

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: LB12007-018			
Description: MW-7D (2-11-10)				Matrix: Aqueous			
Date Sampled: 02/11/2010 1423							
Date Received: 02/12/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/15/2010 2210	LBS		27687

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		121	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 ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample 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

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Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: LB12007-019			
Description: MW-7S (2-11-10)				Matrix: Aqueous			
Date Sampled: 02/11/2010 1437							
Date Received: 02/12/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/16/2010 0055	DLB		27741

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	17		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: LB12007-019			
Description: MW-7S (2-11-10)				Matrix: Aqueous			
Date Sampled: 02/11/2010 1437							
Date Received: 02/12/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/16/2010 0055	DLB		27741

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		98	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

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

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

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Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: LB12007-020			
Description: MW-2S(2-11-10)				Matrix: Aqueous			
Date Sampled: 02/11/2010 1646							
Date Received: 02/12/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/16/2010 1041	DLB		27747

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	1.1	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

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P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample 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: LB12007-020			
Description: MW-2S(2-11-10)				Matrix: Aqueous			
Date Sampled: 02/11/2010 1646							
Date Received: 02/12/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/16/2010 1041	DLB		27747

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		113	70-130
Bromofluorobenzene		116	70-130
Toluene-d8		111	70-130

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Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: LB12007-021			
Description: MW-2D (2-11-10)				Matrix: Aqueous			
Date Sampled: 02/11/2010 1652							
Date Received: 02/12/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/16/2010 0117	DLB		27741

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	17		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: LB12007-021			
Description: MW-2D (2-11-10)				Matrix: Aqueous			
Date Sampled: 02/11/2010 1652							
Date Received: 02/12/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/16/2010 0117	DLB		27741

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		100	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit

B = Detected in the method blank

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Where applicable, all soil sample 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: LB12007-022			
Description: Trip Blank				Matrix: Aqueous			
Date Sampled: 02/11/2010							
Date Received: 02/12/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/16/2010 0138	DLB		27741

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	17		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: LB12007-022			
Description: Trip Blank				Matrix: Aqueous			
Date Sampled: 02/11/2010							
Date Received: 02/12/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/16/2010 0138	DLB		27741

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		100	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"

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Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: LB12007-023			
Description: MW-3S				Matrix: Aqueous			
Date Sampled: 02/11/2010 1548							
Date Received: 02/12/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/16/2010 0200	DLB		27741

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	17		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: LB12007-023
Description: MW-3S	Matrix: Aqueous
Date Sampled: 02/11/2010 1548	
Date Received: 02/12/2010	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/16/2010 0200	DLB		27741

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		99	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit

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P = The RPD between two GC columns exceeds 40%

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Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: LB12007-024			
Description: MW-3D				Matrix: Aqueous			
Date Sampled: 02/11/2010 1552							
Date Received: 02/12/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/16/2010 0223	DLB		27741

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	18		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: LB12007-024
Description: MW-3D	Matrix: Aqueous
Date Sampled: 02/11/2010 1552	
Date Received: 02/12/2010	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/16/2010 0223	DLB		27741

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		98	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 ≥ MDL

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QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ27687-001

Matrix: Aqueous

Batch: 27687

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	10	0.061	ug/L	02/15/2010 1712
Benzene	ND		1	0.50	0.027	ug/L	02/15/2010 1712
Bromodichloromethane	ND		1	0.50	0.17	ug/L	02/15/2010 1712
Bromoform	ND		1	0.50	0.010	ug/L	02/15/2010 1712
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	02/15/2010 1712
2-Butanone (MEK)	ND		1	10	2.0	ug/L	02/15/2010 1712
Carbon disulfide	ND		1	0.50	0.097	ug/L	02/15/2010 1712
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	02/15/2010 1712
Chlorobenzene	ND		1	0.50	0.17	ug/L	02/15/2010 1712
Chloroethane	ND		1	0.50	0.17	ug/L	02/15/2010 1712
Chloroform	ND		1	0.50	0.17	ug/L	02/15/2010 1712
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	02/15/2010 1712
Cyclohexane	ND		1	0.50	0.30	ug/L	02/15/2010 1712
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	02/15/2010 1712
Dibromochloromethane	ND		1	0.50	0.17	ug/L	02/15/2010 1712
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	02/15/2010 1712
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/15/2010 1712
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/15/2010 1712
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/15/2010 1712
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	02/15/2010 1712
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	02/15/2010 1712
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	02/15/2010 1712
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	02/15/2010 1712
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	02/15/2010 1712
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	02/15/2010 1712
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	02/15/2010 1712
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	02/15/2010 1712
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	02/15/2010 1712
Ethylbenzene	ND		1	0.50	0.17	ug/L	02/15/2010 1712
2-Hexanone	ND		1	10	0.27	ug/L	02/15/2010 1712
Isopropylbenzene	ND		1	0.50	0.029	ug/L	02/15/2010 1712
Methyl acetate	ND		1	1.0	0.30	ug/L	02/15/2010 1712
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	02/15/2010 1712
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	02/15/2010 1712
Methylcyclohexane	ND		1	5.0	0.95	ug/L	02/15/2010 1712
Methylene chloride	ND		1	0.50	0.17	ug/L	02/15/2010 1712
Styrene	ND		1	0.50	0.015	ug/L	02/15/2010 1712
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	02/15/2010 1712
Tetrachloroethene	ND		1	0.50	0.014	ug/L	02/15/2010 1712
Toluene	ND		1	0.50	0.17	ug/L	02/15/2010 1712
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	02/15/2010 1712
1,2,4-Trichlorobenzene	ND		1	0.50	0.17	ug/L	02/15/2010 1712
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	02/15/2010 1712
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	02/15/2010 1712

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LQ27687-001

Matrix: Aqueous

Batch: 27687

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.024	ug/L	02/15/2010 1712
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	02/15/2010 1712
Vinyl chloride	ND		1	0.50	0.065	ug/L	02/15/2010 1712
Xylenes (total)	ND		1	0.50	0.17	ug/L	02/15/2010 1712
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		112	70-130				
1,2-Dichloroethane-d4		90	70-130				
Toluene-d8		95	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: LQ27687-002

Matrix: Aqueous

Batch: 27687

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	46-153	02/15/2010 1530
Benzene	50	47		1	93	70-130	02/15/2010 1530
Bromodichloromethane	50	55		1	110	70-130	02/15/2010 1530
Bromoform	50	47		1	95	70-130	02/15/2010 1530
Bromomethane (Methyl bromide)	50	41		1	82	60-140	02/15/2010 1530
2-Butanone (MEK)	100	100		1	102	60-140	02/15/2010 1530
Carbon disulfide	50	49		1	99	60-140	02/15/2010 1530
Carbon tetrachloride	50	60		1	120	70-130	02/15/2010 1530
Chlorobenzene	50	47		1	93	70-130	02/15/2010 1530
Chloroethane	50	42		1	85	42-163	02/15/2010 1530
Chloroform	50	53		1	105	70-130	02/15/2010 1530
Chloromethane (Methyl chloride)	50	45		1	90	20-158	02/15/2010 1530
Cyclohexane	50	53		1	106	70-130	02/15/2010 1530
1,2-Dibromo-3-chloropropane (DBCP)	50	47		1	94	70-130	02/15/2010 1530
Dibromochloromethane	50	53		1	106	70-130	02/15/2010 1530
1,2-Dibromoethane (EDB)	50	48		1	95	70-130	02/15/2010 1530
1,4-Dichlorobenzene	50	42		1	85	70-130	02/15/2010 1530
1,2-Dichlorobenzene	50	45		1	89	70-130	02/15/2010 1530
1,3-Dichlorobenzene	50	43		1	87	70-130	02/15/2010 1530
Dichlorodifluoromethane	50	37		1	75	60-140	02/15/2010 1530
1,1-Dichloroethane	50	50		1	100	70-130	02/15/2010 1530
1,2-Dichloroethane	50	54		1	107	70-130	02/15/2010 1530
1,1-Dichloroethene	50	50		1	99	70-130	02/15/2010 1530
trans-1,2-Dichloroethene	50	49		1	97	70-130	02/15/2010 1530
cis-1,2-Dichloroethene	50	48		1	95	70-130	02/15/2010 1530
1,2-Dichloropropane	50	48		1	96	70-130	02/15/2010 1530
trans-1,3-Dichloropropene	50	50		1	100	70-130	02/15/2010 1530
cis-1,3-Dichloropropene	50	52		1	104	70-130	02/15/2010 1530
Ethylbenzene	50	47		1	93	70-130	02/15/2010 1530
2-Hexanone	100	100		1	105	60-140	02/15/2010 1530
Isopropylbenzene	50	48		1	96	70-130	02/15/2010 1530
Methyl acetate	50	47		1	93	15-128	02/15/2010 1530
Methyl tertiary butyl ether (MTBE)	50	50		1	100	70-130	02/15/2010 1530
4-Methyl-2-pentanone	100	100		1	105	60-140	02/15/2010 1530
Methylcyclohexane	50	53		1	106	70-130	02/15/2010 1530
Methylene chloride	50	48		1	96	70-130	02/15/2010 1530
Styrene	50	49		1	99	70-130	02/15/2010 1530
1,1,2,2-Tetrachloroethane	50	44		1	88	70-130	02/15/2010 1530
Tetrachloroethene	50	49		1	97	70-130	02/15/2010 1530
Toluene	50	50		1	99	70-130	02/15/2010 1530
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	60		1	121	70-130	02/15/2010 1530
1,2,4-Trichlorobenzene	50	45		1	89	70-130	02/15/2010 1530
1,1,2-Trichloroethane	50	46		1	92	70-130	02/15/2010 1530
1,1,1-Trichloroethane	50	56		1	111	70-130	02/15/2010 1530

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LQ27687-002

Matrix: Aqueous

Batch: 27687

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	102	70-130	02/15/2010 1530
Trichlorofluoromethane	50	42		1	85	60-140	02/15/2010 1530
Vinyl chloride	50	45		1	90	60-140	02/15/2010 1530
Xylenes (total)	100	95		1	95	70-130	02/15/2010 1530
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		115	70-130				
1,2-Dichloroethane-d4		89	70-130				
Toluene-d8		96	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: LQ27687-003

Matrix: Aqueous

Batch: 27687

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	97		1	97	0.24	46-153	20	02/15/2010 1421
Benzene	50	46		1	92	1.7	70-130	20	02/15/2010 1421
Bromodichloromethane	50	51		1	103	6.9	70-130	20	02/15/2010 1421
Bromoform	50	45		1	89	5.8	70-130	20	02/15/2010 1421
Bromomethane (Methyl bromide)	50	40		1	81	1.0	60-140	20	02/15/2010 1421
2-Butanone (MEK)	100	100		1	104	1.9	60-140	20	02/15/2010 1421
Carbon disulfide	50	45		1	90	8.7	60-140	20	02/15/2010 1421
Carbon tetrachloride	50	47	+	1	94	24	70-130	20	02/15/2010 1421
Chlorobenzene	50	44		1	88	6.1	70-130	20	02/15/2010 1421
Chloroethane	50	41		1	82	3.3	42-163	20	02/15/2010 1421
Chloroform	50	49		1	97	8.2	70-130	20	02/15/2010 1421
Chloromethane (Methyl chloride)	50	39		1	78	15	20-158	20	02/15/2010 1421
Cyclohexane	50	41	+	1	83	25	70-130	20	02/15/2010 1421
1,2-Dibromo-3-chloropropane (DBCP)	50	48		1	95	1.6	70-130	20	02/15/2010 1421
Dibromochloromethane	50	50		1	100	6.1	70-130	20	02/15/2010 1421
1,2-Dibromoethane (EDB)	50	46		1	92	3.7	70-130	20	02/15/2010 1421
1,4-Dichlorobenzene	50	41		1	83	2.1	70-130	20	02/15/2010 1421
1,2-Dichlorobenzene	50	43		1	87	2.9	70-130	20	02/15/2010 1421
1,3-Dichlorobenzene	50	43		1	85	2.2	70-130	20	02/15/2010 1421
Dichlorodifluoromethane	50	26	N,+	1	52	35	60-140	20	02/15/2010 1421
1,1-Dichloroethane	50	48		1	96	4.3	70-130	20	02/15/2010 1421
1,2-Dichloroethane	50	49		1	97	10	70-130	20	02/15/2010 1421
1,1-Dichloroethene	50	44		1	89	11	70-130	20	02/15/2010 1421
trans-1,2-Dichloroethene	50	46		1	92	5.6	70-130	20	02/15/2010 1421
cis-1,2-Dichloroethene	50	47		1	93	1.8	70-130	20	02/15/2010 1421
1,2-Dichloropropane	50	47		1	94	2.3	70-130	20	02/15/2010 1421
trans-1,3-Dichloropropene	50	48		1	95	5.2	70-130	20	02/15/2010 1421
cis-1,3-Dichloropropene	50	51		1	101	2.6	70-130	20	02/15/2010 1421
Ethylbenzene	50	43		1	86	7.9	70-130	20	02/15/2010 1421
2-Hexanone	100	97		1	97	7.4	60-140	20	02/15/2010 1421
Isopropylbenzene	50	45		1	90	6.8	70-130	20	02/15/2010 1421
Methyl acetate	50	45		1	91	2.4	15-128	20	02/15/2010 1421
Methyl tertiary butyl ether (MTBE)	50	50		1	100	0.20	70-130	20	02/15/2010 1421
4-Methyl-2-pentanone	100	100		1	101	3.2	60-140	20	02/15/2010 1421
Methylcyclohexane	50	44		1	89	17	70-130	20	02/15/2010 1421
Methylene chloride	50	48		1	96	0.23	70-130	20	02/15/2010 1421
Styrene	50	47		1	93	5.8	70-130	20	02/15/2010 1421
1,1,2,2-Tetrachloroethane	50	46		1	92	4.5	70-130	20	02/15/2010 1421
Tetrachloroethene	50	43		1	86	12	70-130	20	02/15/2010 1421
Toluene	50	47		1	94	5.7	70-130	20	02/15/2010 1421
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	46	+	1	93	26	70-130	20	02/15/2010 1421
1,2,4-Trichlorobenzene	50	43		1	86	3.6	70-130	20	02/15/2010 1421
1,1,2-Trichloroethane	50	45		1	90	2.8	70-130	20	02/15/2010 1421
1,1,1-Trichloroethane	50	46		1	93	18	70-130	20	02/15/2010 1421

PQL = Practical quantitation limit

P = The RPD between 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: LQ27687-003

Matrix: Aqueous

Batch: 27687

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	02/15/2010 1421
Trichlorofluoromethane	50	28	N,+	1	56	41	60-140	20	02/15/2010 1421
Vinyl chloride	50	39		1	77	15	60-140	20	02/15/2010 1421
Xylenes (total)	100	87		1	87	8.8	70-130	20	02/15/2010 1421
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		109	70-130						
1,2-Dichloroethane-d4		80	70-130						
Toluene-d8		95	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: LQ27697-001

Matrix: Aqueous

Batch: 27697

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	10	0.061	ug/L	02/13/2010 1640
Benzene	ND		1	0.50	0.027	ug/L	02/13/2010 1640
Bromodichloromethane	ND		1	0.50	0.17	ug/L	02/13/2010 1640
Bromoform	ND		1	0.50	0.010	ug/L	02/13/2010 1640
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	02/13/2010 1640
2-Butanone (MEK)	ND		1	10	2.0	ug/L	02/13/2010 1640
Carbon disulfide	ND		1	0.50	0.097	ug/L	02/13/2010 1640
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	02/13/2010 1640
Chlorobenzene	ND		1	0.50	0.17	ug/L	02/13/2010 1640
Chloroethane	ND		1	0.50	0.17	ug/L	02/13/2010 1640
Chloroform	ND		1	0.50	0.17	ug/L	02/13/2010 1640
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	02/13/2010 1640
Cyclohexane	ND		1	0.50	0.30	ug/L	02/13/2010 1640
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	02/13/2010 1640
Dibromochloromethane	ND		1	0.50	0.17	ug/L	02/13/2010 1640
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	02/13/2010 1640
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/13/2010 1640
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/13/2010 1640
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/13/2010 1640
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	02/13/2010 1640
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	02/13/2010 1640
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	02/13/2010 1640
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	02/13/2010 1640
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	02/13/2010 1640
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	02/13/2010 1640
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	02/13/2010 1640
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	02/13/2010 1640
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	02/13/2010 1640
Ethylbenzene	ND		1	0.50	0.17	ug/L	02/13/2010 1640
2-Hexanone	ND		1	10	0.27	ug/L	02/13/2010 1640
Isopropylbenzene	ND		1	0.50	0.029	ug/L	02/13/2010 1640
Methyl acetate	ND		1	1.0	0.30	ug/L	02/13/2010 1640
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	02/13/2010 1640
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	02/13/2010 1640
Methylcyclohexane	ND		1	5.0	0.95	ug/L	02/13/2010 1640
Methylene chloride	ND		1	0.50	0.17	ug/L	02/13/2010 1640
Styrene	ND		1	0.50	0.015	ug/L	02/13/2010 1640
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	02/13/2010 1640
Tetrachloroethene	ND		1	0.50	0.014	ug/L	02/13/2010 1640
Toluene	ND		1	0.50	0.17	ug/L	02/13/2010 1640
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	02/13/2010 1640
1,2,4-Trichlorobenzene	ND		1	0.50	0.17	ug/L	02/13/2010 1640
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	02/13/2010 1640
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	02/13/2010 1640

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LQ27697-001

Matrix: Aqueous

Batch: 27697

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.024	ug/L	02/13/2010 1640
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	02/13/2010 1640
Vinyl chloride	ND		1	0.50	0.065	ug/L	02/13/2010 1640
Xylenes (total)	ND		1	0.50	0.17	ug/L	02/13/2010 1640
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		97	70-130				
1,2-Dichloroethane-d4		95	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 $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LQ27697-002

