ND		1	1.0	0.15	ug/L	12/30/2014 1323
2,4-Dimethylphenol	ND		1	1.0	0.31	ug/L	12/30/2014 1323
2,4-Dinitrophenol	ND		1	5.0	0.25	ug/L	12/30/2014 1323
2,4-Dinitrotoluene	ND		1	2.0	0.45	ug/L	12/30/2014 1323
2,6-Dinitrotoluene	ND		1	2.0	0.40	ug/L	12/30/2014 1323
2-Chloronaphthalene	ND		1	1.0	0.12	ug/L	12/30/2014 1323
2-Chlorophenol	ND		1	1.0	0.13	ug/L	12/30/2014 1323
2-Methylnaphthalene	ND		1	1.0	0.080	ug/L	12/30/2014 1323
2-Methylphenol	ND		1	1.0	0.17	ug/L	12/30/2014 1323
2-Nitroaniline	ND		1	2.0	0.55	ug/L	12/30/2014 1323
2-Nitrophenol	ND		1	2.0	0.27	ug/L	12/30/2014 1323
3 & 4-Methylphenol	ND		1	2.0	0.57	ug/L	12/30/2014 1323
3,3'-Dichlorobenzidine	ND		1	5.0	0.81	ug/L	12/30/2014 1323
3-Nitroaniline	ND		1	2.0	0.77	ug/L	12/30/2014 1323
4,6-Dinitro-2-methylphenol	ND		1	5.0	1.5	ug/L	12/30/2014 1323
4-Bromophenyl phenyl ether	ND		1	1.0	0.12	ug/L	12/30/2014 1323
4-Chloro-3-methyl phenol	ND		1	1.0	0.22	ug/L	12/30/2014 1323
4-Chloroaniline	ND		1	1.0	0.13	ug/L	12/30/2014 1323
4-Chlorophenyl phenyl ether	ND		1	1.0	0.11	ug/L	12/30/2014 1323
4-Nitroaniline	ND		1	2.0	0.39	ug/L	12/30/2014 1323
4-Nitrophenol	ND		1	5.0	0.64	ug/L	12/30/2014 1323
Acenaphthene	ND		1	1.0	0.090	ug/L	12/30/2014 1323
Acenaphthylene	ND		1	1.0	0.16	ug/L	12/30/2014 1323
Anthracene	ND		1	1.0	0.13	ug/L	12/30/2014 1323
Benzo(a)anthracene	ND		1	1.0	0.15	ug/L	12/30/2014 1323
Benzo(a)pyrene	ND		1	1.0	0.16	ug/L	12/30/2014 1323
Benzo(b)fluoranthene	ND		1	1.0	0.20	ug/L	12/30/2014 1323
Benzo(g,h,i)perylene	ND		1	1.0	0.23	ug/L	12/30/2014 1323
Benzo(k)fluoranthene	ND		1	1.0	0.12	ug/L	12/30/2014 1323
bis(2-Chloroethoxy)methane	ND		1	1.0	0.13	ug/L	12/30/2014 1323
bis(2-Chloroisopropyl)ether	ND		1	1.0	0.080	ug/L	12/30/2014 1323
bis(2-Ethylhexyl)phthalate	ND		1	5.0	1.7	ug/L	12/30/2014 1323
Butyl benzyl phthalate	ND		1	5.0	1.7	ug/L	12/30/2014 1323
Carbazole	ND		1	1.0	0.25	ug/L	12/30/2014 1323
Chrysene	ND		1	1.0	0.12	ug/L	12/30/2014 1323
Di-n-butyl phthalate	ND		1	5.0	1.7	ug/L	12/30/2014 1323
Di-n-octylphthalate	ND		1	5.0	1.7	ug/L	12/30/2014 1323
Dibenzo(a,h)anthracene	ND		1	1.0	0.13	ug/L	12/30/2014 1323
Dibenzofuran	ND		1	1.0	0.16	ug/L	12/30/2014 1323
Diethylphthalate	ND		1	5.0	1.7	ug/L	12/30/2014 1323
Dimethyl phthalate	ND		1	5.0	1.7	ug/L	12/30/2014 1323
Fluoranthene	ND		1	1.0	0.21	ug/L	12/30/2014 1323

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: PQ63730-001

Matrix: Aqueous

Batch: 63730

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 12/22/2014 1616

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Fluorene	ND		1	1.0	0.10	ug/L	12/30/2014 1323
Hexachlorobenzene	ND		1	1.0	0.21	ug/L	12/30/2014 1323
Hexachlorobutadiene	ND		1	1.0	0.090	ug/L	12/30/2014 1323
Hexachlorocyclopentadiene	ND		1	5.0	0.23	ug/L	12/30/2014 1323
Hexachloroethane	ND		1	1.0	0.11	ug/L	12/30/2014 1323
Indeno(1,2,3-c,d)pyrene	ND		1	1.0	0.23	ug/L	12/30/2014 1323
Isophorone	ND		1	1.0	0.080	ug/L	12/30/2014 1323
N-Nitrosodi-n-propylamine	ND		1	1.0	0.080	ug/L	12/30/2014 1323
N-Nitrosodiphenylamine (Diphenylamine)	ND		1	1.0	0.38	ug/L	12/30/2014 1323
Naphthalene	ND		1	1.0	0.070	ug/L	12/30/2014 1323
Nitrobenzene	ND		1	1.0	0.10	ug/L	12/30/2014 1323
Pentachlorophenol	ND		1	5.0	0.54	ug/L	12/30/2014 1323
Phenanthrene	ND		1	1.0	0.18	ug/L	12/30/2014 1323
Phenol	ND		1	1.0	0.11	ug/L	12/30/2014 1323
Pyrene	ND		1	1.0	0.16	ug/L	12/30/2014 1323
Surrogate	Q	% Rec	Acceptance Limit				
2,4,6-Tribromophenol		70	41-144				
2-Fluorobiphenyl		88	37-129				
2-Fluorophenol		87	24-127				
Nitrobenzene-d5		87	38-127				
Phenol-d5		91	28-128				
Terphenyl-d14		94	10-148				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: PQ63730-002

Batch: 63730

Analytical Method: 8270D

Matrix: Aqueous

Prep Method: 3520C

Prep Date: 12/22/2014 1616

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
2,4,5-Trichlorophenol	20	16		1	79	46-125	01/05/2015 1248
2,4,6-Trichlorophenol	20	16		1	80	36-123	01/05/2015 1248
2,4-Dichlorophenol	20	16		1	82	38-127	01/05/2015 1248
2,4-Dimethylphenol	20	21		1	106	36-110	01/05/2015 1248
2,4-Dinitrophenol	100	77		1	77	33-143	01/05/2015 1248
2,4-Dinitrotoluene	40	34		1	86	55-137	01/05/2015 1248
2,6-Dinitrotoluene	40	34		1	85	53-128	01/05/2015 1248
2-Chloronaphthalene	20	14		1	70	42-132	01/05/2015 1248
2-Chlorophenol	20	16		1	81	40-128	01/05/2015 1248
2-Methylnaphthalene	20	17		1	83	40-132	01/05/2015 1248
2-Methylphenol	20	16		1	80	33-122	01/05/2015 1248
2-Nitroaniline	40	34		1	85	48-126	01/05/2015 1248
2-Nitrophenol	40	32		1	80	44-131	01/05/2015 1248
3 & 4-Methylphenol	40	33		1	81	48-112	01/05/2015 1248
3-Nitroaniline	40	27		1	66	29-109	01/05/2015 1248
4,6-Dinitro-2-methylphenol	100	81		1	81	46-151	01/05/2015 1248
4-Bromophenyl phenyl ether	20	15		1	76	49-123	01/05/2015 1248
4-Chloro-3-methyl phenol	20	16		1	82	48-136	01/05/2015 1248
4-Chloroaniline	20	8.9		1	45	18-73	01/05/2015 1248
4-Chlorophenyl phenyl ether	20	16		1	79	34-124	01/05/2015 1248
4-Nitroaniline	40	34		1	85	42-154	01/05/2015 1248
4-Nitrophenol	100	77		1	77	43-145	01/05/2015 1248
Acenaphthene	20	16		1	81	51-130	01/05/2015 1248
Acenaphthylene	20	20		1	102	46-131	01/05/2015 1248
Anthracene	20	17		1	85	48-122	01/05/2015 1248
Benzo(a)anthracene	20	15		1	77	50-143	01/05/2015 1248
Benzo(a)pyrene	20	14		1	71	55-141	01/05/2015 1248
Benzo(b)fluoranthene	20	16		1	82	48-147	01/05/2015 1248
Benzo(g,h,i)perylene	20	13		1	63	48-139	01/05/2015 1248
Benzo(k)fluoranthene	20	16		1	79	48-148	01/05/2015 1248
bis(2-Chloroethoxy)methane	20	16		1	78	46-130	01/05/2015 1248
bis(2-Chloroisopropyl)ether	20	15		1	77	36-133	01/05/2015 1248
bis(2-Ethylhexyl)phthalate	20	11		1	57	40-141	01/05/2015 1248
Butyl benzyl phthalate	20	16		1	82	52-142	01/05/2015 1248
Carbazole	20	17		1	87	45-101	01/05/2015 1248
Chrysene	20	16		1	80	51-137	01/05/2015 1248
Di-n-butyl phthalate	20	16		1	81	50-134	01/05/2015 1248
Di-n-octylphthalate	20	11		1	55	50-136	01/05/2015 1248
Dibenzo(a,h)anthracene	20	13		1	64	48-139	01/05/2015 1248
Dibenzofuran	20	16		1	80	45-142	01/05/2015 1248
Diethylphthalate	20	17		1	83	48-124	01/05/2015 1248
Dimethyl phthalate	20	17		1	83	43-122	01/05/2015 1248
Fluoranthene	20	16		1	82	50-124	01/05/2015 1248
Fluorene	20	17		1	83	39-122	01/05/2015 1248