Matrix: Aqueous

Batch: 27697

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	96		1	96	46-153	02/13/2010 1513
Benzene	50	47		1	94	70-130	02/13/2010 1513
Bromodichloromethane	50	48		1	97	70-130	02/13/2010 1513
Bromoform	50	45		1	90	70-130	02/13/2010 1513
Bromomethane (Methyl bromide)	50	51		1	103	60-140	02/13/2010 1513
2-Butanone (MEK)	100	88		1	88	60-140	02/13/2010 1513
Carbon disulfide	50	49		1	98	60-140	02/13/2010 1513
Carbon tetrachloride	50	47		1	93	70-130	02/13/2010 1513
Chlorobenzene	50	46		1	92	70-130	02/13/2010 1513
Chloroethane	50	53		1	106	42-163	02/13/2010 1513
Chloroform	50	49		1	98	70-130	02/13/2010 1513
Chloromethane (Methyl chloride)	50	46		1	91	20-158	02/13/2010 1513
Cyclohexane	50	47		1	94	70-130	02/13/2010 1513
1,2-Dibromo-3-chloropropane (DBCP)	50	46		1	92	70-130	02/13/2010 1513
Dibromochloromethane	50	51		1	103	70-130	02/13/2010 1513
1,2-Dibromoethane (EDB)	50	47		1	95	70-130	02/13/2010 1513
1,4-Dichlorobenzene	50	44		1	87	70-130	02/13/2010 1513
1,3-Dichlorobenzene	50	45		1	90	70-130	02/13/2010 1513
1,2-Dichlorobenzene	50	47		1	94	70-130	02/13/2010 1513
Dichlorodifluoromethane	50	36		1	71	60-140	02/13/2010 1513
1,2-Dichloroethane	50	49		1	97	70-130	02/13/2010 1513
1,1-Dichloroethane	50	47		1	93	70-130	02/13/2010 1513
cis-1,2-Dichloroethene	50	48		1	97	70-130	02/13/2010 1513
trans-1,2-Dichloroethene	50	46		1	92	70-130	02/13/2010 1513
1,1-Dichloroethene	50	47		1	94	70-130	02/13/2010 1513
1,2-Dichloropropane	50	45		1	90	70-130	02/13/2010 1513
cis-1,3-Dichloropropene	50	47		1	93	70-130	02/13/2010 1513
trans-1,3-Dichloropropene	50	49		1	98	70-130	02/13/2010 1513
Ethylbenzene	50	46		1	91	70-130	02/13/2010 1513
2-Hexanone	100	84		1	84	60-140	02/13/2010 1513
Isopropylbenzene	50	48		1	97	70-130	02/13/2010 1513
Methyl acetate	50	45		1	90	15-128	02/13/2010 1513
Methyl tertiary butyl ether (MTBE)	50	56		1	111	70-130	02/13/2010 1513
4-Methyl-2-pentanone	100	92		1	92	60-140	02/13/2010 1513
Methylcyclohexane	50	46		1	92	70-130	02/13/2010 1513
Methylene chloride	50	55		1	109	70-130	02/13/2010 1513
Styrene	50	46		1	92	70-130	02/13/2010 1513
1,1,2,2-Tetrachloroethane	50	46		1	92	70-130	02/13/2010 1513
Tetrachloroethene	50	46		1	92	70-130	02/13/2010 1513
Toluene	50	45		1	89	70-130	02/13/2010 1513
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	46		1	92	70-130	02/13/2010 1513
1,2,4-Trichlorobenzene	50	49		1	98	70-130	02/13/2010 1513
1,1,2-Trichloroethane	50	46		1	92	70-130	02/13/2010 1513
1,1,1-Trichloroethane	50	47		1	94	70-130	02/13/2010 1513

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LQ27697-002

Matrix: Aqueous

Batch: 27697

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	46		1	91	70-130	02/13/2010 1513
Trichlorofluoromethane	50	40		1	80	60-140	02/13/2010 1513
Vinyl chloride	50	40		1	79	60-140	02/13/2010 1513
Xylenes (total)	100	94		1	94	70-130	02/13/2010 1513
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		97	70-130				
1,2-Dichloroethane-d4		97	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: LQ27697-003

Matrix: Aqueous

Batch: 27697

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	97		1	97	1.0	46-153	20	02/13/2010 1534
Benzene	50	46		1	92	2.4	70-130	20	02/13/2010 1534
Bromodichloromethane	50	48		1	96	0.61	70-130	20	02/13/2010 1534
Bromoform	50	47		1	93	2.9	70-130	20	02/13/2010 1534
Bromomethane (Methyl bromide)	50	48		1	95	7.8	60-140	20	02/13/2010 1534
2-Butanone (MEK)	100	90		1	90	2.3	60-140	20	02/13/2010 1534
Carbon disulfide	50	44		1	88	10	60-140	20	02/13/2010 1534
Carbon tetrachloride	50	45		1	89	4.6	70-130	20	02/13/2010 1534
Chlorobenzene	50	46		1	92	0.63	70-130	20	02/13/2010 1534
Chloroethane	50	47		1	93	12	42-163	20	02/13/2010 1534
Chloroform	50	46		1	93	5.4	70-130	20	02/13/2010 1534
Chloromethane (Methyl chloride)	50	42		1	84	8.1	20-158	20	02/13/2010 1534
Cyclohexane	50	45		1	90	3.8	70-130	20	02/13/2010 1534
1,2-Dibromo-3-chloropropane (DBCP)	50	44		1	89	3.3	70-130	20	02/13/2010 1534
Dibromochloromethane	50	51		1	102	0.59	70-130	20	02/13/2010 1534
1,2-Dibromoethane (EDB)	50	49		1	99	4.1	70-130	20	02/13/2010 1534
1,4-Dichlorobenzene	50	44		1	89	2.0	70-130	20	02/13/2010 1534
1,3-Dichlorobenzene	50	46		1	91	1.2	70-130	20	02/13/2010 1534
1,2-Dichlorobenzene	50	45		1	91	3.2	70-130	20	02/13/2010 1534
Dichlorodifluoromethane	50	32		1	65	9.8	60-140	20	02/13/2010 1534
1,2-Dichloroethane	50	47		1	95	2.7	70-130	20	02/13/2010 1534
1,1-Dichloroethane	50	43		1	87	7.1	70-130	20	02/13/2010 1534
cis-1,2-Dichloroethene	50	45		1	90	7.2	70-130	20	02/13/2010 1534
trans-1,2-Dichloroethene	50	43		1	86	7.2	70-130	20	02/13/2010 1534
1,1-Dichloroethene	50	43		1	87	7.7	70-130	20	02/13/2010 1534
1,2-Dichloropropane	50	45		1	90	0.15	70-130	20	02/13/2010 1534
cis-1,3-Dichloropropene	50	49		1	97	4.5	70-130	20	02/13/2010 1534
trans-1,3-Dichloropropene	50	51		1	103	4.7	70-130	20	02/13/2010 1534
Ethylbenzene	50	46		1	92	1.1	70-130	20	02/13/2010 1534
2-Hexanone	100	92		1	92	9.3	60-140	20	02/13/2010 1534
Isopropylbenzene	50	47		1	95	1.8	70-130	20	02/13/2010 1534
Methyl acetate	50	43		1	87	3.7	15-128	20	02/13/2010 1534
Methyl tertiary butyl ether (MTBE)	50	49		1	97	14	70-130	20	02/13/2010 1534
4-Methyl-2-pentanone	100	92		1	92	0.17	60-140	20	02/13/2010 1534
Methylcyclohexane	50	43		1	87	5.7	70-130	20	02/13/2010 1534
Methylene chloride	50	50		1	99	9.7	70-130	20	02/13/2010 1534
Styrene	50	47		1	93	1.3	70-130	20	02/13/2010 1534
1,1,2,2-Tetrachloroethane	50	46		1	92	0.21	70-130	20	02/13/2010 1534
Tetrachloroethene	50	46		1	92	0.44	70-130	20	02/13/2010 1534
Toluene	50	46		1	92	3.7	70-130	20	02/13/2010 1534
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	43		1	85	8.0	70-130	20	02/13/2010 1534
1,2,4-Trichlorobenzene	50	45		1	91	7.2	70-130	20	02/13/2010 1534
1,1,2-Trichloroethane	50	47		1	94	2.3	70-130	20	02/13/2010 1534
1,1,1-Trichloroethane	50	45		1	90	5.2	70-130	20	02/13/2010 1534

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LQ27697-003

Matrix: Aqueous

Batch: 27697

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	45		1	89	2.2	70-130	20	02/13/2010 1534
Trichlorofluoromethane	50	37		1	74	7.3	60-140	20	02/13/2010 1534
Vinyl chloride	50	36		1	72	9.1	60-140	20	02/13/2010 1534
Xylenes (total)	100	93		1	93	1.4	70-130	20	02/13/2010 1534
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		99	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: LQ27733-001

Matrix: Aqueous

Batch: 27733

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	10	0.061	ug/L	02/16/2010 2319
Benzene	ND		1	0.50	0.027	ug/L	02/16/2010 2319
Bromodichloromethane	ND		1	0.50	0.17	ug/L	02/16/2010 2319
Bromoform	ND		1	0.50	0.010	ug/L	02/16/2010 2319
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	02/16/2010 2319
2-Butanone (MEK)	ND		1	10	2.0	ug/L	02/16/2010 2319
Carbon disulfide	ND		1	0.50	0.097	ug/L	02/16/2010 2319
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	02/16/2010 2319
Chlorobenzene	ND		1	0.50	0.17	ug/L	02/16/2010 2319
Chloroethane	ND		1	0.50	0.17	ug/L	02/16/2010 2319
Chloroform	ND		1	0.50	0.17	ug/L	02/16/2010 2319
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	02/16/2010 2319
Cyclohexane	ND		1	0.50	0.30	ug/L	02/16/2010 2319
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	02/16/2010 2319
Dibromochloromethane	ND		1	0.50	0.17	ug/L	02/16/2010 2319
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	02/16/2010 2319
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/16/2010 2319
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/16/2010 2319
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/16/2010 2319
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	02/16/2010 2319
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	02/16/2010 2319
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	02/16/2010 2319
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	02/16/2010 2319
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	02/16/2010 2319
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	02/16/2010 2319
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	02/16/2010 2319
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	02/16/2010 2319
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	02/16/2010 2319
Ethylbenzene	ND		1	0.50	0.17	ug/L	02/16/2010 2319
2-Hexanone	ND		1	10	0.27	ug/L	02/16/2010 2319
Isopropylbenzene	ND		1	0.50	0.029	ug/L	02/16/2010 2319
Methyl acetate	ND		1	1.0	0.30	ug/L	02/16/2010 2319
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	02/16/2010 2319
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	02/16/2010 2319
Methylcyclohexane	ND		1	5.0	0.95	ug/L	02/16/2010 2319
Methylene chloride	ND		1	0.50	0.17	ug/L	02/16/2010 2319
Styrene	ND		1	0.50	0.015	ug/L	02/16/2010 2319
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	02/16/2010 2319
Tetrachloroethene	ND		1	0.50	0.014	ug/L	02/16/2010 2319
Toluene	ND		1	0.50	0.17	ug/L	02/16/2010 2319
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	02/16/2010 2319
1,2,4-Trichlorobenzene	ND		1	0.50	0.17	ug/L	02/16/2010 2319
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	02/16/2010 2319
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	02/16/2010 2319

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LQ27733-001

Matrix: Aqueous

Batch: 27733

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.024	ug/L	02/16/2010 2319
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	02/16/2010 2319
Vinyl chloride	ND		1	0.50	0.065	ug/L	02/16/2010 2319
Xylenes (total)	ND		1	0.50	0.17	ug/L	02/16/2010 2319
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		115	70-130				
1,2-Dichloroethane-d4		112	70-130				
Toluene-d8		111	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: LQ27733-002

Matrix: Aqueous

Batch: 27733

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	98		1	98	46-153	02/16/2010 2154
Benzene	50	54		1	108	70-130	02/16/2010 2154
Bromodichloromethane	50	47		1	94	70-130	02/16/2010 2154
Bromoform	50	61		1	122	70-130	02/16/2010 2154
Bromomethane (Methyl bromide)	50	58		1	116	60-140	02/16/2010 2154
2-Butanone (MEK)	100	98		1	98	60-140	02/16/2010 2154
Carbon disulfide	50	58		1	115	60-140	02/16/2010 2154
Carbon tetrachloride	50	49		1	98	70-130	02/16/2010 2154
Chlorobenzene	50	46		1	93	70-130	02/16/2010 2154
Chloroethane	50	55		1	109	42-163	02/16/2010 2154
Chloroform	50	46		1	91	70-130	02/16/2010 2154
Chloromethane (Methyl chloride)	50	50		1	100	20-158	02/16/2010 2154
Cyclohexane	50	44		1	88	70-130	02/16/2010 2154
1,2-Dibromo-3-chloropropane (DBCP)	50	56		1	112	70-130	02/16/2010 2154
Dibromochloromethane	50	53		1	105	70-130	02/16/2010 2154
1,2-Dibromoethane (EDB)	50	48		1	97	70-130	02/16/2010 2154
1,4-Dichlorobenzene	50	55		1	110	70-130	02/16/2010 2154
1,2-Dichlorobenzene	50	57		1	114	70-130	02/16/2010 2154
1,3-Dichlorobenzene	50	55		1	110	70-130	02/16/2010 2154
Dichlorodifluoromethane	50	47		1	94	60-140	02/16/2010 2154
1,1-Dichloroethane	50	45		1	90	70-130	02/16/2010 2154
1,2-Dichloroethane	50	45		1	89	70-130	02/16/2010 2154
trans-1,2-Dichloroethene	50	46		1	92	70-130	02/16/2010 2154
1,1-Dichloroethene	50	47		1	93	70-130	02/16/2010 2154
cis-1,2-Dichloroethene	50	54		1	108	70-130	02/16/2010 2154
1,2-Dichloropropane	50	45		1	89	70-130	02/16/2010 2154
cis-1,3-Dichloropropene	50	51		1	102	70-130	02/16/2010 2154
trans-1,3-Dichloropropene	50	54		1	107	70-130	02/16/2010 2154
Ethylbenzene	50	46		1	93	70-130	02/16/2010 2154
2-Hexanone	100	93		1	93	60-140	02/16/2010 2154
Isopropylbenzene	50	47		1	94	70-130	02/16/2010 2154
Methyl acetate	50	54		1	108	15-128	02/16/2010 2154
Methyl tertiary butyl ether (MTBE)	50	57		1	113	70-130	02/16/2010 2154
4-Methyl-2-pentanone	100	94		1	94	60-140	02/16/2010 2154
Methylcyclohexane	50	49		1	98	70-130	02/16/2010 2154
Methylene chloride	50	55		1	110	70-130	02/16/2010 2154
Styrene	50	49		1	99	70-130	02/16/2010 2154
1,1,2,2-Tetrachloroethane	50	47		1	95	70-130	02/16/2010 2154
Tetrachloroethene	50	53		1	107	70-130	02/16/2010 2154
Toluene	50	44		1	89	70-130	02/16/2010 2154
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	49		1	98	70-130	02/16/2010 2154
1,2,4-Trichlorobenzene	50	59		1	119	70-130	02/16/2010 2154
1,1,1-Trichloroethane	50	47		1	95	70-130	02/16/2010 2154
1,1,2-Trichloroethane	50	48		1	95	70-130	02/16/2010 2154

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LQ27733-002

Matrix: Aqueous

Batch: 27733

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	47		1	93	70-130	02/16/2010 2154
Trichlorofluoromethane	50	48		1	96	60-140	02/16/2010 2154
Vinyl chloride	50	44		1	88	60-140	02/16/2010 2154
Xylenes (total)	100	100		1	104	70-130	02/16/2010 2154
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		115	70-130				
1,2-Dichloroethane-d4		109	70-130				
Toluene-d8		111	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: LQ27741-001

Matrix: Aqueous

Batch: 27741

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	10	0.061	ug/L	02/15/2010 2242
Benzene	ND		1	0.50	0.027	ug/L	02/15/2010 2242
Bromodichloromethane	ND		1	0.50	0.17	ug/L	02/15/2010 2242
Bromoform	ND		1	0.50	0.010	ug/L	02/15/2010 2242
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	02/15/2010 2242
2-Butanone (MEK)	ND		1	10	2.0	ug/L	02/15/2010 2242
Carbon disulfide	ND		1	0.50	0.097	ug/L	02/15/2010 2242
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	02/15/2010 2242
Chlorobenzene	ND		1	0.50	0.17	ug/L	02/15/2010 2242
Chloroethane	ND		1	0.50	0.17	ug/L	02/15/2010 2242
Chloroform	ND		1	0.50	0.17	ug/L	02/15/2010 2242
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	02/15/2010 2242
Cyclohexane	ND		1	0.50	0.30	ug/L	02/15/2010 2242
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	02/15/2010 2242
Dibromochloromethane	ND		1	0.50	0.17	ug/L	02/15/2010 2242
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	02/15/2010 2242
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/15/2010 2242
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/15/2010 2242
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/15/2010 2242
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	02/15/2010 2242
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	02/15/2010 2242
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	02/15/2010 2242
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	02/15/2010 2242
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	02/15/2010 2242
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	02/15/2010 2242
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	02/15/2010 2242
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	02/15/2010 2242
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	02/15/2010 2242
Ethylbenzene	ND		1	0.50	0.17	ug/L	02/15/2010 2242
2-Hexanone	ND		1	10	0.27	ug/L	02/15/2010 2242
Isopropylbenzene	ND		1	0.50	0.029	ug/L	02/15/2010 2242
Methyl acetate	ND		1	1.0	0.30	ug/L	02/15/2010 2242
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	02/15/2010 2242
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	02/15/2010 2242
Methylcyclohexane	ND		1	5.0	0.95	ug/L	02/15/2010 2242
Methylene chloride	ND		1	0.50	0.17	ug/L	02/15/2010 2242
Styrene	ND		1	0.50	0.015	ug/L	02/15/2010 2242
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	02/15/2010 2242
Tetrachloroethene	ND		1	0.50	0.014	ug/L	02/15/2010 2242
Toluene	ND		1	0.50	0.17	ug/L	02/15/2010 2242
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	02/15/2010 2242
1,2,4-Trichlorobenzene	ND		1	0.50	0.17	ug/L	02/15/2010 2242
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	02/15/2010 2242
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	02/15/2010 2242

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LQ27741-001

Matrix: Aqueous

Batch: 27741

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.024	ug/L	02/15/2010 2242
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	02/15/2010 2242
Vinyl chloride	ND		1	0.50	0.065	ug/L	02/15/2010 2242
Xylenes (total)	ND		1	0.50	0.17	ug/L	02/15/2010 2242
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		98	70-130				
1,2-Dichloroethane-d4		98	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: LQ27741-002

Matrix: Aqueous

Batch: 27741

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	94		1	94	46-153	02/15/2010 2115
Benzene	50	47		1	94	70-130	02/15/2010 2115
Bromodichloromethane	50	48		1	95	70-130	02/15/2010 2115
Bromoform	50	43		1	85	70-130	02/15/2010 2115
Bromomethane (Methyl bromide)	50	51		1	102	60-140	02/15/2010 2115
2-Butanone (MEK)	100	83		1	83	60-140	02/15/2010 2115
Carbon disulfide	50	49		1	99	60-140	02/15/2010 2115
Carbon tetrachloride	50	48		1	96	70-130	02/15/2010 2115
Chlorobenzene	50	47		1	93	70-130	02/15/2010 2115
Chloroethane	50	52		1	104	42-163	02/15/2010 2115
Chloroform	50	47		1	94	70-130	02/15/2010 2115
Chloromethane (Methyl chloride)	50	40		1	81	20-158	02/15/2010 2115
Cyclohexane	50	50		1	100	70-130	02/15/2010 2115
1,2-Dibromo-3-chloropropane (DBCP)	50	46		1	92	70-130	02/15/2010 2115
Dibromochloromethane	50	49		1	99	70-130	02/15/2010 2115
1,2-Dibromoethane (EDB)	50	47		1	93	70-130	02/15/2010 2115
1,4-Dichlorobenzene	50	46		1	92	70-130	02/15/2010 2115
1,3-Dichlorobenzene	50	48		1	95	70-130	02/15/2010 2115
1,2-Dichlorobenzene	50	49		1	98	70-130	02/15/2010 2115
Dichlorodifluoromethane	50	30		1	61	60-140	02/15/2010 2115
1,2-Dichloroethane	50	46		1	91	70-130	02/15/2010 2115
1,1-Dichloroethane	50	45		1	90	70-130	02/15/2010 2115
trans-1,2-Dichloroethene	50	46		1	93	70-130	02/15/2010 2115
cis-1,2-Dichloroethene	50	47		1	93	70-130	02/15/2010 2115
1,1-Dichloroethene	50	48		1	96	70-130	02/15/2010 2115
1,2-Dichloropropane	50	44		1	88	70-130	02/15/2010 2115
trans-1,3-Dichloropropene	50	49		1	98	70-130	02/15/2010 2115
cis-1,3-Dichloropropene	50	47		1	93	70-130	02/15/2010 2115
Ethylbenzene	50	47		1	95	70-130	02/15/2010 2115
2-Hexanone	100	82		1	82	60-140	02/15/2010 2115
Isopropylbenzene	50	53		1	107	70-130	02/15/2010 2115
Methyl acetate	50	44		1	87	15-128	02/15/2010 2115
Methyl tertiary butyl ether (MTBE)	50	50		1	101	70-130	02/15/2010 2115
4-Methyl-2-pentanone	100	89		1	89	60-140	02/15/2010 2115
Methylcyclohexane	50	48		1	97	70-130	02/15/2010 2115
Methylene chloride	50	51		1	103	70-130	02/15/2010 2115
Styrene	50	47		1	93	70-130	02/15/2010 2115
1,1,2,2-Tetrachloroethane	50	47		1	94	70-130	02/15/2010 2115
Tetrachloroethene	50	49		1	99	70-130	02/15/2010 2115
Toluene	50	45		1	91	70-130	02/15/2010 2115
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	47		1	94	70-130	02/15/2010 2115
1,2,4-Trichlorobenzene	50	53		1	106	70-130	02/15/2010 2115
1,1,2-Trichloroethane	50	46		1	92	70-130	02/15/2010 2115
1,1,1-Trichloroethane	50	48		1	97	70-130	02/15/2010 2115