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: PQ63730-002

Matrix: Aqueous

Batch: 63730

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 12/22/2014 1616

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Hexachlorobenzene	20	17		1	87	46-125	01/05/2015 1248
Hexachlorobutadiene	20	15		1	74	38-121	01/05/2015 1248
Hexachlorocyclopentadiene	100	47		1	47	24-110	01/05/2015 1248
Hexachloroethane	20	15		1	73	32-109	01/05/2015 1248
Indeno(1,2,3-c,d)pyrene	20	13		1	63	49-146	01/05/2015 1248
Isophorone	20	16		1	79	43-118	01/05/2015 1248
N-Nitrosodi-n-propylamine	20	15		1	76	46-135	01/05/2015 1248
N-Nitrosodiphenylamine (Diphenylamine)	20	19		1	93	44-124	01/05/2015 1248
Naphthalene	20	16		1	78	45-118	01/05/2015 1248
Nitrobenzene	20	15		1	74	46-131	01/05/2015 1248
Pentachlorophenol	100	63		1	63	30-137	01/05/2015 1248
Phenanthrene	20	16		1	81	49-122	01/05/2015 1248
Phenol	20	15		1	75	35-118	01/05/2015 1248
Pyrene	20	16		1	78	50-130	01/05/2015 1248
Surrogate	Q	% Rec	Acceptance Limit				
2,4,6-Tribromophenol		85	41-144				
2-Fluorobiphenyl		82	37-129				
2-Fluorophenol		75	24-127				
Nitrobenzene-d5		79	38-127				
Phenol-d5		79	28-128				
Terphenyl-d14		86	10-148				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MS

Sample ID: PL18008-008MS

Batch: 63730

Analytical Method: 8270D

Matrix: Aqueous

Prep Method: 3520C

Prep Date: 12/22/2014 1616

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acenaphthene	ND	20	17		1	83	10-133	12/31/2014 1626
Acenaphthylene	ND	20	18		1	91	34-128	12/31/2014 1626
Anthracene	ND	20	15		1	73	48-122	12/31/2014 1626
Benzo(a)anthracene	ND	20	9.2	N	1	46	53-98	12/31/2014 1626
Benzo(a)pyrene	ND	20	11		1	57	11-160	12/31/2014 1626
Benzo(b)fluoranthene	ND	20	16		1	82	10-165	12/31/2014 1626
Benzo(g,h,i)perylene	ND	20	5.9	N	1	29	42-111	12/31/2014 1626
Benzo(k)fluoranthene	ND	20	15		1	75	13-175	12/31/2014 1626
4-Bromophenyl phenyl ether	ND	20	15		1	73	49-123	12/31/2014 1626
Butyl benzyl phthalate	ND	20	11		1	53	52-142	12/31/2014 1626
Carbazole	ND	20	1.8	N	1	9.0	45-101	12/31/2014 1626
4-Chloro-3-methyl phenol	ND	20	15		1	77	40-98	12/31/2014 1626
4-Chloroaniline	ND	20	6.4		1	32	10-98	12/31/2014 1626
bis(2-Chloroethoxy)methane	ND	20	6.5	N	1	32	43-93	12/31/2014 1626
bis(2-Chloroisopropyl)ether	ND	20	20	N	1	101	36-99	12/31/2014 1626
2-Chloronaphthalene	ND	20	15		1	76	40-89	12/31/2014 1626
2-Chlorophenol	ND	20	16		1	81	33-92	12/31/2014 1626
4-Chlorophenyl phenyl ether	ND	20	16		1	82	34-124	12/31/2014 1626
Chrysene	ND	20	8.7	N	1	43	51-107	12/31/2014 1626
Dibenzo(a,h)anthracene	ND	20	5.7	N	1	29	47-116	12/31/2014 1626
Dibenzofuran	ND	20	17		1	87	45-94	12/31/2014 1626
2,4-Dichlorophenol	ND	20	16		1	82	34-105	12/31/2014 1626
Diethylphthalate	ND	20	18		1	88	48-124	12/31/2014 1626
Dimethyl phthalate	ND	20	19		1	93	43-122	12/31/2014 1626
2,4-Dimethylphenol	ND	20	22	N	1	112	33-77	12/31/2014 1626
Di-n-butyl phthalate	ND	20	15		1	73	50-134	12/31/2014 1626
4,6-Dinitro-2-methylphenol	ND	100	86		1	86	33-118	12/31/2014 1626
2,4-Dinitrophenol	ND	100	88		1	88	19-119	12/31/2014 1626
2,4-Dinitrotoluene	ND	40	37		1	93	50-104	12/31/2014 1626
2,6-Dinitrotoluene	ND	40	37		1	93	53-128	12/31/2014 1626
Di-n-octylphthalate	ND	20	7.2	N	1	36	40-112	12/31/2014 1626
bis(2-Ethylhexyl)phthalate	ND	20	2.9		1	15	10-142	12/31/2014 1626
Fluoranthene	ND	20	15		1	77	50-124	12/31/2014 1626
Fluorene	ND	20	18		1	88	39-122	12/31/2014 1626
Hexachlorobenzene	ND	20	13		1	64	46-125	12/31/2014 1626
Hexachlorobutadiene	ND	20	14		1	68	42-94	12/31/2014 1626
Hexachlorocyclopentadiene	ND	100	44		1	44	14-89	12/31/2014 1626
Hexachloroethane	ND	20	18	N	1	89	39-86	12/31/2014 1626
Indeno(1,2,3-c,d)pyrene	ND	20	6.2	N	1	31	43-113	12/31/2014 1626
Isophorone	ND	20	16		1	82	42-84	12/31/2014 1626
2-Methylnaphthalene	ND	20	17		1	84	40-132	12/31/2014 1626
2-Methylphenol	ND	20	16		1	79	33-122	12/31/2014 1626
3 & 4-Methylphenol	ND	40	29		1	73	24-97	12/31/2014 1626
Naphthalene	ND	20	16		1	79	46-89	12/31/2014 1626

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MS

Sample ID: PL18008-008MS

Matrix: Aqueous

Batch: 63730

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 12/22/2014 1616

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
2-Nitroaniline	ND	40	6.6	N	1	17	48-126	12/31/2014 1626
3-Nitroaniline	ND	40	2.9	N	1	7.3	10-110	12/31/2014 1626
4-Nitroaniline	ND	40	1.4	N	1	3.5	41-99	12/31/2014 1626
Nitrobenzene	ND	20	15		1	76	44-91	12/31/2014 1626
2-Nitrophenol	ND	40	33		1	82	34-102	12/31/2014 1626
4-Nitrophenol	ND	100	86		1	86	29-122	12/31/2014 1626
N-Nitrosodi-n-propylamine	ND	20	16		1	79	41-96	12/31/2014 1626
N-Nitrosodiphenylamine (Diphenylamine)	ND	20	1.4	N	1	7.1	10-150	12/31/2014 1626
Pentachlorophenol	ND	100	75		1	75	32-110	12/31/2014 1626
Phenanthrene	ND	20	17		1	84	49-122	12/31/2014 1626
Phenol	ND	20	15		1	75	33-92	12/31/2014 1626
Pyrene	ND	20	13		1	67	50-130	12/31/2014 1626
2,4,5-Trichlorophenol	ND	20	18		1	92	46-125	12/31/2014 1626
2,4,6-Trichlorophenol	ND	20	18		1	92	36-123	12/31/2014 1626
Surrogate	Q	% Rec	Acceptance Limit					
2-Fluorobiphenyl		90	37-129					
2-Fluorophenol		77	24-127					
Nitrobenzene-d5		85	38-127					
Phenol-d5		76	28-128					
Terphenyl-d14		40	10-148					
2,4,6-Tribromophenol		99	41-144					