PQL = Practical quantitation limit

P = The RPD between 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: LQ27741-002

Matrix: Aqueous

Batch: 27741

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	47		1	94	70-130	02/15/2010 2115
Trichlorofluoromethane	50	48		1	97	60-140	02/15/2010 2115
Vinyl chloride	50	39		1	77	60-140	02/15/2010 2115
Xylenes (total)	100	96		1	96	70-130	02/15/2010 2115
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		96	70-130				
1,2-Dichloroethane-d4		93	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: LQ27741-003

Matrix: Aqueous

Batch: 27741

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	105	11	46-153	20	02/15/2010 2136
Benzene	50	47		1	94	0.35	70-130	20	02/15/2010 2136
Bromodichloromethane	50	48		1	95	0.32	70-130	20	02/15/2010 2136
Bromoform	50	44		1	89	4.0	70-130	20	02/15/2010 2136
Bromomethane (Methyl bromide)	50	51		1	103	0.95	60-140	20	02/15/2010 2136
2-Butanone (MEK)	100	91		1	91	9.7	60-140	20	02/15/2010 2136
Carbon disulfide	50	48		1	95	3.7	60-140	20	02/15/2010 2136
Carbon tetrachloride	50	48		1	96	0.59	70-130	20	02/15/2010 2136
Chlorobenzene	50	48		1	96	2.8	70-130	20	02/15/2010 2136
Chloroethane	50	49		1	99	5.3	42-163	20	02/15/2010 2136
Chloroform	50	46		1	93	1.0	70-130	20	02/15/2010 2136
Chloromethane (Methyl chloride)	50	40		1	79	1.7	20-158	20	02/15/2010 2136
Cyclohexane	50	50		1	99	0.54	70-130	20	02/15/2010 2136
1,2-Dibromo-3-chloropropane (DBCP)	50	45		1	89	2.9	70-130	20	02/15/2010 2136
Dibromochloromethane	50	51		1	101	2.2	70-130	20	02/15/2010 2136
1,2-Dibromoethane (EDB)	50	48		1	97	3.7	70-130	20	02/15/2010 2136
1,4-Dichlorobenzene	50	47		1	94	2.2	70-130	20	02/15/2010 2136
1,3-Dichlorobenzene	50	48		1	96	0.88	70-130	20	02/15/2010 2136
1,2-Dichlorobenzene	50	48		1	96	2.2	70-130	20	02/15/2010 2136
Dichlorodifluoromethane	50	30	N	1	59	3.1	60-140	20	02/15/2010 2136
1,2-Dichloroethane	50	46		1	92	0.76	70-130	20	02/15/2010 2136
1,1-Dichloroethane	50	45		1	89	1.3	70-130	20	02/15/2010 2136
trans-1,2-Dichloroethene	50	45		1	91	2.3	70-130	20	02/15/2010 2136
cis-1,2-Dichloroethene	50	46		1	92	0.85	70-130	20	02/15/2010 2136
1,1-Dichloroethene	50	47		1	93	2.9	70-130	20	02/15/2010 2136
1,2-Dichloropropane	50	44		1	89	1.3	70-130	20	02/15/2010 2136
trans-1,3-Dichloropropene	50	50		1	100	1.8	70-130	20	02/15/2010 2136
cis-1,3-Dichloropropene	50	48		1	96	2.4	70-130	20	02/15/2010 2136
Ethylbenzene	50	49		1	98	3.5	70-130	20	02/15/2010 2136
2-Hexanone	100	92		1	92	12	60-140	20	02/15/2010 2136
Isopropylbenzene	50	50		1	101	5.7	70-130	20	02/15/2010 2136
Methyl acetate	50	43		1	86	1.5	15-128	20	02/15/2010 2136
Methyl tertiary butyl ether (MTBE)	50	49		1	97	3.5	70-130	20	02/15/2010 2136
4-Methyl-2-pentanone	100	93		1	93	4.1	60-140	20	02/15/2010 2136
Methylcyclohexane	50	49		1	98	1.4	70-130	20	02/15/2010 2136
Methylene chloride	50	49		1	99	3.7	70-130	20	02/15/2010 2136
Styrene	50	48		1	95	2.4	70-130	20	02/15/2010 2136
1,1,2,2-Tetrachloroethane	50	46		1	91	2.6	70-130	20	02/15/2010 2136
Tetrachloroethene	50	50		1	100	1.5	70-130	20	02/15/2010 2136
Toluene	50	47		1	95	4.4	70-130	20	02/15/2010 2136
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	46		1	92	1.8	70-130	20	02/15/2010 2136
1,2,4-Trichlorobenzene	50	50		1	99	6.2	70-130	20	02/15/2010 2136
1,1,2-Trichloroethane	50	46		1	93	0.78	70-130	20	02/15/2010 2136
1,1,1-Trichloroethane	50	48		1	96	0.62	70-130	20	02/15/2010 2136

PQL = Practical quantitation limit

P = The RPD between 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: LQ27741-003

Matrix: Aqueous

Batch: 27741

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	0.26	70-130	20	02/15/2010 2136
Trichlorofluoromethane	50	42		1	84	14	60-140	20	02/15/2010 2136
Vinyl chloride	50	37		1	74	3.5	60-140	20	02/15/2010 2136
Xylenes (total)	100	98		1	98	1.6	70-130	20	02/15/2010 2136
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		100	70-130						
1,2-Dichloroethane-d4		92	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 - MS

Sample ID: LB12007-009MS

Matrix: Aqueous

Batch: 27741

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	18	100	74	N	1	56	80-130	02/16/2010 0623
Benzene	ND	50	38		1	77	70-130	02/16/2010 0623
Bromodichloromethane	ND	50	36		1	73	70-130	02/16/2010 0623
Bromoform	ND	50	28	N	1	57	70-130	02/16/2010 0623
Bromomethane (Methyl bromide)	ND	50	42		1	83	60-140	02/16/2010 0623
2-Butanone (MEK)	ND	100	61		1	61	60-140	02/16/2010 0623
Carbon disulfide	ND	50	39		1	78	60-140	02/16/2010 0623
Carbon tetrachloride	ND	50	39		1	79	70-130	02/16/2010 0623
Chlorobenzene	ND	50	37		1	73	70-130	02/16/2010 0623
Chloroethane	ND	50	44		1	87	42-163	02/16/2010 0623
Chloroform	ND	50	39		1	79	70-130	02/16/2010 0623
Chloromethane (Methyl chloride)	ND	50	32		1	64	20-158	02/16/2010 0623
Cyclohexane	ND	50	42		1	84	70-130	02/16/2010 0623
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	33	N	1	65	70-130	02/16/2010 0623
Dibromochloromethane	ND	50	35		1	71	70-130	02/16/2010 0623
1,2-Dibromoethane (EDB)	ND	50	35	N	1	69	70-130	02/16/2010 0623
1,4-Dichlorobenzene	ND	50	35		1	70	70-130	02/16/2010 0623
1,3-Dichlorobenzene	ND	50	37		1	74	70-130	02/16/2010 0623
1,2-Dichlorobenzene	ND	50	38		1	76	70-130	02/16/2010 0623
Dichlorodifluoromethane	ND	50	26	N	1	51	60-140	02/16/2010 0623
1,2-Dichloroethane	ND	50	37		1	74	70-130	02/16/2010 0623
1,1-Dichloroethane	ND	50	39		1	78	70-130	02/16/2010 0623
trans-1,2-Dichloroethene	ND	50	39		1	78	70-130	02/16/2010 0623
cis-1,2-Dichloroethene	0.47	50	39		1	76	70-130	02/16/2010 0623
1,1-Dichloroethene	ND	50	40		1	81	70-130	02/16/2010 0623
1,2-Dichloropropane	ND	50	35	N	1	69	70-130	02/16/2010 0623
trans-1,3-Dichloropropene	ND	50	34	N	1	69	70-130	02/16/2010 0623
cis-1,3-Dichloropropene	ND	50	33	N	1	66	70-130	02/16/2010 0623
Ethylbenzene	ND	50	37		1	74	70-130	02/16/2010 0623
2-Hexanone	ND	100	58	N	1	58	60-140	02/16/2010 0623
Isopropylbenzene	ND	50	42		1	83	70-130	02/16/2010 0623
Methyl acetate	ND	50	32		1	64	15-128	02/16/2010 0623
Methyl tertiary butyl ether (MTBE)	ND	50	40		1	79	70-130	02/16/2010 0623
4-Methyl-2-pentanone	ND	100	65		1	65	60-140	02/16/2010 0623
Methylcyclohexane	ND	50	41		1	82	70-130	02/16/2010 0623
Methylene chloride	ND	50	42		1	85	70-130	02/16/2010 0623
Styrene	ND	50	36		1	72	70-130	02/16/2010 0623
1,1,2,2-Tetrachloroethane	ND	50	35		1	70	70-130	02/16/2010 0623
Tetrachloroethene	ND	50	38		1	76	70-130	02/16/2010 0623
Toluene	ND	50	36		1	72	70-130	02/16/2010 0623
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	41		1	81	70-130	02/16/2010 0623
1,2,4-Trichlorobenzene	ND	50	40		1	81	70-130	02/16/2010 0623
1,1,2-Trichloroethane	ND	50	34	N	1	69	70-130	02/16/2010 0623
1,1,1-Trichloroethane	ND	50	41		1	81	70-130	02/16/2010 0623

PQL = Practical quantitation limit

P = The RPD between 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: LB12007-009MS

Matrix: Aqueous

Batch: 27741

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
Trichloroethene	ND	50	37		1	75	70-130	02/16/2010 0623
Trichlorofluoromethane	ND	50	39		1	78	60-140	02/16/2010 0623
Vinyl chloride	ND	50	33		1	67	60-140	02/16/2010 0623
Xylenes (total)	ND	100	75		1	75	70-130	02/16/2010 0623
Surrogate	Q	% Rec	Acceptance Limit					
Bromofluorobenzene		98	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 - MSD

Sample ID: LB12007-009MD

Matrix: Aqueous

Batch: 27741

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	18	100	75	N	1	57	1.9	80-130	20	02/16/2010 0645
Benzene	ND	50	41		1	81	5.7	70-130	20	02/16/2010 0645
Bromodichloromethane	ND	50	40		1	79	8.5	70-130	20	02/16/2010 0645
Bromoform	ND	50	33	N	1	65	14	70-130	20	02/16/2010 0645
Bromomethane (Methyl bromide)	ND	50	41		1	83	0.63	60-140	20	02/16/2010 0645
2-Butanone (MEK)	ND	100	68		1	68	11	60-140	20	02/16/2010 0645
Carbon disulfide	ND	50	39		1	77	1.7	60-140	20	02/16/2010 0645
Carbon tetrachloride	ND	50	41		1	81	2.9	70-130	20	02/16/2010 0645
Chlorobenzene	ND	50	40		1	79	8.0	70-130	20	02/16/2010 0645
Chloroethane	ND	50	42		1	84	3.2	42-163	20	02/16/2010 0645
Chloroform	ND	50	40		1	79	0.92	70-130	20	02/16/2010 0645
Chloromethane (Methyl chloride)	ND	50	32		1	64	0.71	20-158	20	02/16/2010 0645
Cyclohexane	ND	50	42		1	85	0.77	70-130	20	02/16/2010 0645
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	36		1	72	9.2	70-130	20	02/16/2010 0645
Dibromochloromethane	ND	50	39		1	78	10	70-130	20	02/16/2010 0645
1,2-Dibromoethane (EDB)	ND	50	39		1	78	12	70-130	20	02/16/2010 0645
1,4-Dichlorobenzene	ND	50	38		1	77	8.6	70-130	20	02/16/2010 0645
1,3-Dichlorobenzene	ND	50	40		1	80	7.5	70-130	20	02/16/2010 0645
1,2-Dichlorobenzene	ND	50	40		1	80	5.3	70-130	20	02/16/2010 0645
Dichlorodifluoromethane	ND	50	26	N	1	52	0.35	60-140	20	02/16/2010 0645
1,2-Dichloroethane	ND	50	39		1	77	4.4	70-130	20	02/16/2010 0645
1,1-Dichloroethane	ND	50	38		1	76	1.7	70-130	20	02/16/2010 0645
trans-1,2-Dichloroethene	ND	50	39		1	77	1.3	70-130	20	02/16/2010 0645
cis-1,2-Dichloroethene	0.47	50	39		1	77	1.1	70-130	20	02/16/2010 0645
1,1-Dichloroethene	ND	50	40		1	81	0.53	70-130	20	02/16/2010 0645
1,2-Dichloropropane	ND	50	38		1	76	9.0	70-130	20	02/16/2010 0645
trans-1,3-Dichloropropene	ND	50	39		1	78	13	70-130	20	02/16/2010 0645
cis-1,3-Dichloropropene	ND	50	38		1	77	15	70-130	20	02/16/2010 0645
Ethylbenzene	ND	50	40		1	81	8.3	70-130	20	02/16/2010 0645
2-Hexanone	ND	100	71		1	71	20	60-140	20	02/16/2010 0645
Isopropylbenzene	ND	50	43		1	85	2.8	70-130	20	02/16/2010 0645
Methyl acetate	ND	50	33		1	67	4.0	15-128	20	02/16/2010 0645
Methyl tertiary butyl ether (MTBE)	ND	50	39		1	78	1.8	70-130	20	02/16/2010 0645
4-Methyl-2-pentanone	ND	100	75		1	75	14	60-140	20	02/16/2010 0645
Methylcyclohexane	ND	50	42		1	83	1.1	70-130	20	02/16/2010 0645
Methylene chloride	ND	50	42		1	83	1.7	70-130	20	02/16/2010 0645
Styrene	ND	50	39		1	78	7.0	70-130	20	02/16/2010 0645
1,1,2,2-Tetrachloroethane	ND	50	38		1	75	7.8	70-130	20	02/16/2010 0645
Tetrachloroethene	ND	50	40		1	80	5.2	70-130	20	02/16/2010 0645
Toluene	ND	50	40		1	81	12	70-130	20	02/16/2010 0645
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	40		1	80	1.3	70-130	20	02/16/2010 0645
1,2,4-Trichlorobenzene	ND	50	40		1	79	2.0	70-130	20	02/16/2010 0645
1,1,2-Trichloroethane	ND	50	38		1	75	9.1	70-130	20	02/16/2010 0645
1,1,1-Trichloroethane	ND	50	41		1	82	1.4	70-130	20	02/16/2010 0645

PQL = Practical quantitation limit

P = The RPD between 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: LB12007-009MD

Matrix: Aqueous

Batch: 27741

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
Trichloroethene	ND	50	40		1	80	6.8	70-130	20	02/16/2010 0645
Trichlorofluoromethane	ND	50	39		1	79	1.4	60-140	20	02/16/2010 0645
Vinyl chloride	ND	50	33		1	67	0.50	60-140	20	02/16/2010 0645
Xylenes (total)	ND	100	79		1	79	5.9	70-130	20	02/16/2010 0645
Surrogate	Q	% Rec	Acceptance Limit							
Bromofluorobenzene		100	70-130							
1,2-Dichloroethane-d4		97	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 - MB

Sample ID: LQ27747-001

Matrix: Aqueous

Batch: 27747

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	10	0.061	ug/L	02/16/2010 0921
Benzene	ND		1	0.50	0.027	ug/L	02/16/2010 0921
Bromodichloromethane	ND		1	0.50	0.17	ug/L	02/16/2010 0921
Bromoform	ND		1	0.50	0.010	ug/L	02/16/2010 0921
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	02/16/2010 0921
2-Butanone (MEK)	ND		1	10	2.0	ug/L	02/16/2010 0921
Carbon disulfide	ND		1	0.50	0.097	ug/L	02/16/2010 0921
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	02/16/2010 0921
Chlorobenzene	ND		1	0.50	0.17	ug/L	02/16/2010 0921
Chloroethane	ND		1	0.50	0.17	ug/L	02/16/2010 0921
Chloroform	ND		1	0.50	0.17	ug/L	02/16/2010 0921
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	02/16/2010 0921
Cyclohexane	ND		1	0.50	0.30	ug/L	02/16/2010 0921
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	02/16/2010 0921
Dibromochloromethane	ND		1	0.50	0.17	ug/L	02/16/2010 0921
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	02/16/2010 0921
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/16/2010 0921
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/16/2010 0921
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/16/2010 0921
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	02/16/2010 0921
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	02/16/2010 0921
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	02/16/2010 0921
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	02/16/2010 0921
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	02/16/2010 0921
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	02/16/2010 0921
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	02/16/2010 0921
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	02/16/2010 0921
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	02/16/2010 0921
Ethylbenzene	ND		1	0.50	0.17	ug/L	02/16/2010 0921
2-Hexanone	ND		1	10	0.27	ug/L	02/16/2010 0921
Isopropylbenzene	ND		1	0.50	0.029	ug/L	02/16/2010 0921
Methyl acetate	ND		1	1.0	0.30	ug/L	02/16/2010 0921
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	02/16/2010 0921
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	02/16/2010 0921
Methylcyclohexane	ND		1	5.0	0.95	ug/L	02/16/2010 0921
Methylene chloride	ND		1	0.50	0.17	ug/L	02/16/2010 0921
Styrene	ND		1	0.50	0.015	ug/L	02/16/2010 0921
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	02/16/2010 0921
Tetrachloroethene	ND		1	0.50	0.014	ug/L	02/16/2010 0921
Toluene	ND		1	0.50	0.17	ug/L	02/16/2010 0921
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	02/16/2010 0921
1,2,4-Trichlorobenzene	ND		1	0.50	0.17	ug/L	02/16/2010 0921
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	02/16/2010 0921
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	02/16/2010 0921

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LQ27747-001

Matrix: Aqueous

Batch: 27747

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.024	ug/L	02/16/2010 0921
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	02/16/2010 0921
Vinyl chloride	ND		1	0.50	0.065	ug/L	02/16/2010 0921
Xylenes (total)	ND		1	0.50	0.17	ug/L	02/16/2010 0921
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		116	70-130				
1,2-Dichloroethane-d4		114	70-130				
Toluene-d8		111	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: LQ27747-002