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MSD

Sample ID: PL18008-008MD

Matrix: Aqueous

Batch: 63730

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 12/22/2014 1616

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acenaphthene	ND	20	18		1	88	5.9	10-133	40	12/31/2014 1649
Acenaphthylene	ND	20	22		1	109	19	34-128	40	12/31/2014 1649
Anthracene	ND	20	16		1	80	8.8	48-122	40	12/31/2014 1649
Benzo(a)anthracene	ND	20	9.7	N	1	49	5.3	53-98	40	12/31/2014 1649
Benzo(a)pyrene	ND	20	6.7	+	1	34	51	11-160	40	12/31/2014 1649
Benzo(b)fluoranthene	ND	20	8.5	+	1	43	63	10-165	40	12/31/2014 1649
Benzo(g,h,i)perylene	ND	20	3.1	N,+	1	15	62	42-111	40	12/31/2014 1649
Benzo(k)fluoranthene	ND	20	7.9	+	1	40	62	13-175	40	12/31/2014 1649
4-Bromophenyl phenyl ether	ND	20	15		1	74	0.75	49-123	40	12/31/2014 1649
Butyl benzyl phthalate	ND	20	13		1	63	18	52-142	40	12/31/2014 1649
Carbazole	ND	20	18	+	1	90	160	45-101	40	12/31/2014 1649
4-Chloro-3-methyl phenol	ND	20	17		1	84	8.5	40-98	40	12/31/2014 1649
4-Chloroaniline	ND	20	6.7		1	33	3.8	10-98	40	12/31/2014 1649
bis(2-Chloroethoxy)methane	ND	20	16	+	1	79	83	43-93	40	12/31/2014 1649
bis(2-Chloroisopropyl)ether	ND	20	21	N	1	107	5.8	36-99	40	12/31/2014 1649
2-Chloronaphthalene	ND	20	15		1	76	0.43	40-89	40	12/31/2014 1649
2-Chlorophenol	ND	20	18		1	90	11	33-92	40	12/31/2014 1649
4-Chlorophenyl phenyl ether	ND	20	17		1	83	1.5	34-124	40	12/31/2014 1649
Chrysene	ND	20	9.3	N	1	47	7.7	51-107	40	12/31/2014 1649
Dibenzo(a,h)anthracene	ND	20	3.1	N,+	1	15	60	47-116	40	12/31/2014 1649
Dibenzofuran	ND	20	18		1	89	2.0	45-94	40	12/31/2014 1649
2,4-Dichlorophenol	ND	20	18		1	88	6.1	34-105	40	12/31/2014 1649
Diethylphthalate	ND	20	18		1	90	2.2	48-124	40	12/31/2014 1649
Dimethyl phthalate	ND	20	18		1	92	0.093	43-122	40	12/31/2014 1649
2,4-Dimethylphenol	ND	20	24	N	1	119	5.6	33-77	40	12/31/2014 1649
Di-n-butyl phthalate	ND	20	15		1	74	1.8	50-134	40	12/31/2014 1649
4,6-Dinitro-2-methylphenol	ND	100	90		1	90	3.9	33-118	40	12/31/2014 1649
2,4-Dinitrophenol	ND	100	91		1	91	3.8	19-119	40	12/31/2014 1649
2,4-Dinitrotoluene	ND	40	37		1	93	0.011	50-104	40	12/31/2014 1649
2,6-Dinitrotoluene	ND	40	37		1	93	0.31	53-128	40	12/31/2014 1649
Di-n-octylphthalate	ND	20	3.6	N,+	1	18	67	40-112	40	12/31/2014 1649
bis(2-Ethylhexyl)phthalate	ND	20	3.3		1	16	12	10-142	40	12/31/2014 1649
Fluoranthene	ND	20	16		1	79	3.0	50-124	40	12/31/2014 1649
Fluorene	ND	20	18		1	89	0.56	39-122	40	12/31/2014 1649
Hexachlorobenzene	ND	20	13		1	66	1.9	46-125	40	12/31/2014 1649
Hexachlorobutadiene	ND	20	15		1	76	11	42-94	40	12/31/2014 1649
Hexachlorocyclopentadiene	ND	100	38		1	38	15	14-89	40	12/31/2014 1649
Hexachloroethane	ND	20	20	N	1	99	11	39-86	40	12/31/2014 1649
Indeno(1,2,3-c,d)pyrene	ND	20	3.3	N,+	1	16	62	43-113	40	12/31/2014 1649
Isophorone	ND	20	16		1	81	0.28	42-84	40	12/31/2014 1649
2-Methylnaphthalene	ND	20	18		1	88	5.2	40-132	40	12/31/2014 1649
2-Methylphenol	ND	20	18		1	91	14	33-122	40	12/31/2014 1649
3 & 4-Methylphenol	ND	40	33		1	82	11	24-97	40	12/31/2014 1649
Naphthalene	ND	20	17		1	86	8.0	46-89	40	12/31/2014 1649