Matrix: Aqueous

Batch: 27747

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	02/16/2010 0755
Benzene	50	54		1	108	70-130	02/16/2010 0755
Bromodichloromethane	50	46		1	91	70-130	02/16/2010 0755
Bromoform	50	58		1	116	70-130	02/16/2010 0755
Bromomethane (Methyl bromide)	50	54		1	108	60-140	02/16/2010 0755
2-Butanone (MEK)	100	93		1	93	60-140	02/16/2010 0755
Carbon disulfide	50	55		1	110	60-140	02/16/2010 0755
Carbon tetrachloride	50	52		1	104	70-130	02/16/2010 0755
Chlorobenzene	50	44		1	89	70-130	02/16/2010 0755
Chloroethane	50	55		1	110	42-163	02/16/2010 0755
Chloroform	50	46		1	93	70-130	02/16/2010 0755
Chloromethane (Methyl chloride)	50	47		1	94	20-158	02/16/2010 0755
Cyclohexane	50	49		1	98	70-130	02/16/2010 0755
1,2-Dibromo-3-chloropropane (DBCP)	50	52		1	105	70-130	02/16/2010 0755
Dibromochloromethane	50	50		1	100	70-130	02/16/2010 0755
1,2-Dibromoethane (EDB)	50	45		1	89	70-130	02/16/2010 0755
1,4-Dichlorobenzene	50	53		1	107	70-130	02/16/2010 0755
1,3-Dichlorobenzene	50	54		1	108	70-130	02/16/2010 0755
1,2-Dichlorobenzene	50	55		1	111	70-130	02/16/2010 0755
Dichlorodifluoromethane	50	36		1	71	60-140	02/16/2010 0755
1,2-Dichloroethane	50	45		1	90	70-130	02/16/2010 0755
1,1-Dichloroethane	50	47		1	93	70-130	02/16/2010 0755
trans-1,2-Dichloroethene	50	48		1	96	70-130	02/16/2010 0755
cis-1,2-Dichloroethene	50	54		1	109	70-130	02/16/2010 0755
1,1-Dichloroethene	50	50		1	99	70-130	02/16/2010 0755
1,2-Dichloropropane	50	44		1	88	70-130	02/16/2010 0755
trans-1,3-Dichloropropene	50	52		1	104	70-130	02/16/2010 0755
cis-1,3-Dichloropropene	50	50		1	99	70-130	02/16/2010 0755
Ethylbenzene	50	46		1	92	70-130	02/16/2010 0755
2-Hexanone	100	88		1	88	60-140	02/16/2010 0755
Isopropylbenzene	50	48		1	97	70-130	02/16/2010 0755
Methyl acetate	50	55		1	110	15-128	02/16/2010 0755
Methyl tertiary butyl ether (MTBE)	50	54		1	109	70-130	02/16/2010 0755
4-Methyl-2-pentanone	100	88		1	88	60-140	02/16/2010 0755
Methylcyclohexane	50	52		1	105	70-130	02/16/2010 0755
Methylene chloride	50	55		1	111	70-130	02/16/2010 0755
Styrene	50	48		1	95	70-130	02/16/2010 0755
1,1,2,2-Tetrachloroethane	50	47		1	93	70-130	02/16/2010 0755
Tetrachloroethene	50	52		1	104	70-130	02/16/2010 0755
Toluene	50	43		1	87	70-130	02/16/2010 0755
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	52		1	103	70-130	02/16/2010 0755
1,2,4-Trichlorobenzene	50	57		1	114	70-130	02/16/2010 0755
1,1,2-Trichloroethane	50	44		1	89	70-130	02/16/2010 0755
1,1,1-Trichloroethane	50	49		1	99	70-130	02/16/2010 0755

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LQ27747-002

Matrix: Aqueous

Batch: 27747

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	46		1	92	70-130	02/16/2010 0755
Trichlorofluoromethane	50	49		1	99	60-140	02/16/2010 0755
Vinyl chloride	50	43		1	87	60-140	02/16/2010 0755
Xylenes (total)	100	100		1	101	70-130	02/16/2010 0755
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		115	70-130				
1,2-Dichloroethane-d4		115	70-130				
Toluene-d8		111	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: LQ27747-003

Matrix: Aqueous

Batch: 27747

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	91		1	91	13	46-153	20	02/16/2010 0817
Benzene	50	55		1	110	1.6	70-130	20	02/16/2010 0817
Bromodichloromethane	50	47		1	93	2.1	70-130	20	02/16/2010 0817
Bromoform	50	62		1	124	6.5	70-130	20	02/16/2010 0817
Bromomethane (Methyl bromide)	50	51		1	102	4.9	60-140	20	02/16/2010 0817
2-Butanone (MEK)	100	93		1	93	0.60	60-140	20	02/16/2010 0817
Carbon disulfide	50	53		1	106	3.7	60-140	20	02/16/2010 0817
Carbon tetrachloride	50	51		1	103	1.4	70-130	20	02/16/2010 0817
Chlorobenzene	50	47		1	93	4.9	70-130	20	02/16/2010 0817
Chloroethane	50	52		1	104	5.5	42-163	20	02/16/2010 0817
Chloroform	50	45		1	91	1.9	70-130	20	02/16/2010 0817
Chloromethane (Methyl chloride)	50	43		1	87	7.8	20-158	20	02/16/2010 0817
Cyclohexane	50	46		1	92	6.8	70-130	20	02/16/2010 0817
1,2-Dibromo-3-chloropropane (DBCP)	50	56		1	112	6.5	70-130	20	02/16/2010 0817
Dibromochloromethane	50	53		1	105	4.7	70-130	20	02/16/2010 0817
1,2-Dibromoethane (EDB)	50	47		1	95	6.3	70-130	20	02/16/2010 0817
1,4-Dichlorobenzene	50	57		1	113	5.9	70-130	20	02/16/2010 0817
1,3-Dichlorobenzene	50	56		1	113	4.4	70-130	20	02/16/2010 0817
1,2-Dichlorobenzene	50	59		1	117	5.5	70-130	20	02/16/2010 0817
Dichlorodifluoromethane	50	34		1	68	4.6	60-140	20	02/16/2010 0817
1,2-Dichloroethane	50	44		1	87	3.1	70-130	20	02/16/2010 0817
1,1-Dichloroethane	50	46		1	91	2.6	70-130	20	02/16/2010 0817
trans-1,2-Dichloroethene	50	46		1	93	2.8	70-130	20	02/16/2010 0817
cis-1,2-Dichloroethene	50	53		1	106	2.8	70-130	20	02/16/2010 0817
1,1-Dichloroethene	50	48		1	96	3.2	70-130	20	02/16/2010 0817
1,2-Dichloropropane	50	45		1	90	2.4	70-130	20	02/16/2010 0817
trans-1,3-Dichloropropene	50	54		1	108	3.8	70-130	20	02/16/2010 0817
cis-1,3-Dichloropropene	50	51		1	103	3.9	70-130	20	02/16/2010 0817
Ethylbenzene	50	48		1	96	4.0	70-130	20	02/16/2010 0817
2-Hexanone	100	91		1	91	3.7	60-140	20	02/16/2010 0817
Isopropylbenzene	50	49		1	97	0.78	70-130	20	02/16/2010 0817
Methyl acetate	50	52		1	104	5.8	15-128	20	02/16/2010 0817
Methyl tertiary butyl ether (MTBE)	50	53		1	106	3.0	70-130	20	02/16/2010 0817
4-Methyl-2-pentanone	100	88		1	88	0.50	60-140	20	02/16/2010 0817
Methylcyclohexane	50	52		1	104	0.48	70-130	20	02/16/2010 0817
Methylene chloride	50	54		1	107	3.3	70-130	20	02/16/2010 0817
Styrene	50	51		1	101	6.4	70-130	20	02/16/2010 0817
1,1,2,2-Tetrachloroethane	50	47		1	93	0.20	70-130	20	02/16/2010 0817
Tetrachloroethene	50	56		1	112	6.7	70-130	20	02/16/2010 0817
Toluene	50	45		1	90	3.9	70-130	20	02/16/2010 0817
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	51		1	102	1.7	70-130	20	02/16/2010 0817
1,2,4-Trichlorobenzene	50	60		1	119	4.2	70-130	20	02/16/2010 0817
1,1,2-Trichloroethane	50	47		1	93	4.7	70-130	20	02/16/2010 0817
1,1,1-Trichloroethane	50	49		1	97	1.7	70-130	20	02/16/2010 0817

PQL = Practical quantitation limit

P = The RPD between 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: LQ27747-003

Matrix: Aqueous

Batch: 27747

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	2.9	70-130	20	02/16/2010 0817
Trichlorofluoromethane	50	48		1	96	2.3	60-140	20	02/16/2010 0817
Vinyl chloride	50	41		1	82	6.2	60-140	20	02/16/2010 0817
Xylenes (total)	100	110		1	106	4.7	70-130	20	02/16/2010 0817
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		116	70-130						
1,2-Dichloroethane-d4		109	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 $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LB12007-020MS

Matrix: Aqueous

Batch: 27747

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	1.1	100	99		1	99	80-130	02/16/2010 1710
Benzene	ND	50	56		1	112	70-130	02/16/2010 1710
Bromodichloromethane	ND	50	47		1	95	70-130	02/16/2010 1710
Bromoform	ND	50	57		1	113	70-130	02/16/2010 1710
Bromomethane (Methyl bromide)	ND	50	55		1	110	60-140	02/16/2010 1710
2-Butanone (MEK)	ND	100	100		1	101	60-140	02/16/2010 1710
Carbon disulfide	ND	50	57		1	114	60-140	02/16/2010 1710
Carbon tetrachloride	ND	50	52		1	105	70-130	02/16/2010 1710
Chlorobenzene	ND	50	48		1	95	70-130	02/16/2010 1710
Chloroethane	ND	50	58		1	115	42-163	02/16/2010 1710
Chloroform	ND	50	46		1	93	70-130	02/16/2010 1710
Chloromethane (Methyl chloride)	ND	50	50		1	101	20-158	02/16/2010 1710
Cyclohexane	ND	50	50		1	99	70-130	02/16/2010 1710
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	53		1	107	70-130	02/16/2010 1710
Dibromochloromethane	ND	50	52		1	104	70-130	02/16/2010 1710
1,2-Dibromoethane (EDB)	ND	50	49		1	98	70-130	02/16/2010 1710
1,4-Dichlorobenzene	ND	50	57		1	113	70-130	02/16/2010 1710
1,3-Dichlorobenzene	ND	50	57		1	114	70-130	02/16/2010 1710
1,2-Dichlorobenzene	ND	50	57		1	114	70-130	02/16/2010 1710
Dichlorodifluoromethane	ND	50	52		1	105	60-140	02/16/2010 1710
1,2-Dichloroethane	ND	50	46		1	92	70-130	02/16/2010 1710
1,1-Dichloroethane	ND	50	47		1	93	70-130	02/16/2010 1710
trans-1,2-Dichloroethene	ND	50	47		1	95	70-130	02/16/2010 1710
cis-1,2-Dichloroethene	ND	50	54		1	108	70-130	02/16/2010 1710
1,1-Dichloroethene	ND	50	50		1	99	70-130	02/16/2010 1710
1,2-Dichloropropane	ND	50	46		1	93	70-130	02/16/2010 1710
trans-1,3-Dichloropropene	ND	50	55		1	109	70-130	02/16/2010 1710
cis-1,3-Dichloropropene	ND	50	52		1	103	70-130	02/16/2010 1710
Ethylbenzene	ND	50	48		1	96	70-130	02/16/2010 1710
2-Hexanone	ND	100	97		1	97	60-140	02/16/2010 1710
Isopropylbenzene	ND	50	50		1	100	70-130	02/16/2010 1710
Methyl acetate	ND	50	55		1	110	15-128	02/16/2010 1710
Methyl tertiary butyl ether (MTBE)	ND	50	55		1	110	70-130	02/16/2010 1710
4-Methyl-2-pentanone	ND	100	94		1	94	60-140	02/16/2010 1710
Methylcyclohexane	ND	50	53		1	106	70-130	02/16/2010 1710
Methylene chloride	ND	50	54		1	109	70-130	02/16/2010 1710
Styrene	ND	50	49		1	98	70-130	02/16/2010 1710
1,1,2,2-Tetrachloroethane	ND	50	48		1	97	70-130	02/16/2010 1710
Tetrachloroethene	ND	50	57		1	113	70-130	02/16/2010 1710
Toluene	ND	50	46		1	92	70-130	02/16/2010 1710
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	53		1	106	70-130	02/16/2010 1710
1,2,4-Trichlorobenzene	ND	50	58		1	116	70-130	02/16/2010 1710
1,1,2-Trichloroethane	ND	50	49		1	97	70-130	02/16/2010 1710
1,1,1-Trichloroethane	ND	50	50		1	99	70-130	02/16/2010 1710

PQL = Practical quantitation limit

P = The RPD between 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: LB12007-020MS

Matrix: Aqueous

Batch: 27747

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
Trichloroethene	ND	50	48		1	96	70-130	02/16/2010 1710
Trichlorofluoromethane	ND	50	53		1	105	60-140	02/16/2010 1710
Vinyl chloride	ND	50	47		1	94	60-140	02/16/2010 1710
Xylenes (total)	ND	100	110		1	106	70-130	02/16/2010 1710
Surrogate	Q	% Rec	Acceptance Limit					
Bromofluorobenzene		114	70-130					
1,2-Dichloroethane-d4		112	70-130					
Toluene-d8		111	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 - MSD

Sample ID: LB12007-020MD

Matrix: Aqueous

Batch: 27747

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	1.1	100	96		1	96	3.2	80-130	20	02/16/2010 1732
Benzene	ND	50	56		1	113	0.82	70-130	20	02/16/2010 1732
Bromodichloromethane	ND	50	47		1	95	0.33	70-130	20	02/16/2010 1732
Bromoform	ND	50	56		1	113	0.63	70-130	20	02/16/2010 1732
Bromomethane (Methyl bromide)	ND	50	57		1	115	4.3	60-140	20	02/16/2010 1732
2-Butanone (MEK)	ND	100	98		1	98	3.6	60-140	20	02/16/2010 1732
Carbon disulfide	ND	50	57		1	115	0.68	60-140	20	02/16/2010 1732
Carbon tetrachloride	ND	50	52		1	104	0.58	70-130	20	02/16/2010 1732
Chlorobenzene	ND	50	47		1	94	0.66	70-130	20	02/16/2010 1732
Chloroethane	ND	50	59		1	117	1.7	42-163	20	02/16/2010 1732
Chloroform	ND	50	47		1	93	0.48	70-130	20	02/16/2010 1732
Chloromethane (Methyl chloride)	ND	50	52		1	104	2.9	20-158	20	02/16/2010 1732
Cyclohexane	ND	50	48		1	97	2.3	70-130	20	02/16/2010 1732
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	55		1	110	2.9	70-130	20	02/16/2010 1732
Dibromochloromethane	ND	50	51		1	102	2.1	70-130	20	02/16/2010 1732
1,2-Dibromoethane (EDB)	ND	50	49		1	97	1.2	70-130	20	02/16/2010 1732
1,4-Dichlorobenzene	ND	50	57		1	114	0.53	70-130	20	02/16/2010 1732
1,3-Dichlorobenzene	ND	50	56		1	113	1.1	70-130	20	02/16/2010 1732
1,2-Dichlorobenzene	ND	50	58		1	116	2.0	70-130	20	02/16/2010 1732
Dichlorodifluoromethane	ND	50	51		1	102	2.2	60-140	20	02/16/2010 1732
1,2-Dichloroethane	ND	50	46		1	92	0.0043	70-130	20	02/16/2010 1732
1,1-Dichloroethane	ND	50	47		1	94	0.58	70-130	20	02/16/2010 1732
trans-1,2-Dichloroethene	ND	50	48		1	96	1.8	70-130	20	02/16/2010 1732
cis-1,2-Dichloroethene	ND	50	55		1	109	0.83	70-130	20	02/16/2010 1732
1,1-Dichloroethene	ND	50	50		1	101	1.4	70-130	20	02/16/2010 1732
1,2-Dichloropropane	ND	50	46		1	93	0.10	70-130	20	02/16/2010 1732
trans-1,3-Dichloropropene	ND	50	54		1	108	1.3	70-130	20	02/16/2010 1732
cis-1,3-Dichloropropene	ND	50	51		1	103	0.78	70-130	20	02/16/2010 1732
Ethylbenzene	ND	50	48		1	97	0.57	70-130	20	02/16/2010 1732
2-Hexanone	ND	100	95		1	95	2.4	60-140	20	02/16/2010 1732
Isopropylbenzene	ND	50	49		1	98	1.5	70-130	20	02/16/2010 1732
Methyl acetate	ND	50	55		1	110	0.018	15-128	20	02/16/2010 1732
Methyl tertiary butyl ether (MTBE)	ND	50	55		1	110	0.57	70-130	20	02/16/2010 1732
4-Methyl-2-pentanone	ND	100	93		1	93	1.9	60-140	20	02/16/2010 1732
Methylcyclohexane	ND	50	53		1	106	0.29	70-130	20	02/16/2010 1732
Methylene chloride	ND	50	55		1	109	0.46	70-130	20	02/16/2010 1732
Styrene	ND	50	48		1	97	1.1	70-130	20	02/16/2010 1732
1,1,2,2-Tetrachloroethane	ND	50	48		1	96	0.80	70-130	20	02/16/2010 1732
Tetrachloroethene	ND	50	56		1	112	0.90	70-130	20	02/16/2010 1732
Toluene	ND	50	47		1	93	1.1	70-130	20	02/16/2010 1732
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	54		1	109	2.0	70-130	20	02/16/2010 1732
1,2,4-Trichlorobenzene	ND	50	60		1	119	2.9	70-130	20	02/16/2010 1732
1,1,2-Trichloroethane	ND	50	48		1	96	1.3	70-130	20	02/16/2010 1732
1,1,1-Trichloroethane	ND	50	50		1	100	0.86	70-130	20	02/16/2010 1732

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P = The RPD between two GC columns exceeds 40%

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ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LB12007-020MD

Matrix: Aqueous

Batch: 27747

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
Trichloroethene	ND	50	49		1	97	1.7	70-130	20	02/16/2010 1732
Trichlorofluoromethane	ND	50	53		1	106	0.32	60-140	20	02/16/2010 1732
Vinyl chloride	ND	50	48		1	96	1.5	60-140	20	02/16/2010 1732
Xylenes (total)	ND	100	110		1	105	0.73	70-130	20	02/16/2010 1732
Surrogate	Q	% Rec	Acceptance Limit							
Bromofluorobenzene		115	70-130							
1,2-Dichloroethane-d4		112	70-130							
Toluene-d8		112	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



SHEALY ENVIRONMENTAL SERVICES, INC.

106 Vantage Point Drive

West Columbia, South Carolina 29172

Telephone No. (803) 791-8700 Fax No. (803) 791-9111

Number 105925

Client: Accardi's		Report to Contact: Janet Christy		Telephone No. / Fax No. / E-mail: 770-296-1259		Quote No.	
Address: 2849 Paces Ferry Rd		Sampler's Signature: <i>[Signature]</i>		Waybill No.		Page: 1 of 3	
City: Atlanta		Printed Name: Ryan Kontos / Robert B. Shealy		Analysis (Attach list if more space is needed):		Lot No. LB 12007	
State: GA		Zip Code: 30339		VOCs (Attach list)		Tetrakis / Cooler ID	
Project Name: Hunter H17 Report		Project No. GPOBHAES, H17B.D60FI		MS/MSD 9 x 40L			
Sample ID / Description		Date		Time			
AF-SG (2-10-10)		2/10/10		0859		3	
AF-G9 (2-10-10)		2/10/10		0855		3	
AF-14 (2-10-10)		2/10/10		1043		3	
AF-23 (2-10-10)		2/10/10		1120		9	
AF-13 (2-10-10)		2/10/10		1210		3	
AF-53 (2-10-10)		2/10/10		1240		3	
AF-54 (2-10-10)		2/10/10		1302		3	
AF-68 (2-10-10)		2/10/10		1347		3	
AF-57 (2-10-10)		2/10/10		1442		3	
DUP-1		2/10/10		—		3	

Possible Hazard Identification		Sample Disposal	
☐ Never Hazard	☐ Flammable	☐ Return to Client	☒ Disposed by Lab
☐ Skin Irritant	☐ Poison	☒ GC Measurements (Specify)	
Turn Around Time Required (Prior to approval required for expedited TAT)			
☒ Standard ☐ Rush (Specify)			
1. Relinquished by		2. Relinquished by	
Date: 2-11-10 Time: 1730		Date: 2-12-10 Time: 0901	
3. Relinquished by		LAB USE ONLY	
Date: 2-12-10 Time: 0901		Flashed on ice (Circle) Yes ☒ No ☐	
Comments: FedEx		Flashed Temp: 4.1 °C	

DISTRIBUTION: WHITE & YELLOW Return to laboratory with Samples; Pink Field/Client Copy

Document Number: EAD-012 Effective Date: 06-01-02



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 105926

Client Accadis		Report to Contact Tanet Christy		Telephone No. / Fax No. / Email 770-296-1259		Quote No.	
Address 2849 Paces Ferry Rd		Sample's Signature <i>[Signature]</i>		Waybill No.		Page 2 of 3	
City Atlanta		State GA		Zip Code 30339		Analyses (Attach list if more space is needed.)	
Project Name Hunter H17 Report		United Name Ryan Kontos / Robert B. Shely		Lot No. LB12007		Blankets / Correl. ID.	
Project No. GPO8HAFS.H17B.DGOFI		Sample ID / Description (Containers for each sample may be combined on one line.)		Matrix		No. of Containers by Preservative Type	
P.O. No.		Date		Time		Matrix	
AF-41 (2-10-10)		2/10/10		1552		G X	
AF-58 (2-11-10)		2/11/10		0937		G X	
AF-35 (2-11-10)		2/11/10		0940		G X	
AF-25 (2-11-10)		2/11/10		1027		G X	
AF-26 (2-11-10)		2/11/10		1049		G X	
MW-12S (2-11-10)		2/11/10		1319		G X	
MW-12D (2-11-10)		2/11/10		1330		G X	
MW-7D (2-11-10)		2/11/10		1423		G X	
MW-07S (2-11-10)		2/11/10		1437		G X	
MW-25 (2-11-10)		2/11/10		1646		G X	
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown		Sample Disposal ☐ Return to Client ☐ Dispose by Lab		OC Requirements (Specify)		Matrix: All samples are retained for six weeks from receipt unless other arrangements are made.	
Turn Around Time Required (Prior lab approval required for expedited TAT) ☒ Standard ☐ Rush (Specify)		Date 2/11/10		Time 1730		Date 2/12/10	
1. Requested by <i>[Signature]</i>		Date 2/12/10		Time 0905		Date 2/12/10	
2. Requested by <i>[Signature]</i>		Date 2/12/10		Time 0905		Date 2/12/10	
3. Requested by FedEx		Date 2/12/10		Time 0905		Date 2/12/10	
Comments		LAG USE ONLY Received on (Circle) Yes No		Receipt Temp. 4.1 °C		Receipt No.	

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Samples; PINK-Field/Client Copy

Document Number: F-40-012 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: EC 7/12/10 Lot #: LB12007

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>4-11</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 _____ (H2SO4, HNO3, 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) _____ analyzed by method 330.5.		

871525021813

2/11/10 FedEx Tracking Number

BOBBY SHEALY

Phone 864 216-3450

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐

SESI employee: _____

Comments: _____

Company: ARCADIS

Address: 30 PATEWOOD DR STE 125

City: GREENVILLE

State: SC ZIP: 29615-6809

Internal Billing Reference: GPO8HAFS.H17B.DG0FI

Report of Analysis

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

Project Name: Hunter Stewart H17

Project Number: GP08HAFS.H17B.DG0FI

Lot Number: LB18061

Date Completed: 02/25/2010



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.

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SHEALY ENVIRONMENTAL SERVICES, INC.

SC DHEC No: 32010

NELAC No: E87653

NC DEHNR No: 329

Case Narrative ARCADIS U.S., Inc. Lot Number: LB18061

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.

Volatile Organic Compounds

The LCS recovery for Dichlorodifluoromethane was slightly outside method control limits in batch 28053. The LCSD recovery for Bromoform was slightly outside method control limits in batch 28053. 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.

SHEALY ENVIRONMENTAL SERVICES, INC.

Sample Summary ARCADIS U.S., Inc. Lot Number: LB18061

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	MW-5D (2-16-10)	Aqueous	02/16/2010 0839	02/18/2010
002	MW-5S (2-16-10)	Aqueous	02/16/2010 0932	02/18/2010
003	MW-13D (2-16-10)	Aqueous	02/16/2010 1103	02/18/2010
004	MW-13S (2-16-10)	Aqueous	02/16/2010 1148	02/18/2010
005	MW-9S (2-16-10)	Aqueous	02/16/2010 1247	02/18/2010
006	MW-9D (2-16-10)	Aqueous	02/16/2010 1337	02/18/2010
007	MW-8S (2-16-10)	Aqueous	02/16/2010 1453	02/18/2010
008	MW-8D (2-16-10)	Aqueous	02/16/2010 1546	02/18/2010
009	MW-16S (2-17-10)	Aqueous	02/17/2010 1012	02/18/2010
010	AT-MW-3 (2-17-10)	Aqueous	02/17/2010 1314	02/18/2010
011	AT-MW-5 (2-17-10)	Aqueous	02/17/2010 1408	02/18/2010
012	AT-MW-2 (2-17-10)	Aqueous	02/17/2010 1516	02/18/2010
013	AT-MW-1 (2-17-10)	Aqueous	02/17/2010 1615	02/18/2010
014	AT-MW-4 (2-17-10)	Aqueous	02/17/2010 1726	02/18/2010
015	DUP-2	Aqueous	02/17/2010 1200	02/18/2010
016	TRIP BLANK	Aqueous	02/18/2010 0910	02/18/2010
017	MW-15S (2-19-10)	Aqueous	02/19/2010 0922	02/20/2010
018	TRIP BLANK	Aqueous	02/20/2010 1040	02/20/2010

(18 samples)

SHEALY ENVIRONMENTAL SERVICES, INC.

Executive Summary

ARCADIS U.S., Inc.

Lot Number: LB18061

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
005	MW-9S (2-16-10)	Aqueous	1,1-Dichloroethene	8260B	1.8		ug/L	13
006	MW-9D (2-16-10)	Aqueous	Acetone	8260B	18		ug/L	15
006	MW-9D (2-16-10)	Aqueous	1,1-Dichloroethene	8260B	0.40	J	ug/L	15
007	MW-8S (2-16-10)	Aqueous	Acetone	8260B	18		ug/L	17
008	MW-8D (2-16-10)	Aqueous	1,1-Dichloroethene	8260B	5.1		ug/L	19
009	MW-16S (2-17-10)	Aqueous	1,1-Dichloroethene	8260B	0.49	J	ug/L	21
009	MW-16S (2-17-10)	Aqueous	Vinyl chloride	8260B	1.3		ug/L	22
010	AT-MW-3 (2-17-10)	Aqueous	Barium	6010C	0.020	J	mg/L	25
011	AT-MW-5 (2-17-10)	Aqueous	Acetone	8260B	18		ug/L	26
011	AT-MW-5 (2-17-10)	Aqueous	Chloroform	8260B	0.30	J	ug/L	26
011	AT-MW-5 (2-17-10)	Aqueous	Ethylbenzene	8260B	0.20	J	ug/L	26
011	AT-MW-5 (2-17-10)	Aqueous	Isopropylbenzene	8260B	0.56		ug/L	26
012	AT-MW-2 (2-17-10)	Aqueous	Barium	6010C	0.0094	J	mg/L	31
012	AT-MW-2 (2-17-10)	Aqueous	Chromium	6010C	0.0022	J	mg/L	31
013	AT-MW-1 (2-17-10)	Aqueous	cis-1,2-Dichloroethene	8260B	0.63		ug/L	32
013	AT-MW-1 (2-17-10)	Aqueous	Trichloroethene	8260B	14		ug/L	33
013	AT-MW-1 (2-17-10)	Aqueous	Barium	6010C	0.028		mg/L	34
014	AT-MW-4 (2-17-10)	Aqueous	Barium	6010C	0.037		mg/L	37
014	AT-MW-4 (2-17-10)	Aqueous	Chromium	6010C	0.0022	J	mg/L	37
015	DUP-2	Aqueous	Acetone	8260B	18		ug/L	38
015	DUP-2	Aqueous	Barium	6010C	0.021	J	mg/L	40
016	TRIP BLANK	Aqueous	Acetone	8260B	18		ug/L	41
018	TRIP BLANK	Aqueous	Styrene	8260B	0.18	J	ug/L	45

(23 detections)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: LB18061-001			
Description: MW-5D (2-16-10)				Matrix: Aqueous			
Date Sampled: 02/16/2010 0839							
Date Received: 02/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/23/2010 0020	Analyst DLB	Prep Date	Batch 28053		
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: LB18061-001			
Description: MW-5D (2-16-10)				Matrix: Aqueous			
Date Sampled: 02/16/2010 0839							
Date Received: 02/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/23/2010 0020	Analyst DLB	Prep Date	Batch 28053

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		103	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

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: LB18061-002			
Description: MW-5S (2-16-10)				Matrix: Aqueous			
Date Sampled: 02/16/2010 0932							
Date Received: 02/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/23/2010 0042	Analyst DLB	Prep Date	Batch 28053		
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 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: LB18061-002			
Description: MW-5S (2-16-10)				Matrix: Aqueous			
Date Sampled: 02/16/2010 0932							
Date Received: 02/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/23/2010 0042	Analyst DLB	Prep Date	Batch 28053

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		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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: LB18061-003			
Description: MW-13D (2-16-10)				Matrix: Aqueous			
Date Sampled: 02/16/2010 1103							
Date Received: 02/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/23/2010 0104	Analyst DLB	Prep Date	Batch 28053		
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 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: LB18061-003			
Description: MW-13D (2-16-10)				Matrix: Aqueous			
Date Sampled: 02/16/2010 1103							
Date Received: 02/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/23/2010 0104	Analyst DLB	Prep Date	Batch 28053

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		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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: LB18061-004			
Description: MW-13S (2-16-10)				Matrix: Aqueous			
Date Sampled: 02/16/2010 1148							
Date Received: 02/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/23/2010 0126	Analyst DLB	Prep Date	Batch 28053		
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 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: LB18061-004			
Description: MW-13S (2-16-10)				Matrix: Aqueous			
Date Sampled: 02/16/2010 1148							
Date Received: 02/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/23/2010 0126	Analyst DLB	Prep Date	Batch 28053

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		104	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: LB18061-005			
Description: MW-9S (2-16-10)				Matrix: Aqueous			
Date Sampled: 02/16/2010 1247							
Date Received: 02/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/23/2010 0148	Analyst DLB	Prep Date	Batch 28053		
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	1.8		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: LB18061-005			
Description: MW-9S (2-16-10)				Matrix: Aqueous			
Date Sampled: 02/16/2010 1247							
Date Received: 02/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/23/2010 0148	Analyst DLB	Prep Date	Batch 28053

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		103	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: LB18061-006			
Description: MW-9D (2-16-10)				Matrix: Aqueous			
Date Sampled: 02/16/2010 1337							
Date Received: 02/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/23/2010 0210	Analyst DLB	Prep Date	Batch 28053		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	18		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	0.40	J	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: LB18061-006			
Description: MW-9D (2-16-10)				Matrix: Aqueous			
Date Sampled: 02/16/2010 1337							
Date Received: 02/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/23/2010 0210	Analyst DLB	Prep Date	Batch 28053

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		104	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: LB18061-007			
Description: MW-8S (2-16-10)				Matrix: Aqueous			
Date Sampled: 02/16/2010 1453							
Date Received: 02/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/23/2010 0232	Analyst DLB	Prep Date	Batch 28053		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	18		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: LB18061-007			
Description: MW-8S (2-16-10)				Matrix: Aqueous			
Date Sampled: 02/16/2010 1453							
Date Received: 02/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/23/2010 0232	Analyst DLB	Prep Date	Batch 28053

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		103	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: LB18061-008			
Description: MW-8D (2-16-10)				Matrix: Aqueous			
Date Sampled: 02/16/2010 1546							
Date Received: 02/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/23/2010 0254	Analyst DLB	Prep Date	Batch 28053		
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	5.1		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: LB18061-008			
Description: MW-8D (2-16-10)				Matrix: Aqueous			
Date Sampled: 02/16/2010 1546							
Date Received: 02/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/23/2010 0254	Analyst DLB	Prep Date	Batch 28053

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		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: LB18061-009			
Description: MW-16S (2-17-10)				Matrix: Aqueous			
Date Sampled: 02/17/2010 1012							
Date Received: 02/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/23/2010 0316	Analyst DLB	Prep Date	Batch 28053		
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	0.49	J	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: LB18061-009
Description: MW-16S (2-17-10)	Matrix: Aqueous
Date Sampled: 02/17/2010 1012	
Date Received: 02/18/2010	

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/23/2010 0316	Analyst DLB	Prep Date	Batch 28053

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	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
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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: LB18061-010			
Description: AT-MW-3 (2-17-10)				Matrix: Aqueous			
Date Sampled: 02/17/2010 1314							
Date Received: 02/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/23/2010 0338	Analyst DLB	Prep Date	Batch 28053		
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 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: LB18061-010			
Description: AT-MW-3 (2-17-10)				Matrix: Aqueous			
Date Sampled: 02/17/2010 1314							
Date Received: 02/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/23/2010 0338	Analyst DLB	Prep Date	Batch 28053

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		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

Shealy Environmental Services, Inc.

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

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Level 1 Report v2.1

ICP-AES

Client: ARCADIS U.S., Inc.

Laboratory ID: LB18061-010

Description: AT-MW-3 (2-17-10)

Matrix: Aqueous

Date Sampled: 02/17/2010 1314

Date Received: 02/18/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	3005A	6010C	1	02/23/2010 2253	KJC	02/23/2010 1710	28103		
Parameter			CAS Number	Analytical Method	Result	Q	PQL	MDL	Units
Barium			7440-39-3	6010C	0.020	J	0.025	0.0075	mg/L
Chromium			7440-47-3	6010C	ND		0.0050	0.0021	mg/L

PQL = Practical quantitation limit

B = Detected in 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: LB18061-011			
Description: AT-MW-5 (2-17-10)				Matrix: Aqueous			
Date Sampled: 02/17/2010 1408							
Date Received: 02/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/23/2010 0400	Analyst DLB	Prep Date	Batch 28053		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	18		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	0.30	J	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	0.20	J	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	0.56		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: LB18061-011			
Description: AT-MW-5 (2-17-10)				Matrix: Aqueous			
Date Sampled: 02/17/2010 1408							
Date Received: 02/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/23/2010 0400	Analyst DLB	Prep Date	Batch 28053

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		104	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

ICP-AES

Client: ARCADIS U.S., Inc.

Laboratory ID: LB18061-011

Description: AT-MW-5 (2-17-10)

Matrix: Aqueous

Date Sampled: 02/17/2010 1408

Date Received: 02/18/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch			
1	3005A	6010C	1	02/23/2010 2259	KJC	02/23/2010 1710	28103			
Parameter			CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Barium			7440-39-3	6010C	ND		0.025	0.0075	mg/L	1
Chromium			7440-47-3	6010C	ND		0.0050	0.0021	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: LB18061-012			
Description: AT-MW-2 (2-17-10)				Matrix: Aqueous			
Date Sampled: 02/17/2010 1516							
Date Received: 02/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/23/2010 0422	Analyst DLB	Prep Date	Batch 28053		
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 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: LB18061-012			
Description: AT-MW-2 (2-17-10)				Matrix: Aqueous			
Date Sampled: 02/17/2010 1516							
Date Received: 02/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/23/2010 0422	Analyst DLB	Prep Date	Batch 28053

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		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

ICP-AES

Client: ARCADIS U.S., Inc.

Laboratory ID: LB18061-012

Description: AT-MW-2 (2-17-10)

Matrix: Aqueous

Date Sampled: 02/17/2010 1516

Date Received: 02/18/2010

Run 1	Prep Method 3005A	Analytical Method 6010C	Dilution 1	Analysis Date 02/23/2010 2305	Analyst KJC	Prep Date 02/23/2010 1710	Batch 28103

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Barium	7440-39-3	6010C	0.0094	J	0.025	0.0075	mg/L	1
Chromium	7440-47-3	6010C	0.0022	J	0.0050	0.0021	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: LB18061-013			
Description: AT-MW-1 (2-17-10)				Matrix: Aqueous			
Date Sampled: 02/17/2010 1615							
Date Received: 02/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/23/2010 0444	Analyst DLB	Prep Date	Batch 28053		
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	0.63		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: LB18061-013			
Description: AT-MW-1 (2-17-10)				Matrix: Aqueous			
Date Sampled: 02/17/2010 1615							
Date Received: 02/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/23/2010 0444	Analyst DLB	Prep Date	Batch 28053

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	14		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		101	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

ICP-AES

Client: ARCADIS U.S., Inc.

Laboratory ID: LB18061-013

Description: AT-MW-1 (2-17-10)

Matrix: Aqueous

Date Sampled: 02/17/2010 1615

Date Received: 02/18/2010

Run 1	Prep Method 3005A	Analytical Method 6010C	Dilution 1	Analysis Date 02/23/2010 2311	Analyst KJC	Prep Date 02/23/2010 1710	Batch 28103			
Parameter			CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Barium			7440-39-3	6010C	0.028		0.025	0.0075	mg/L	1
Chromium			7440-47-3	6010C	ND		0.0050	0.0021	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: LB18061-014			
Description: AT-MW-4 (2-17-10)				Matrix: Aqueous			
Date Sampled: 02/17/2010 1726							
Date Received: 02/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/23/2010 0506	Analyst DLB	Prep Date	Batch 28053		
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 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: LB18061-014			
Description: AT-MW-4 (2-17-10)				Matrix: Aqueous			
Date Sampled: 02/17/2010 1726							
Date Received: 02/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/23/2010 0506	Analyst DLB	Prep Date	Batch 28053

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		100	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

ICP-AES

Client: ARCADIS U.S., Inc.

Laboratory ID: LB18061-014

Description: AT-MW-4 (2-17-10)

Matrix: Aqueous

Date Sampled: 02/17/2010 1726

Date Received: 02/18/2010

Run 1	Prep Method 3005A	Analytical Method 6010C	Dilution 1	Analysis Date 02/23/2010 2317	Analyst KJC	Prep Date 02/23/2010 1710	Batch 28103			
Parameter			CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Barium			7440-39-3	6010C	0.037		0.025	0.0075	mg/L	1
Chromium			7440-47-3	6010C	0.0022	J	0.0050	0.0021	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: LB18061-015			
Description: DUP-2				Matrix: Aqueous			
Date Sampled: 02/17/2010 1200							
Date Received: 02/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/23/2010 0528	Analyst DLB	Prep Date	Batch 28053		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	18		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: LB18061-015
Description: DUP-2	Matrix: Aqueous
Date Sampled: 02/17/2010 1200	
Date Received: 02/18/2010	

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/23/2010 0528	Analyst DLB	Prep Date	Batch 28053

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		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

ICP-AES

Client: ARCADIS U.S., Inc.