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MSD

Sample ID: PL18008-008MD

Matrix: Aqueous

Batch: 63730

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 12/22/2014 1616

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
2-Nitroaniline	ND	40	35	+	1	88	140	48-126	40	12/31/2014 1649
3-Nitroaniline	ND	40	0.37	N _i +	1	0.94	160	10-110	40	12/31/2014 1649
4-Nitroaniline	ND	40	2.1	N _i +	1	5.3	41	41-99	40	12/31/2014 1649
Nitrobenzene	ND	20	16		1	78	2.2	44-91	40	12/31/2014 1649
2-Nitrophenol	ND	40	34		1	85	4.5	34-102	40	12/31/2014 1649
4-Nitrophenol	ND	100	91		1	91	6.1	29-122	40	12/31/2014 1649
N-Nitrosodi-n-propylamine	ND	20	15		1	77	1.6	41-96	40	12/31/2014 1649
N-Nitrosodiphenylamine (Diphenylamine)	ND	20	9.5	+	1	47	150	10-150	40	12/31/2014 1649
Pentachlorophenol	ND	100	82		1	82	8.6	32-110	40	12/31/2014 1649
Phenanthrene	ND	20	17		1	87	3.9	49-122	40	12/31/2014 1649
Phenol	ND	20	16		1	82	8.6	33-92	40	12/31/2014 1649
Pyrene	ND	20	14		1	71	5.2	50-130	40	12/31/2014 1649
2,4,5-Trichlorophenol	ND	20	18		1	91	1.1	46-125	40	12/31/2014 1649
2,4,6-Trichlorophenol	ND	20	18		1	92	0.87	36-123	40	12/31/2014 1649
Surrogate	Q	% Rec	Acceptance Limit							
2-Fluorobiphenyl		92	37-129							
2-Fluorophenol		84	24-127							
Nitrobenzene-d5		91	38-127							
Phenol-d5		85	28-128							
Terphenyl-d14		43	10-148							
2,4,6-Tribromophenol		104	41-144							

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: PQ63919-001

Batch: 63919

Analytical Method: 8270D

Matrix: Aqueous

Prep Method: 3520C

Prep Date: 12/24/2014 938

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
2,4,5-Trichlorophenol	ND		1	1.0	0.18	ug/L	12/30/2014 1237
2,4,6-Trichlorophenol	ND		1	1.0	0.22	ug/L	12/30/2014 1237
2,4-Dichlorophenol	ND		1	1.0	0.15	ug/L	12/30/2014 1237
2,4-Dimethylphenol	ND		1	1.0	0.31	ug/L	12/30/2014 1237
2,4-Dinitrophenol	ND		1	5.0	0.25	ug/L	12/30/2014 1237
2,4-Dinitrotoluene	ND		1	2.0	0.45	ug/L	12/30/2014 1237
2,6-Dinitrotoluene	ND		1	2.0	0.40	ug/L	12/30/2014 1237
2-Chloronaphthalene	ND		1	1.0	0.12	ug/L	12/30/2014 1237
2-Chlorophenol	ND		1	1.0	0.13	ug/L	12/30/2014 1237
2-Methylnaphthalene	ND		1	1.0	0.080	ug/L	12/30/2014 1237
2-Methylphenol	ND		1	1.0	0.17	ug/L	12/30/2014 1237
2-Nitroaniline	ND		1	2.0	0.55	ug/L	12/30/2014 1237
2-Nitrophenol	ND		1	2.0	0.27	ug/L	12/30/2014 1237
3 & 4-Methylphenol	ND		1	2.0	0.57	ug/L	12/30/2014 1237
3,3'-Dichlorobenzidine	ND		1	5.0	0.81	ug/L	12/30/2014 1237
3-Nitroaniline	ND		1	2.0	0.77	ug/L	12/30/2014 1237
4,6-Dinitro-2-methylphenol	ND		1	5.0	1.5	ug/L	12/30/2014 1237
4-Bromophenyl phenyl ether	ND		1	1.0	0.12	ug/L	12/30/2014 1237
4-Chloro-3-methyl phenol	ND		1	1.0	0.22	ug/L	12/30/2014 1237
4-Chloroaniline	ND		1	1.0	0.13	ug/L	12/30/2014 1237
4-Chlorophenyl phenyl ether	ND		1	1.0	0.11	ug/L	12/30/2014 1237
4-Nitroaniline	ND		1	2.0	0.39	ug/L	12/30/2014 1237
4-Nitrophenol	ND		1	5.0	0.64	ug/L	12/30/2014 1237
Acenaphthene	ND		1	1.0	0.090	ug/L	12/30/2014 1237
Acenaphthylene	ND		1	1.0	0.16	ug/L	12/30/2014 1237
Anthracene	ND		1	1.0	0.13	ug/L	12/30/2014 1237
Benzo(a)anthracene	ND		1	1.0	0.15	ug/L	12/30/2014 1237
Benzo(a)pyrene	ND		1	1.0	0.16	ug/L	12/30/2014 1237
Benzo(b)fluoranthene	ND		1	1.0	0.20	ug/L	12/30/2014 1237
Benzo(g,h,i)perylene	ND		1	1.0	0.23	ug/L	12/30/2014 1237
Benzo(k)fluoranthene	ND		1	1.0	0.12	ug/L	12/30/2014 1237
bis(2-Chloroethoxy)methane	ND		1	1.0	0.13	ug/L	12/30/2014 1237
bis(2-Chloroisopropyl)ether	ND		1	1.0	0.080	ug/L	12/30/2014 1237
bis(2-Ethylhexyl)phthalate	ND		1	5.0	1.7	ug/L	12/30/2014 1237
Butyl benzyl phthalate	ND		1	5.0	1.7	ug/L	12/30/2014 1237
Carbazole	ND		1	1.0	0.25	ug/L	12/30/2014 1237
Chrysene	ND		1	1.0	0.12	ug/L	12/30/2014 1237
Di-n-butyl phthalate	ND		1	5.0	1.7	ug/L	12/30/2014 1237
Di-n-octylphthalate	ND		1	5.0	1.7	ug/L	12/30/2014 1237
Dibenzo(a,h)anthracene	ND		1	1.0	0.13	ug/L	12/30/2014 1237
Dibenzofuran	ND		1	1.0	0.16	ug/L	12/30/2014 1237
Diethylphthalate	ND		1	5.0	1.7	ug/L	12/30/2014 1237
Dimethyl phthalate	ND		1	5.0	1.7	ug/L	12/30/2014 1237
Fluoranthene	ND		1	1.0	0.21	ug/L	12/30/2014 1237