Laboratory ID: LB18061-015

Description: DUP-2

Matrix: Aqueous

Date Sampled: 02/17/2010 1200

Date Received: 02/18/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	3005A	6010C	1	02/23/2010 2323	KJC	02/23/2010 1710	28103		
Parameter			CAS Number	Analytical Method	Result	Q	PQL	MDL	Units
Barium			7440-39-3	6010C	0.021	J	0.025	0.0075	mg/L
Chromium			7440-47-3	6010C	ND		0.0050	0.0021	mg/L

PQL = Practical quantitation limit

B = Detected in 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: LB18061-016			
Description: TRIP BLANK				Matrix: Aqueous			
Date Sampled: 02/18/2010 0910							
Date Received: 02/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/23/2010 0550	Analyst DLB	Prep Date	Batch 28053		
Parameter		CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone		67-64-1	8260B	18		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: LB18061-016			
Description: TRIP BLANK				Matrix: Aqueous			
Date Sampled: 02/18/2010 0910							
Date Received: 02/18/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/23/2010 0550	Analyst DLB	Prep Date	Batch 28053

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		100	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: LB18061-017			
Description: MW-15S (2-19-10)				Matrix: Aqueous			
Date Sampled: 02/19/2010 0922							
Date Received: 02/20/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/24/2010 1036	Analyst DLB	Prep Date	Batch 28164		
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 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: LB18061-017			
Description: MW-15S (2-19-10)				Matrix: Aqueous			
Date Sampled: 02/19/2010 0922							
Date Received: 02/20/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/24/2010 1036	Analyst DLB	Prep Date	Batch 28164

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		106	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

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

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Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: LB18061-018			
Description: TRIP BLANK				Matrix: Aqueous			
Date Sampled: 02/20/2010 1040							
Date Received: 02/20/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/24/2010 0120	Analyst DLB	Prep Date	Batch 28153			
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	0.18	J	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: LB18061-018			
Description: TRIP BLANK				Matrix: Aqueous			
Date Sampled: 02/20/2010 1040							
Date Received: 02/20/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 02/24/2010 0120	Analyst DLB	Prep Date	Batch 28153

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		118	70-130
Bromofluorobenzene		109	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

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ28053-001

Matrix: Aqueous

Batch: 28053

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	10	0.061	ug/L	02/22/2010 2321
Benzene	ND		1	0.50	0.027	ug/L	02/22/2010 2321
Bromodichloromethane	ND		1	0.50	0.17	ug/L	02/22/2010 2321
Bromoform	ND		1	0.50	0.010	ug/L	02/22/2010 2321
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	02/22/2010 2321
2-Butanone (MEK)	ND		1	10	2.0	ug/L	02/22/2010 2321
Carbon disulfide	ND		1	0.50	0.097	ug/L	02/22/2010 2321
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	02/22/2010 2321
Chlorobenzene	ND		1	0.50	0.17	ug/L	02/22/2010 2321
Chloroethane	ND		1	0.50	0.17	ug/L	02/22/2010 2321
Chloroform	ND		1	0.50	0.17	ug/L	02/22/2010 2321
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	02/22/2010 2321
Cyclohexane	ND		1	0.50	0.30	ug/L	02/22/2010 2321
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	02/22/2010 2321
Dibromochloromethane	ND		1	0.50	0.17	ug/L	02/22/2010 2321
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	02/22/2010 2321
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/22/2010 2321
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/22/2010 2321
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/22/2010 2321
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	02/22/2010 2321
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	02/22/2010 2321
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	02/22/2010 2321
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	02/22/2010 2321
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	02/22/2010 2321
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	02/22/2010 2321
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	02/22/2010 2321
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	02/22/2010 2321
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	02/22/2010 2321
Ethylbenzene	ND		1	0.50	0.17	ug/L	02/22/2010 2321
2-Hexanone	ND		1	10	0.27	ug/L	02/22/2010 2321
Isopropylbenzene	ND		1	0.50	0.029	ug/L	02/22/2010 2321
Methyl acetate	ND		1	1.0	0.30	ug/L	02/22/2010 2321
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	02/22/2010 2321
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	02/22/2010 2321
Methylcyclohexane	ND		1	5.0	0.95	ug/L	02/22/2010 2321
Methylene chloride	ND		1	0.50	0.17	ug/L	02/22/2010 2321
Styrene	ND		1	0.50	0.015	ug/L	02/22/2010 2321
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	02/22/2010 2321
Tetrachloroethene	ND		1	0.50	0.014	ug/L	02/22/2010 2321
Toluene	ND		1	0.50	0.17	ug/L	02/22/2010 2321
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	02/22/2010 2321
1,2,4-Trichlorobenzene	ND		1	0.50	0.17	ug/L	02/22/2010 2321
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	02/22/2010 2321
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	02/22/2010 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 - MB

Sample ID: LQ28053-001

Matrix: Aqueous

Batch: 28053

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.024	ug/L	02/22/2010 2321
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	02/22/2010 2321
Vinyl chloride	ND		1	0.50	0.065	ug/L	02/22/2010 2321
Xylenes (total)	ND		1	0.50	0.17	ug/L	02/22/2010 2321
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		103	70-130				
1,2-Dichloroethane-d4		99	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: LQ28053-002

Matrix: Aqueous

Batch: 28053

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	130	46-153	02/22/2010 2153
Benzene	50	46		1	93	70-130	02/22/2010 2153
Bromodichloromethane	50	46		1	92	70-130	02/22/2010 2153
Bromoform	50	38		1	77	70-130	02/22/2010 2153
Bromomethane (Methyl bromide)	50	49		1	97	60-140	02/22/2010 2153
2-Butanone (MEK)	100	100		1	105	60-140	02/22/2010 2153
Carbon disulfide	50	54		1	109	60-140	02/22/2010 2153
Carbon tetrachloride	50	47		1	93	70-130	02/22/2010 2153
Chlorobenzene	50	48		1	95	70-130	02/22/2010 2153
Chloroethane	50	52		1	103	42-163	02/22/2010 2153
Chloroform	50	47		1	95	70-130	02/22/2010 2153
Chloromethane (Methyl chloride)	50	44		1	87	20-158	02/22/2010 2153
Cyclohexane	50	47		1	95	70-130	02/22/2010 2153
1,2-Dibromo-3-chloropropane (DBCP)	50	47		1	94	70-130	02/22/2010 2153
Dibromochloromethane	50	47		1	94	70-130	02/22/2010 2153
1,2-Dibromoethane (EDB)	50	48		1	95	70-130	02/22/2010 2153
1,4-Dichlorobenzene	50	46		1	93	70-130	02/22/2010 2153
1,2-Dichlorobenzene	50	49		1	98	70-130	02/22/2010 2153
1,3-Dichlorobenzene	50	48		1	96	70-130	02/22/2010 2153
Dichlorodifluoromethane	50	24	N	1	49	60-140	02/22/2010 2153
1,2-Dichloroethane	50	48		1	96	70-130	02/22/2010 2153
1,1-Dichloroethane	50	45		1	90	70-130	02/22/2010 2153
cis-1,2-Dichloroethene	50	46		1	93	70-130	02/22/2010 2153
1,1-Dichloroethene	50	49		1	97	70-130	02/22/2010 2153
trans-1,2-Dichloroethene	50	46		1	92	70-130	02/22/2010 2153
1,2-Dichloropropane	50	43		1	86	70-130	02/22/2010 2153
cis-1,3-Dichloropropene	50	45		1	90	70-130	02/22/2010 2153
trans-1,3-Dichloropropene	50	48		1	95	70-130	02/22/2010 2153
Ethylbenzene	50	48		1	96	70-130	02/22/2010 2153
2-Hexanone	100	87		1	87	60-140	02/22/2010 2153
Isopropylbenzene	50	51		1	102	70-130	02/22/2010 2153
Methyl acetate	50	46		1	91	15-128	02/22/2010 2153
Methyl tertiary butyl ether (MTBE)	50	53		1	106	70-130	02/22/2010 2153
4-Methyl-2-pentanone	100	94		1	94	60-140	02/22/2010 2153
Methylcyclohexane	50	47		1	95	70-130	02/22/2010 2153
Methylene chloride	50	50		1	101	70-130	02/22/2010 2153
Styrene	50	45		1	91	70-130	02/22/2010 2153
1,1,2,2-Tetrachloroethane	50	47		1	94	70-130	02/22/2010 2153
Tetrachloroethene	50	48		1	96	70-130	02/22/2010 2153
Toluene	50	46		1	92	70-130	02/22/2010 2153
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	50		1	101	70-130	02/22/2010 2153
1,2,4-Trichlorobenzene	50	52		1	105	70-130	02/22/2010 2153
1,1,1-Trichloroethane	50	47		1	95	70-130	02/22/2010 2153
1,1,2-Trichloroethane	50	46		1	93	70-130	02/22/2010 2153

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LQ28053-002

Matrix: Aqueous

Batch: 28053

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	47		1	94	70-130	02/22/2010 2153
Trichlorofluoromethane	50	42		1	84	60-140	02/22/2010 2153
Vinyl chloride	50	42		1	84	60-140	02/22/2010 2153
Xylenes (total)	100	98		1	98	70-130	02/22/2010 2153
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		104	70-130				
1,2-Dichloroethane-d4		99	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 - LCSD

Sample ID: LQ28053-003

Batch: 28053

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	101	25	46-153	20	02/22/2010 2215
Benzene	50	45		1	90	3.4	70-130	20	02/22/2010 2215
Bromodichloromethane	50	43		1	85	7.3	70-130	20	02/22/2010 2215
Bromoform	50	31	N, +	1	63	21	70-130	20	02/22/2010 2215
Bromomethane (Methyl bromide)	50	44		1	88	9.3	60-140	20	02/22/2010 2215
2-Butanone (MEK)	100	95		1	95	9.5	60-140	20	02/22/2010 2215
Carbon disulfide	50	48		1	96	13	60-140	20	02/22/2010 2215
Carbon tetrachloride	50	41		1	81	14	70-130	20	02/22/2010 2215
Chlorobenzene	50	48		1	95	0.029	70-130	20	02/22/2010 2215
Chloroethane	50	47		1	94	9.7	42-163	20	02/22/2010 2215
Chloroform	50	45		1	90	5.3	70-130	20	02/22/2010 2215
Chloromethane (Methyl chloride)	50	42		1	83	5.0	20-158	20	02/22/2010 2215
Cyclohexane	50	45		1	89	5.9	70-130	20	02/22/2010 2215
1,2-Dibromo-3-chloropropane (DBCP)	50	42		1	83	12	70-130	20	02/22/2010 2215
Dibromochloromethane	50	41		1	83	12	70-130	20	02/22/2010 2215
1,2-Dibromoethane (EDB)	50	48		1	96	0.35	70-130	20	02/22/2010 2215
1,4-Dichlorobenzene	50	47		1	95	2.0	70-130	20	02/22/2010 2215
1,2-Dichlorobenzene	50	47		1	95	3.7	70-130	20	02/22/2010 2215
1,3-Dichlorobenzene	50	48		1	97	0.61	70-130	20	02/22/2010 2215
Dichlorodifluoromethane	50	39	+	1	78	46	60-140	20	02/22/2010 2215
1,2-Dichloroethane	50	45		1	90	5.9	70-130	20	02/22/2010 2215
1,1-Dichloroethane	50	42		1	84	7.5	70-130	20	02/22/2010 2215
cis-1,2-Dichloroethene	50	44		1	87	6.0	70-130	20	02/22/2010 2215
1,1-Dichloroethene	50	47		1	93	4.2	70-130	20	02/22/2010 2215
trans-1,2-Dichloroethene	50	43		1	85	7.7	70-130	20	02/22/2010 2215
1,2-Dichloropropane	50	43		1	86	0.68	70-130	20	02/22/2010 2215
cis-1,3-Dichloropropene	50	43		1	87	3.6	70-130	20	02/22/2010 2215
trans-1,3-Dichloropropene	50	46		1	92	3.7	70-130	20	02/22/2010 2215
Ethylbenzene	50	48		1	96	0.72	70-130	20	02/22/2010 2215
2-Hexanone	100	92		1	92	5.5	60-140	20	02/22/2010 2215
Isopropylbenzene	50	50		1	99	2.6	70-130	20	02/22/2010 2215
Methyl acetate	50	38		1	77	17	15-128	20	02/22/2010 2215
Methyl tertiary butyl ether (MTBE)	50	46		1	93	13	70-130	20	02/22/2010 2215
4-Methyl-2-pentanone	100	91		1	91	3.0	60-140	20	02/22/2010 2215
Methylcyclohexane	50	46		1	91	3.7	70-130	20	02/22/2010 2215
Methylene chloride	50	47		1	93	8.0	70-130	20	02/22/2010 2215
Styrene	50	44		1	89	2.0	70-130	20	02/22/2010 2215
1,1,2,2-Tetrachloroethane	50	45		1	91	3.7	70-130	20	02/22/2010 2215
Tetrachloroethene	50	47		1	95	1.7	70-130	20	02/22/2010 2215
Toluene	50	47		1	94	2.4	70-130	20	02/22/2010 2215
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	47		1	95	6.4	70-130	20	02/22/2010 2215
1,2,4-Trichlorobenzene	50	46		1	91	14	70-130	20	02/22/2010 2215
1,1,1-Trichloroethane	50	44		1	89	6.8	70-130	20	02/22/2010 2215
1,1,2-Trichloroethane	50	46		1	92	1.4	70-130	20	02/22/2010 2215

PQL = Practical quantitation limit

P = The RPD between 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: LQ28053-003

Matrix: Aqueous

Batch: 28053

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	92	1.5	70-130	20	02/22/2010 2215
Trichlorofluoromethane	50	39		1	78	7.8	60-140	20	02/22/2010 2215
Vinyl chloride	50	39		1	77	8.0	60-140	20	02/22/2010 2215
Xylenes (total)	100	95		1	95	3.0	70-130	20	02/22/2010 2215
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		106	70-130						
1,2-Dichloroethane-d4		95	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: LQ28153-001

Batch: 28153

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	02/23/2010 2248
Benzene	ND		1	0.50	0.027	ug/L	02/23/2010 2248
Bromodichloromethane	ND		1	0.50	0.17	ug/L	02/23/2010 2248
Bromoform	ND		1	0.50	0.010	ug/L	02/23/2010 2248
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	02/23/2010 2248
2-Butanone (MEK)	ND		1	10	2.0	ug/L	02/23/2010 2248
Carbon disulfide	ND		1	0.50	0.097	ug/L	02/23/2010 2248
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	02/23/2010 2248
Chlorobenzene	ND		1	0.50	0.17	ug/L	02/23/2010 2248
Chloroethane	ND		1	0.50	0.17	ug/L	02/23/2010 2248
Chloroform	ND		1	0.50	0.17	ug/L	02/23/2010 2248
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	02/23/2010 2248
Cyclohexane	ND		1	0.50	0.30	ug/L	02/23/2010 2248
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	02/23/2010 2248
Dibromochloromethane	ND		1	0.50	0.17	ug/L	02/23/2010 2248
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	02/23/2010 2248
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/23/2010 2248
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/23/2010 2248
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/23/2010 2248
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	02/23/2010 2248
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	02/23/2010 2248
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	02/23/2010 2248
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	02/23/2010 2248
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	02/23/2010 2248
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	02/23/2010 2248
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	02/23/2010 2248
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	02/23/2010 2248
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	02/23/2010 2248
Ethylbenzene	ND		1	0.50	0.17	ug/L	02/23/2010 2248
2-Hexanone	ND		1	10	0.27	ug/L	02/23/2010 2248
Isopropylbenzene	ND		1	0.50	0.029	ug/L	02/23/2010 2248
Methyl acetate	ND		1	1.0	0.30	ug/L	02/23/2010 2248
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	02/23/2010 2248
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	02/23/2010 2248
Methylcyclohexane	ND		1	5.0	0.95	ug/L	02/23/2010 2248
Methylene chloride	ND		1	0.50	0.17	ug/L	02/23/2010 2248
Styrene	ND		1	0.50	0.015	ug/L	02/23/2010 2248
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	02/23/2010 2248
Tetrachloroethene	ND		1	0.50	0.014	ug/L	02/23/2010 2248
Toluene	ND		1	0.50	0.17	ug/L	02/23/2010 2248
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	02/23/2010 2248
1,2,4-Trichlorobenzene	ND		1	0.50	0.17	ug/L	02/23/2010 2248
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	02/23/2010 2248
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	02/23/2010 2248

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LQ28153-001

Matrix: Aqueous

Batch: 28153

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.024	ug/L	02/23/2010 2248
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	02/23/2010 2248
Vinyl chloride	ND		1	0.50	0.065	ug/L	02/23/2010 2248
Xylenes (total)	ND		1	0.50	0.17	ug/L	02/23/2010 2248
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		105	70-130				
1,2-Dichloroethane-d4		104	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 $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LQ28153-002

Matrix: Aqueous

Batch: 28153

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	95		1	95	46-153	02/23/2010 2116
Benzene	50	44		1	88	70-130	02/23/2010 2116
Bromodichloromethane	50	46		1	92	70-130	02/23/2010 2116
Bromoform	50	44		1	89	70-130	02/23/2010 2116
Bromomethane (Methyl bromide)	50	45		1	90	60-140	02/23/2010 2116
2-Butanone (MEK)	100	110		1	107	60-140	02/23/2010 2116
Carbon disulfide	50	48		1	96	60-140	02/23/2010 2116
Carbon tetrachloride	50	43		1	86	70-130	02/23/2010 2116
Chlorobenzene	50	46		1	93	70-130	02/23/2010 2116
Chloroethane	50	50		1	100	42-163	02/23/2010 2116
Chloroform	50	45		1	89	70-130	02/23/2010 2116
Chloromethane (Methyl chloride)	50	43		1	86	20-158	02/23/2010 2116
Cyclohexane	50	40		1	81	70-130	02/23/2010 2116
1,2-Dibromo-3-chloropropane (DBCP)	50	53		1	106	70-130	02/23/2010 2116
Dibromochloromethane	50	49		1	98	70-130	02/23/2010 2116
1,2-Dibromoethane (EDB)	50	49		1	98	70-130	02/23/2010 2116
1,3-Dichlorobenzene	50	46		1	93	70-130	02/23/2010 2116
1,4-Dichlorobenzene	50	47		1	94	70-130	02/23/2010 2116
1,2-Dichlorobenzene	50	47		1	93	70-130	02/23/2010 2116
Dichlorodifluoromethane	50	39		1	77	60-140	02/23/2010 2116
1,2-Dichloroethane	50	40		1	81	70-130	02/23/2010 2116
1,1-Dichloroethane	50	45		1	90	70-130	02/23/2010 2116
cis-1,2-Dichloroethene	50	47		1	95	70-130	02/23/2010 2116
1,1-Dichloroethene	50	46		1	91	70-130	02/23/2010 2116
trans-1,2-Dichloroethene	50	46		1	92	70-130	02/23/2010 2116
1,2-Dichloropropane	50	47		1	94	70-130	02/23/2010 2116
cis-1,3-Dichloropropene	50	49		1	98	70-130	02/23/2010 2116
trans-1,3-Dichloropropene	50	49		1	98	70-130	02/23/2010 2116
Ethylbenzene	50	48		1	96	70-130	02/23/2010 2116
2-Hexanone	100	110		1	110	60-140	02/23/2010 2116
Isopropylbenzene	50	49		1	98	70-130	02/23/2010 2116
Methyl acetate	50	46		1	92	15-128	02/23/2010 2116
Methyl tertiary butyl ether (MTBE)	50	43		1	86	70-130	02/23/2010 2116
4-Methyl-2-pentanone	100	110		1	107	60-140	02/23/2010 2116
Methylcyclohexane	50	49		1	98	70-130	02/23/2010 2116
Methylene chloride	50	47		1	94	70-130	02/23/2010 2116
Styrene	50	54		1	108	70-130	02/23/2010 2116
1,1,2,2-Tetrachloroethane	50	53		1	107	70-130	02/23/2010 2116
Tetrachloroethene	50	48		1	95	70-130	02/23/2010 2116
Toluene	50	47		1	95	70-130	02/23/2010 2116
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	48		1	96	70-130	02/23/2010 2116
1,2,4-Trichlorobenzene	50	48		1	97	70-130	02/23/2010 2116
1,1,1-Trichloroethane	50	42		1	85	70-130	02/23/2010 2116
1,1,2-Trichloroethane	50	48		1	96	70-130	02/23/2010 2116

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LQ28153-002

Matrix: Aqueous

Batch: 28153

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	46		1	91	70-130	02/23/2010 2116
Trichlorofluoromethane	50	44		1	87	60-140	02/23/2010 2116
Vinyl chloride	50	43		1	86	60-140	02/23/2010 2116
Xylenes (total)	100	96		1	96	70-130	02/23/2010 2116
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		99	70-130				
1,2-Dichloroethane-d4		84	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: LQ28153-003

Matrix: Aqueous

Batch: 28153

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	86		1	86	9.2	46-153	20	02/23/2010 2139
Benzene	50	46		1	91	3.7	70-130	20	02/23/2010 2139
Bromodichloromethane	50	49		1	97	5.3	70-130	20	02/23/2010 2139
Bromoform	50	46		1	92	3.2	70-130	20	02/23/2010 2139
Bromomethane (Methyl bromide)	50	47		1	94	4.4	60-140	20	02/23/2010 2139
2-Butanone (MEK)	100	100		1	103	3.6	60-140	20	02/23/2010 2139
Carbon disulfide	50	49		1	97	0.97	60-140	20	02/23/2010 2139
Carbon tetrachloride	50	46		1	91	5.7	70-130	20	02/23/2010 2139
Chlorobenzene	50	48		1	95	2.9	70-130	20	02/23/2010 2139
Chloroethane	50	52		1	103	3.5	42-163	20	02/23/2010 2139
Chloroform	50	46		1	93	3.8	70-130	20	02/23/2010 2139
Chloromethane (Methyl chloride)	50	45		1	90	3.8	20-158	20	02/23/2010 2139
Cyclohexane	50	42		1	83	3.3	70-130	20	02/23/2010 2139
1,2-Dibromo-3-chloropropane (DBCP)	50	57		1	113	6.5	70-130	20	02/23/2010 2139
Dibromochloromethane	50	51		1	102	3.2	70-130	20	02/23/2010 2139
1,2-Dibromoethane (EDB)	50	50		1	100	1.7	70-130	20	02/23/2010 2139
1,3-Dichlorobenzene	50	49		1	97	4.8	70-130	20	02/23/2010 2139
1,4-Dichlorobenzene	50	48		1	96	2.0	70-130	20	02/23/2010 2139
1,2-Dichlorobenzene	50	49		1	97	3.8	70-130	20	02/23/2010 2139
Dichlorodifluoromethane	50	39		1	79	1.7	60-140	20	02/23/2010 2139
1,2-Dichloroethane	50	42		1	84	4.3	70-130	20	02/23/2010 2139
1,1-Dichloroethane	50	46		1	91	1.6	70-130	20	02/23/2010 2139
cis-1,2-Dichloroethene	50	48		1	96	1.7	70-130	20	02/23/2010 2139
1,1-Dichloroethene	50	46		1	92	1.1	70-130	20	02/23/2010 2139
trans-1,2-Dichloroethene	50	47		1	94	2.3	70-130	20	02/23/2010 2139
1,2-Dichloropropane	50	48		1	96	1.9	70-130	20	02/23/2010 2139
cis-1,3-Dichloropropene	50	50		1	100	2.6	70-130	20	02/23/2010 2139
trans-1,3-Dichloropropene	50	49		1	98	0.28	70-130	20	02/23/2010 2139
Ethylbenzene	50	49		1	98	2.6	70-130	20	02/23/2010 2139
2-Hexanone	100	110		1	110	0.69	60-140	20	02/23/2010 2139
Isopropylbenzene	50	52		1	104	5.2	70-130	20	02/23/2010 2139
Methyl acetate	50	46		1	91	1.2	15-128	20	02/23/2010 2139
Methyl tertiary butyl ether (MTBE)	50	44		1	88	1.3	70-130	20	02/23/2010 2139
4-Methyl-2-pentanone	100	110		1	111	3.8	60-140	20	02/23/2010 2139
Methylcyclohexane	50	51		1	102	4.3	70-130	20	02/23/2010 2139
Methylene chloride	50	48		1	96	2.2	70-130	20	02/23/2010 2139
Styrene	50	55		1	110	2.1	70-130	20	02/23/2010 2139
1,1,2,2-Tetrachloroethane	50	55		1	110	3.0	70-130	20	02/23/2010 2139
Tetrachloroethene	50	49		1	97	2.1	70-130	20	02/23/2010 2139
Toluene	50	49		1	98	2.9	70-130	20	02/23/2010 2139
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	49		1	98	3.0	70-130	20	02/23/2010 2139
1,2,4-Trichlorobenzene	50	52		1	104	6.8	70-130	20	02/23/2010 2139
1,1,1-Trichloroethane	50	45		1	90	5.6	70-130	20	02/23/2010 2139
1,1,2-Trichloroethane	50	48		1	97	0.83	70-130	20	02/23/2010 2139

PQL = Practical quantitation limit

P = The RPD between 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: LQ28153-003

Matrix: Aqueous

Batch: 28153

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	48		1	95	4.3	70-130	20	02/23/2010 2139
Trichlorofluoromethane	50	46		1	91	4.2	60-140	20	02/23/2010 2139
Vinyl chloride	50	46		1	91	6.6	60-140	20	02/23/2010 2139
Xylenes (total)	100	100		1	100	4.0	70-130	20	02/23/2010 2139
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		100	70-130						
1,2-Dichloroethane-d4		86	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

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ28164-001

Matrix: Aqueous

Batch: 28164

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	10	0.061	ug/L	02/24/2010 0955
Benzene	ND		1	0.50	0.027	ug/L	02/24/2010 0955
Bromodichloromethane	ND		1	0.50	0.17	ug/L	02/24/2010 0955
Bromoform	ND		1	0.50	0.010	ug/L	02/24/2010 0955
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	02/24/2010 0955
2-Butanone (MEK)	ND		1	10	2.0	ug/L	02/24/2010 0955
Carbon disulfide	ND		1	0.50	0.097	ug/L	02/24/2010 0955
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	02/24/2010 0955
Chlorobenzene	ND		1	0.50	0.17	ug/L	02/24/2010 0955
Chloroethane	ND		1	0.50	0.17	ug/L	02/24/2010 0955
Chloroform	ND		1	0.50	0.17	ug/L	02/24/2010 0955
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	02/24/2010 0955
Cyclohexane	ND		1	0.50	0.30	ug/L	02/24/2010 0955
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	02/24/2010 0955
Dibromochloromethane	ND		1	0.50	0.17	ug/L	02/24/2010 0955
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	02/24/2010 0955
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/24/2010 0955
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/24/2010 0955
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/24/2010 0955
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	02/24/2010 0955
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	02/24/2010 0955
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	02/24/2010 0955
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	02/24/2010 0955
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	02/24/2010 0955
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	02/24/2010 0955
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	02/24/2010 0955
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	02/24/2010 0955
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	02/24/2010 0955
Ethylbenzene	ND		1	0.50	0.17	ug/L	02/24/2010 0955
2-Hexanone	ND		1	10	0.27	ug/L	02/24/2010 0955
Isopropylbenzene	ND		1	0.50	0.029	ug/L	02/24/2010 0955
Methyl acetate	ND		1	1.0	0.30	ug/L	02/24/2010 0955
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	02/24/2010 0955
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	02/24/2010 0955
Methylcyclohexane	ND		1	5.0	0.95	ug/L	02/24/2010 0955
Methylene chloride	ND		1	0.50	0.17	ug/L	02/24/2010 0955
Styrene	ND		1	0.50	0.015	ug/L	02/24/2010 0955
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	02/24/2010 0955
Tetrachloroethene	ND		1	0.50	0.014	ug/L	02/24/2010 0955
Toluene	ND		1	0.50	0.17	ug/L	02/24/2010 0955
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	02/24/2010 0955
1,2,4-Trichlorobenzene	ND		1	0.50	0.17	ug/L	02/24/2010 0955
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	02/24/2010 0955
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	02/24/2010 0955

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LQ28164-001

Matrix: Aqueous

Batch: 28164

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.024	ug/L	02/24/2010 0955
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	02/24/2010 0955
Vinyl chloride	ND		1	0.50	0.065	ug/L	02/24/2010 0955
Xylenes (total)	ND		1	0.50	0.17	ug/L	02/24/2010 0955
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		107	70-130				
1,2-Dichloroethane-d4		101	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

Volatile Organic Compounds by GC/MS - LCS

Sample ID: LQ28164-002

Matrix: Aqueous

Batch: 28164

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	94		1	94	46-153	02/24/2010 0824
Benzene	50	46		1	93	70-130	02/24/2010 0824
Bromodichloromethane	50	46		1	93	70-130	02/24/2010 0824
Bromoform	50	43		1	87	70-130	02/24/2010 0824
Bromomethane (Methyl bromide)	50	46		1	92	60-140	02/24/2010 0824
2-Butanone (MEK)	100	110		1	106	60-140	02/24/2010 0824
Carbon disulfide	50	52		1	105	60-140	02/24/2010 0824
Carbon tetrachloride	50	48		1	96	70-130	02/24/2010 0824
Chlorobenzene	50	48		1	95	70-130	02/24/2010 0824
Chloroethane	50	54		1	108	42-163	02/24/2010 0824
Chloroform	50	46		1	92	70-130	02/24/2010 0824
Chloromethane (Methyl chloride)	50	46		1	92	20-158	02/24/2010 0824
Cyclohexane	50	48		1	96	70-130	02/24/2010 0824
1,2-Dibromo-3-chloropropane (DBCP)	50	52		1	105	70-130	02/24/2010 0824
Dibromochloromethane	50	49		1	98	70-130	02/24/2010 0824
1,2-Dibromoethane (EDB)	50	50		1	100	70-130	02/24/2010 0824
1,4-Dichlorobenzene	50	47		1	95	70-130	02/24/2010 0824
1,2-Dichlorobenzene	50	48		1	95	70-130	02/24/2010 0824
1,3-Dichlorobenzene	50	48		1	96	70-130	02/24/2010 0824
Dichlorodifluoromethane	50	44		1	88	60-140	02/24/2010 0824
1,2-Dichloroethane	50	41		1	82	70-130	02/24/2010 0824
1,1-Dichloroethane	50	47		1	93	70-130	02/24/2010 0824
cis-1,2-Dichloroethene	50	48		1	96	70-130	02/24/2010 0824
1,1-Dichloroethene	50	50		1	101	70-130	02/24/2010 0824
trans-1,2-Dichloroethene	50	48		1	97	70-130	02/24/2010 0824
1,2-Dichloropropane	50	48		1	97	70-130	02/24/2010 0824
cis-1,3-Dichloropropene	50	50		1	99	70-130	02/24/2010 0824
trans-1,3-Dichloropropene	50	48		1	97	70-130	02/24/2010 0824
Ethylbenzene	50	51		1	101	70-130	02/24/2010 0824
2-Hexanone	100	110		1	108	60-140	02/24/2010 0824
Isopropylbenzene	50	52		1	104	70-130	02/24/2010 0824
Methyl acetate	50	46		1	93	15-128	02/24/2010 0824
Methyl tertiary butyl ether (MTBE)	50	43		1	87	70-130	02/24/2010 0824
4-Methyl-2-pentanone	100	110		1	108	60-140	02/24/2010 0824
Methylcyclohexane	50	58		1	116	70-130	02/24/2010 0824
Methylene chloride	50	49		1	98	70-130	02/24/2010 0824
Styrene	50	56		1	111	70-130	02/24/2010 0824
1,1,2,2-Tetrachloroethane	50	53		1	106	70-130	02/24/2010 0824
Tetrachloroethene	50	51		1	102	70-130	02/24/2010 0824
Toluene	50	50		1	100	70-130	02/24/2010 0824
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	56		1	112	70-130	02/24/2010 0824
1,2,4-Trichlorobenzene	50	49		1	98	70-130	02/24/2010 0824
1,1,2-Trichloroethane	50	48		1	97	70-130	02/24/2010 0824
1,1,1-Trichloroethane	50	46		1	92	70-130	02/24/2010 0824

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LQ28164-002

Matrix: Aqueous

Batch: 28164

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	49		1	97	70-130	02/24/2010 0824
Trichlorofluoromethane	50	51		1	102	60-140	02/24/2010 0824
Vinyl chloride	50	48		1	95	60-140	02/24/2010 0824
Xylenes (total)	100	100		1	100	70-130	02/24/2010 0824
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		95	70-130				
1,2-Dichloroethane-d4		81	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: LQ28164-003

Batch: 28164

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	88		1	88	6.4	46-153	20	02/24/2010 0847
Benzene	50	46		1	92	0.24	70-130	20	02/24/2010 0847
Bromodichloromethane	50	48		1	96	3.5	70-130	20	02/24/2010 0847
Bromoform	50	44		1	88	1.1	70-130	20	02/24/2010 0847
Bromomethane (Methyl bromide)	50	47		1	95	2.5	60-140	20	02/24/2010 0847
2-Butanone (MEK)	100	110		1	105	0.97	60-140	20	02/24/2010 0847
Carbon disulfide	50	50		1	100	5.2	60-140	20	02/24/2010 0847
Carbon tetrachloride	50	48		1	96	0.40	70-130	20	02/24/2010 0847
Chlorobenzene	50	48		1	96	0.91	70-130	20	02/24/2010 0847
Chloroethane	50	52		1	104	3.7	42-163	20	02/24/2010 0847
Chloroform	50	47		1	94	2.2	70-130	20	02/24/2010 0847
Chloromethane (Methyl chloride)	50	45		1	90	2.2	20-158	20	02/24/2010 0847
Cyclohexane	50	44		1	88	8.4	70-130	20	02/24/2010 0847
1,2-Dibromo-3-chloropropane (DBCP)	50	54		1	108	2.5	70-130	20	02/24/2010 0847
Dibromochloromethane	50	50		1	100	1.6	70-130	20	02/24/2010 0847
1,2-Dibromoethane (EDB)	50	50		1	100	0.16	70-130	20	02/24/2010 0847
1,4-Dichlorobenzene	50	48		1	96	1.5	70-130	20	02/24/2010 0847
1,2-Dichlorobenzene	50	48		1	96	1.2	70-130	20	02/24/2010 0847
1,3-Dichlorobenzene	50	48		1	95	0.32	70-130	20	02/24/2010 0847
Dichlorodifluoromethane	50	39		1	77	13	60-140	20	02/24/2010 0847
1,2-Dichloroethane	50	42		1	84	2.3	70-130	20	02/24/2010 0847
1,1-Dichloroethane	50	47		1	94	0.27	70-130	20	02/24/2010 0847
cis-1,2-Dichloroethene	50	48		1	97	1.1	70-130	20	02/24/2010 0847
1,1-Dichloroethene	50	48		1	96	4.8	70-130	20	02/24/2010 0847
trans-1,2-Dichloroethene	50	48		1	96	1.0	70-130	20	02/24/2010 0847
1,2-Dichloropropane	50	48		1	96	0.22	70-130	20	02/24/2010 0847
cis-1,3-Dichloropropene	50	51		1	102	2.2	70-130	20	02/24/2010 0847
trans-1,3-Dichloropropene	50	49		1	97	0.36	70-130	20	02/24/2010 0847
Ethylbenzene	50	50		1	101	0.86	70-130	20	02/24/2010 0847
2-Hexanone	100	110		1	108	0.55	60-140	20	02/24/2010 0847
Isopropylbenzene	50	52		1	104	0.40	70-130	20	02/24/2010 0847
Methyl acetate	50	44		1	88	5.8	15-128	20	02/24/2010 0847
Methyl tertiary butyl ether (MTBE)	50	44		1	88	0.98	70-130	20	02/24/2010 0847
4-Methyl-2-pentanone	100	110		1	109	0.87	60-140	20	02/24/2010 0847
Methylcyclohexane	50	53		1	105	9.8	70-130	20	02/24/2010 0847
Methylene chloride	50	49		1	98	0.73	70-130	20	02/24/2010 0847
Styrene	50	56		1	111	0.28	70-130	20	02/24/2010 0847
1,1,2,2-Tetrachloroethane	50	54		1	107	0.90	70-130	20	02/24/2010 0847
Tetrachloroethene	50	49		1	99	3.2	70-130	20	02/24/2010 0847
Toluene	50	50		1	100	0.43	70-130	20	02/24/2010 0847
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	52		1	103	8.6	70-130	20	02/24/2010 0847
1,2,4-Trichlorobenzene	50	50		1	100	2.5	70-130	20	02/24/2010 0847
1,1,2-Trichloroethane	50	49		1	97	0.62	70-130	20	02/24/2010 0847
1,1,1-Trichloroethane	50	46		1	92	0.0043	70-130	20	02/24/2010 0847

PQL = Practical quantitation limit

P = The RPD between 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: LQ28164-003

Matrix: Aqueous

Batch: 28164

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	49		1	97	0.089	70-130	20	02/24/2010 0847
Trichlorofluoromethane	50	48		1	96	6.6	60-140	20	02/24/2010 0847
Vinyl chloride	50	46		1	91	4.2	60-140	20	02/24/2010 0847
Xylenes (total)	100	100		1	101	0.17	70-130	20	02/24/2010 0847
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		100	70-130						
1,2-Dichloroethane-d4		86	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

ICP-AES - MB

Sample ID: LQ28103-001

Batch: 28103

Analytical Method: 6010C

Matrix: Aqueous

Prep Method: 3005A

Prep Date: 02/23/2010 1710

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Barium	ND		1	0.025	0.0075	mg/L	02/23/2010 2135
Chromium	ND		1	0.0050	0.0021	mg/L	02/23/2010 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

ICP-AES - LCS

Sample ID: LQ28103-002

Batch: 28103

Analytical Method: 6010C

Matrix: Aqueous

Prep Method: 3005A

Prep Date: 02/23/2010 1710

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Barium	2.0	2.0		1	101	80-120	02/23/2010 2141
Chromium	2.0	2.0		1	99	80-120	02/23/2010 2141

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LQ28103-003

Batch: 28103

Analytical Method: 6010C

Matrix: Aqueous

Prep Method: 3005A

Prep Date: 02/23/2010 1710

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Barium	2.0	2.0		1	101	0.44	80-120	20	02/23/2010 2147
Chromium	2.0	2.0		1	99	0.27	80-120	20	02/23/2010 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 $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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 105919

[illegible]

DISTRIBUTION: WHITE & YELLOW Return to Laboratory with Sample(s); PINK-Insert/Client Copy

Document Number: FAD-012 Effective Date: 06-04-02

SHEALY Chain of Custody Record

106 Vantage Point Drive
West Columbia, South Carolina
Telephone No. (803) 791-9700 Fax No. (803) 791-9701

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

[illegible]

Document Number: F-AQ-012 Effective Date: 03-04-22

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: NAL 12/18/10

Lot #:

LB18061
ML 4/18/10
LB12667

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>112</u> °C <u>1</u> °C <u>1</u> °C <u>1</u> °C <u>1</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? <u>TRIP BLANK</u>	
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: _____

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AID-015
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 9/20/10 Lot #: LB1001

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>1-6</u> °C <u>/</u> °C <u>/</u> °C <u>/</u> °C		
Cooler ID/temperature upon receipt <u>/</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" (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: _____

Report of Analysis

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

Project Name: Hunter Stewart HAA-17

Project Number: GP08HAFS.H17B.DG0F1

Lot Number: LE28018

Date Completed: 06/03/2010



Nisreen Saikaly
Project Manager



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

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SHEALY ENVIRONMENTAL SERVICES, INC.