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: PQ63919-001

Matrix: Aqueous

Batch: 63919

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 12/24/2014 938

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Fluorene	ND		1	1.0	0.10	ug/L	12/30/2014 1237
Hexachlorobenzene	ND		1	1.0	0.21	ug/L	12/30/2014 1237
Hexachlorobutadiene	ND		1	1.0	0.090	ug/L	12/30/2014 1237
Hexachlorocyclopentadiene	ND		1	5.0	0.23	ug/L	12/30/2014 1237
Hexachloroethane	ND		1	1.0	0.11	ug/L	12/30/2014 1237
Indeno(1,2,3-c,d)pyrene	ND		1	1.0	0.23	ug/L	12/30/2014 1237
Isophorone	ND		1	1.0	0.080	ug/L	12/30/2014 1237
N-Nitrosodi-n-propylamine	ND		1	1.0	0.080	ug/L	12/30/2014 1237
N-Nitrosodiphenylamine (Diphenylamine)	ND		1	1.0	0.38	ug/L	12/30/2014 1237
Naphthalene	ND		1	1.0	0.070	ug/L	12/30/2014 1237
Nitrobenzene	ND		1	1.0	0.10	ug/L	12/30/2014 1237
Pentachlorophenol	ND		1	5.0	0.54	ug/L	12/30/2014 1237
Phenanthrene	ND		1	1.0	0.18	ug/L	12/30/2014 1237
Phenol	ND		1	1.0	0.11	ug/L	12/30/2014 1237
Pyrene	ND		1	1.0	0.16	ug/L	12/30/2014 1237
Surrogate	Q	% Rec	Acceptance Limit				
2,4,6-Tribromophenol		62	41-144				
2-Fluorobiphenyl		71	37-129				
2-Fluorophenol		71	24-127				
Nitrobenzene-d5		70	38-127				
Phenol-d5		72	28-128				
Terphenyl-d14		80	10-148				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: PQ63919-002

Batch: 63919

Analytical Method: 8270D

Matrix: Aqueous

Prep Method: 3520C

Prep Date: 12/24/2014 938

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
2,4,5-Trichlorophenol	20	16		1	80	46-125	12/30/2014 1300
2,4,6-Trichlorophenol	20	17		1	83	36-123	12/30/2014 1300
2,4-Dichlorophenol	20	16		1	82	38-127	12/30/2014 1300
2,4-Dimethylphenol	20	24	N	1	118	36-110	12/30/2014 1300
2,4-Dinitrophenol	100	83		1	83	33-143	12/30/2014 1300
2,4-Dinitrotoluene	40	35		1	87	55-137	12/30/2014 1300
2,6-Dinitrotoluene	40	34		1	86	53-128	12/30/2014 1300
2-Chloronaphthalene	20	14		1	71	42-132	12/30/2014 1300
2-Chlorophenol	20	17		1	83	40-128	12/30/2014 1300
2-Methylnaphthalene	20	17		1	84	40-132	12/30/2014 1300
2-Methylphenol	20	17		1	84	33-122	12/30/2014 1300
2-Nitroaniline	40	34		1	85	48-126	12/30/2014 1300
2-Nitrophenol	40	33		1	81	44-131	12/30/2014 1300
3 & 4-Methylphenol	40	35		1	88	48-112	12/30/2014 1300
3-Nitroaniline	40	29		1	73	29-109	12/30/2014 1300
4,6-Dinitro-2-methylphenol	100	88		1	88	46-151	12/30/2014 1300
4-Bromophenyl phenyl ether	20	15		1	76	49-123	12/30/2014 1300
4-Chloro-3-methyl phenol	20	17		1	86	48-136	12/30/2014 1300
4-Chloroaniline	20	18	N	1	89	18-73	12/30/2014 1300
4-Chlorophenyl phenyl ether	20	16		1	80	34-124	12/30/2014 1300
4-Nitroaniline	40	37		1	91	42-154	12/30/2014 1300
4-Nitrophenol	100	87		1	87	43-145	12/30/2014 1300
Acenaphthene	20	17		1	84	51-130	12/30/2014 1300
Acenaphthylene	20	20		1	102	46-131	12/30/2014 1300
Anthracene	20	17		1	87	48-122	12/30/2014 1300
Benzo(a)anthracene	20	16		1	80	50-143	12/30/2014 1300
Benzo(a)pyrene	20	16		1	80	55-141	12/30/2014 1300
Benzo(b)fluoranthene	20	17		1	85	48-147	12/30/2014 1300
Benzo(g,h,i)perylene	20	16		1	80	48-139	12/30/2014 1300
Benzo(k)fluoranthene	20	18		1	90	48-148	12/30/2014 1300
bis(2-Chloroethoxy)methane	20	16		1	82	46-130	12/30/2014 1300
bis(2-Chloroisopropyl)ether	20	17		1	85	36-133	12/30/2014 1300
bis(2-Ethylhexyl)phthalate	20	15		1	73	40-141	12/30/2014 1300
Butyl benzyl phthalate	20	17		1	86	52-142	12/30/2014 1300
Carbazole	20	18		1	89	45-101	12/30/2014 1300
Chrysene	20	17		1	83	51-137	12/30/2014 1300
Di-n-butyl phthalate	20	16		1	81	50-134	12/30/2014 1300
Di-n-octylphthalate	20	14		1	72	50-136	12/30/2014 1300
Dibenzo(a,h)anthracene	20	16		1	80	48-139	12/30/2014 1300
Dibenzofuran	20	16		1	82	45-142	12/30/2014 1300
Diethylphthalate	20	17		1	87	48-124	12/30/2014 1300
Dimethyl phthalate	20	17		1	85	43-122	12/30/2014 1300
Fluoranthene	20	16		1	82	50-124	12/30/2014 1300
Fluorene	20	18		1	88	39-122	12/30/2014 1300

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: PQ63919-002

Matrix: Aqueous

Batch: 63919

Prep Method: 3520C

Analytical Method: 8270D

Prep Date: 12/24/2014 938

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Hexachlorobenzene	20	18		1	91	46-125	12/30/2014 1300
Hexachlorobutadiene	20	15		1	76	38-121	12/30/2014 1300
Hexachlorocyclopentadiene	100	59		1	59	24-110	12/30/2014 1300
Hexachloroethane	20	15		1	77	32-109	12/30/2014 1300
Indeno(1,2,3-c,d)pyrene	20	16		1	78	49-146	12/30/2014 1300
Isophorone	20	17		1	86	43-118	12/30/2014 1300
N-Nitrosodi-n-propylamine	20	17		1	87	46-135	12/30/2014 1300
N-Nitrosodiphenylamine (Diphenylamine)	20	20		1	98	44-124	12/30/2014 1300
Naphthalene	20	16		1	81	45-118	12/30/2014 1300
Nitrobenzene	20	16		1	81	46-131	12/30/2014 1300
Pentachlorophenol	100	71		1	71	30-137	12/30/2014 1300
Phenanthrene	20	17		1	83	49-122	12/30/2014 1300
Phenol	20	16		1	82	35-118	12/30/2014 1300
Pyrene	20	16		1	79	50-130	12/30/2014 1300
Surrogate	Q	% Rec	Acceptance Limit				
2,4,6-Tribromophenol		84	41-144				
2-Fluorobiphenyl		80	37-129				
2-Fluorophenol		74	24-127				
Nitrobenzene-d5		83	38-127				
Phenol-d5		80	28-128				
Terphenyl-d14		88	10-148				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and $\geq$ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results