SC DHEC No: 32010

NELAC No: E87653

NC DEHNR No: 329

Case Narrative ARCADIS U.S., Inc. Lot Number: LE28018

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.

Volatile Organic Compounds

The LCS/LCSD recovery for Dichlorodifluoromethane exceeded method control limits in batch 34942; however, all other QA/QC criteria for the LCS/LCSD 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.

SHEALY ENVIRONMENTAL SERVICES, INC.

Sample Summary ARCADIS U.S., Inc. Lot Number: LE28018

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	H17-MW-17S (052510)	Aqueous	05/25/2010 0912	05/28/2010
002	H17-MW-17D (052510)	Aqueous	05/25/2010 1135	05/28/2010
003	H17-MW-21D (052510)	Aqueous	05/25/2010 1233	05/28/2010
004	H17-MW-21S (052510)	Aqueous	05/25/2010 1325	05/28/2010
005	H17-MW-22S (052510)	Aqueous	05/25/2010 1542	05/28/2010
006	H17-MW-22D (052510)	Aqueous	05/25/2010 1642	05/28/2010
007	H17-MW-20D (052510)	Aqueous	05/25/2010 1735	05/28/2010
008	H17-MW-19S (052510)	Aqueous	05/25/2010 1827	05/28/2010
009	H17-MW-18D (052510)	Aqueous	05/25/2010 1947	05/28/2010
010	H17-DUP-1 (052510)	Aqueous	05/25/2010 1200	05/28/2010
011	TB-01 (052510)	Aqueous	05/25/2010 0900	05/28/2010

(11 samples)

SHEALY ENVIRONMENTAL SERVICES, INC.

Executive Summary ARCADIS U.S., Inc. Lot Number: LE28018

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	H17-MW-17S (052510)	Aqueous	Acetone	8260B	28		ug/L	5
001	H17-MW-17S (052510)	Aqueous	Benzene	8260B	0.18	J	ug/L	5
001	H17-MW-17S (052510)	Aqueous	Chloroethane	8260B	0.69		ug/L	5
001	H17-MW-17S (052510)	Aqueous	4-Methyl-2-pentanone	8260B	3.5	J	ug/L	5
002	H17-MW-17D (052510)	Aqueous	Acetone	8260B	4.6	J	ug/L	7
002	H17-MW-17D (052510)	Aqueous	Carbon disulfide	8260B	1.9		ug/L	7
003	H17-MW-21D (052510)	Aqueous	Acetone	8260B	1.5	J	ug/L	9
004	H17-MW-21S (052510)	Aqueous	Acetone	8260B	1.9	J	ug/L	11
005	H17-MW-22S (052510)	Aqueous	Acetone	8260B	3.7	J	ug/L	13
007	H17-MW-20D (052510)	Aqueous	trans-1,2-Dichloroethene	8260B	0.70		ug/L	17
007	H17-MW-20D (052510)	Aqueous	1,1-Dichloroethene	8260B	0.94		ug/L	17
007	H17-MW-20D (052510)	Aqueous	cis-1,2-Dichloroethene	8260B	59		ug/L	17
007	H17-MW-20D (052510)	Aqueous	Trichloroethene	8260B	280		ug/L	18
008	H17-MW-19S (052510)	Aqueous	Acetone	8260B	5.1	J	ug/L	19
008	H17-MW-19S (052510)	Aqueous	Toluene	8260B	0.24	J	ug/L	19
009	H17-MW-18D (052510)	Aqueous	Benzene	8260B	5.2		ug/L	21
009	H17-MW-18D (052510)	Aqueous	cis-1,2-Dichloroethene	8260B	1.1		ug/L	21
009	H17-MW-18D (052510)	Aqueous	Methyl tertiary butyl ether (MTBE)	8260B	3.6		ug/L	21
009	H17-MW-18D (052510)	Aqueous	Trichloroethene	8260B	2.6		ug/L	22

(19 detections)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: LE28018-001			
Description: H17-MW-17S (052510)				Matrix: Aqueous			
Date Sampled: 05/25/2010 0912							
Date Received: 05/28/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/31/2010 2310	DLB		34838
2	5030B	8260B	1	06/02/2010 0353	DLB		34942

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	28		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	0.69		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	2
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	3.5	J	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: LE28018-001			
Description: H17-MW-17S (052510)				Matrix: Aqueous			
Date Sampled: 05/25/2010 0912							
Date Received: 05/28/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/31/2010 2310	DLB		34838
2	5030B	8260B	1	06/02/2010 0353	DLB		34942

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	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		97	70-130
Bromofluorobenzene		99	70-130		100	70-130
Toluene-d8		104	70-130		102	70-130

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: LE28018-002			
Description: H17-MW-17D (052510)				Matrix: Aqueous			
Date Sampled: 05/25/2010 1135							
Date Received: 05/28/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/31/2010 2331	DLB		34838
2	5030B	8260B	1	06/02/2010 0415	DLB		34942

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	1.9		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	2
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

PQL = Practical quantitation limit

B = Detected in 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: LE28018-002			
Description: H17-MW-17D (052510)				Matrix: Aqueous			
Date Sampled: 05/25/2010 1135							
Date Received: 05/28/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/31/2010 2331	DLB		34838
2	5030B	8260B	1	06/02/2010 0415	DLB		34942

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	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		97	70-130
Bromofluorobenzene		96	70-130		97	70-130
Toluene-d8		99	70-130		98	70-130

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: LE28018-003			
Description: H17-MW-21D (052510)				Matrix: Aqueous			
Date Sampled: 05/25/2010 1233							
Date Received: 05/28/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/31/2010 2353	DLB		34838
2	5030B	8260B	1	06/02/2010 0436	DLB		34942

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	1.5	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	2
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

PQL = Practical quantitation limit

B = Detected in 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: LE28018-003			
Description: H17-MW-21D (052510)				Matrix: Aqueous			
Date Sampled: 05/25/2010 1233							
Date Received: 05/28/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/31/2010 2353	DLB		34838
2	5030B	8260B	1	06/02/2010 0436	DLB		34942

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	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		98	70-130		97	70-130
Bromofluorobenzene		97	70-130		99	70-130
Toluene-d8		101	70-130		101	70-130

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: LE28018-004			
Description: H17-MW-21S (052510)				Matrix: Aqueous			
Date Sampled: 05/25/2010 1325							
Date Received: 05/28/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/01/2010 0014	DLB		34838
2	5030B	8260B	1	06/02/2010 0458	DLB		34942

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	1.9	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	2
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

PQL = Practical quantitation limit

B = Detected in 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: LE28018-004			
Description: H17-MW-21S (052510)				Matrix: Aqueous			
Date Sampled: 05/25/2010 1325							
Date Received: 05/28/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/01/2010 0014	DLB		34838
2	5030B	8260B	1	06/02/2010 0458	DLB		34942

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	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		97	70-130
Bromofluorobenzene		97	70-130		99	70-130
Toluene-d8		101	70-130		99	70-130

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: LE28018-005			
Description: H17-MW-22S (052510)				Matrix: Aqueous			
Date Sampled: 05/25/2010 1542							
Date Received: 05/28/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/01/2010 0114	Analyst DLB	Prep Date	Batch 34873		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	3.7	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 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: LE28018-005			
Description: H17-MW-22S (052510)				Matrix: Aqueous			
Date Sampled: 05/25/2010 1542							
Date Received: 05/28/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/01/2010 0114	Analyst DLB	Prep Date	Batch 34873

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		94	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: LE28018-006			
Description: H17-MW-22D (052510)				Matrix: Aqueous			
Date Sampled: 05/25/2010 1642							
Date Received: 05/28/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/01/2010 0137	Analyst DLB	Prep Date	Batch 34873			
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: LE28018-006			
Description: H17-MW-22D (052510)				Matrix: Aqueous			
Date Sampled: 05/25/2010 1642							
Date Received: 05/28/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/01/2010 0137	Analyst DLB	Prep Date	Batch 34873

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		92	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		94	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: LE28018-007			
Description: H17-MW-20D (052510)				Matrix: Aqueous			
Date Sampled: 05/25/2010 1735							
Date Received: 05/28/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/01/2010 0200	Analyst DLB	Prep Date	Batch 34873			
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	0.70		0.50	0.079	ug/L	1
1,1-Dichloroethene			75-35-4	8260B	0.94		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene			156-59-2	8260B	59		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: LE28018-007			
Description: H17-MW-20D (052510)				Matrix: Aqueous			
Date Sampled: 05/25/2010 1735							
Date Received: 05/28/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/01/2010 0200	Analyst DLB	Prep Date	Batch 34873

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	280		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		92	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		94	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: LE28018-008			
Description: H17-MW-19S (052510)				Matrix: Aqueous			
Date Sampled: 05/25/2010 1827							
Date Received: 05/28/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/01/2010 0224	Analyst DLB	Prep Date	Batch 34873			
Parameter			CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone			67-64-1	8260B	5.1	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	0.24	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: LE28018-008			
Description: H17-MW-19S (052510)				Matrix: Aqueous			
Date Sampled: 05/25/2010 1827							
Date Received: 05/28/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/01/2010 0224	Analyst DLB	Prep Date	Batch 34873

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		96	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: LE28018-009			
Description: H17-MW-18D (052510)				Matrix: Aqueous			
Date Sampled: 05/25/2010 1947							
Date Received: 05/28/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/01/2010 0247	Analyst DLB	Prep Date	Batch 34873			
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	5.2		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	1.1		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	3.6		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: LE28018-009			
Description: H17-MW-18D (052510)				Matrix: Aqueous			
Date Sampled: 05/25/2010 1947							
Date Received: 05/28/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/01/2010 0247	Analyst DLB	Prep Date	Batch 34873

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	2.6		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		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 ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample 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: LE28018-010			
Description: H17-DUP-1 (052510)				Matrix: Aqueous			
Date Sampled: 05/25/2010 1200							
Date Received: 05/28/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/01/2010 0310	Analyst DLB	Prep Date	Batch 34873			
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: LE28018-010			
Description: H17-DUP-1 (052510)				Matrix: Aqueous			
Date Sampled: 05/25/2010 1200							
Date Received: 05/28/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/01/2010 0310	Analyst DLB	Prep Date	Batch 34873

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		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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: LE28018-011			
Description: TB-01 (052510)				Matrix: Aqueous			
Date Sampled: 05/25/2010 0900							
Date Received: 05/28/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/01/2010 0334	Analyst DLB	Prep Date	Batch 34873			
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: LE28018-011			
Description: TB-01 (052510)				Matrix: Aqueous			
Date Sampled: 05/25/2010 0900							
Date Received: 05/28/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/01/2010 0334	Analyst DLB	Prep Date	Batch 34873

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		91	70-130
Bromofluorobenzene		88	70-130
Toluene-d8		94	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: LQ34838-001

Matrix: Aqueous

Batch: 34838

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	10	0.061	ug/L	05/31/2010 1834
Benzene	ND		1	0.50	0.027	ug/L	05/31/2010 1834
Bromodichloromethane	ND		1	0.50	0.17	ug/L	05/31/2010 1834
Bromoform	ND		1	0.50	0.010	ug/L	05/31/2010 1834
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	05/31/2010 1834
2-Butanone (MEK)	ND		1	10	2.0	ug/L	05/31/2010 1834
Carbon disulfide	ND		1	0.50	0.097	ug/L	05/31/2010 1834
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	05/31/2010 1834
Chlorobenzene	ND		1	0.50	0.17	ug/L	05/31/2010 1834
Chloroethane	ND		1	0.50	0.17	ug/L	05/31/2010 1834
Chloroform	ND		1	0.50	0.17	ug/L	05/31/2010 1834
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	05/31/2010 1834
Cyclohexane	ND		1	0.50	0.30	ug/L	05/31/2010 1834
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	05/31/2010 1834
Dibromochloromethane	ND		1	0.50	0.17	ug/L	05/31/2010 1834
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	05/31/2010 1834
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	05/31/2010 1834
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	05/31/2010 1834
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	05/31/2010 1834
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	05/31/2010 1834
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	05/31/2010 1834
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	05/31/2010 1834
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	05/31/2010 1834
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	05/31/2010 1834
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	05/31/2010 1834
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	05/31/2010 1834
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	05/31/2010 1834
Ethylbenzene	ND		1	0.50	0.17	ug/L	05/31/2010 1834
2-Hexanone	ND		1	10	0.27	ug/L	05/31/2010 1834
Isopropylbenzene	ND		1	0.50	0.029	ug/L	05/31/2010 1834
Methyl acetate	ND		1	1.0	0.30	ug/L	05/31/2010 1834
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	05/31/2010 1834
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	05/31/2010 1834
Methylcyclohexane	ND		1	5.0	0.95	ug/L	05/31/2010 1834
Methylene chloride	ND		1	0.50	0.17	ug/L	05/31/2010 1834
Styrene	ND		1	0.50	0.015	ug/L	05/31/2010 1834
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	05/31/2010 1834
Tetrachloroethene	ND		1	0.50	0.014	ug/L	05/31/2010 1834
Toluene	ND		1	0.50	0.17	ug/L	05/31/2010 1834
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	05/31/2010 1834
1,2,4-Trichlorobenzene	ND		1	0.50	0.17	ug/L	05/31/2010 1834
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	05/31/2010 1834
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	05/31/2010 1834
Trichloroethene	ND		1	0.50	0.024	ug/L	05/31/2010 1834

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LQ34838-001

Matrix: Aqueous

Batch: 34838

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	05/31/2010 1834
Vinyl chloride	ND		1	0.50	0.065	ug/L	05/31/2010 1834
Xylenes (total)	ND		1	0.50	0.17	ug/L	05/31/2010 1834
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		98	70-130				
1,2-Dichloroethane-d4		96	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: LQ34838-002

Matrix: Aqueous

Batch: 34838

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	95		1	95	46-153	05/31/2010 1708
Benzene	50	44		1	88	70-130	05/31/2010 1708
Bromodichloromethane	50	42		1	84	70-130	05/31/2010 1708
Bromoform	50	42		1	85	70-130	05/31/2010 1708
Bromomethane (Methyl bromide)	50	51		1	102	60-140	05/31/2010 1708
2-Butanone (MEK)	100	95		1	95	60-140	05/31/2010 1708
Carbon disulfide	50	49		1	99	60-140	05/31/2010 1708
Carbon tetrachloride	50	48		1	95	70-130	05/31/2010 1708
Chlorobenzene	50	45		1	91	70-130	05/31/2010 1708
Chloroethane	50	49		1	98	42-163	05/31/2010 1708
Chloroform	50	43		1	87	70-130	05/31/2010 1708
Chloromethane (Methyl chloride)	50	56		1	112	20-158	05/31/2010 1708
Cyclohexane	50	43		1	85	70-130	05/31/2010 1708
1,2-Dibromo-3-chloropropane (DBCP)	50	46		1	92	70-130	05/31/2010 1708
Dibromochloromethane	50	43		1	87	70-130	05/31/2010 1708
1,2-Dibromoethane (EDB)	50	48		1	96	70-130	05/31/2010 1708
1,4-Dichlorobenzene	50	46		1	91	70-130	05/31/2010 1708
1,2-Dichlorobenzene	50	45		1	90	70-130	05/31/2010 1708
1,3-Dichlorobenzene	50	46		1	91	70-130	05/31/2010 1708
1,1-Dichloroethane	50	43		1	85	70-130	05/31/2010 1708
1,2-Dichloroethane	50	43		1	87	70-130	05/31/2010 1708
1,1-Dichloroethene	50	44		1	88	70-130	05/31/2010 1708
trans-1,2-Dichloroethene	50	44		1	87	70-130	05/31/2010 1708
cis-1,2-Dichloroethene	50	44		1	87	70-130	05/31/2010 1708
1,2-Dichloropropane	50	44		1	88	70-130	05/31/2010 1708
trans-1,3-Dichloropropene	50	43		1	87	70-130	05/31/2010 1708
cis-1,3-Dichloropropene	50	49		1	97	70-130	05/31/2010 1708
Ethylbenzene	50	46		1	91	70-130	05/31/2010 1708
2-Hexanone	100	100		1	102	60-140	05/31/2010 1708
Isopropylbenzene	50	47		1	94	70-130	05/31/2010 1708
Methyl acetate	50	47		1	94	15-128	05/31/2010 1708
Methyl tertiary butyl ether (MTBE)	50	46		1	91	70-130	05/31/2010 1708
4-Methyl-2-pentanone	100	97		1	97	60-140	05/31/2010 1708
Methylcyclohexane	50	49		1	97	70-130	05/31/2010 1708
Methylene chloride	50	42		1	84	70-130	05/31/2010 1708
Styrene	50	42		1	84	70-130	05/31/2010 1708
1,1,2,2-Tetrachloroethane	50	47		1	95	70-130	05/31/2010 1708
Tetrachloroethene	50	48		1	95	70-130	05/31/2010 1708
Toluene	50	45		1	90	70-130	05/31/2010 1708
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	50		1	100	70-130	05/31/2010 1708
1,2,4-Trichlorobenzene	50	48		1	95	70-130	05/31/2010 1708
1,1,1-Trichloroethane	50	45		1	91	70-130	05/31/2010 1708
1,1,2-Trichloroethane	50	46		1	93	70-130	05/31/2010 1708
Trichloroethene	50	46		1	92	70-130	05/31/2010 1708

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LQ34838-002

Matrix: Aqueous

Batch: 34838

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichlorofluoromethane	50	54		1	108	60-140	05/31/2010 1708
Vinyl chloride	50	53		1	105	60-140	05/31/2010 1708
Xylenes (total)	100	92		1	92	70-130	05/31/2010 1708
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		100	70-130				
1,2-Dichloroethane-d4		96	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: LQ34838-003

Matrix: Aqueous

Batch: 34838

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	84		1	84	13	46-153	20	05/31/2010 1730
Benzene	50	44		1	89	0.74	70-130	20	05/31/2010 1730
Bromodichloromethane	50	43		1	85	1.0	70-130	20	05/31/2010 1730
Bromoform	50	43		1	85	1.0	70-130	20	05/31/2010 1730
Bromomethane (Methyl bromide)	50	51		1	102	0.026	60-140	20	05/31/2010 1730
2-Butanone (MEK)	100	92		1	92	3.0	60-140	20	05/31/2010 1730
Carbon disulfide	50	49		1	98	0.80	60-140	20	05/31/2010 1730
Carbon tetrachloride	50	48		1	95	0.017	70-130	20	05/31/2010 1730
Chlorobenzene	50	46		1	92	1.0	70-130	20	05/31/2010 1730
Chloroethane	50	49		1	98	0.69	42-163	20	05/31/2010 1730
Chloroform	50	43		1	86	0.77	70-130	20	05/31/2010 1730
Chloromethane (Methyl chloride)	50	55		1	109	2.7	20-158	20	05/31/2010 1730
Cyclohexane	50	41		1	82	3.3	70-130	20	05/31/2010 1730
1,2-Dibromo-3-chloropropane (DBCP)	50	44		1	87	5.5	70-130	20	05/31/2010 1730
Dibromochloromethane	50	43		1	87	0.17	70-130	20	05/31/2010 1730
1,2-Dibromoethane (EDB)	50	49		1	97	1.2	70-130	20	05/31/2010 1730
1,4-Dichlorobenzene	50	46		1	92	1.4	70-130	20	05/31/2010 1730
1,2-Dichlorobenzene	50	46		1	92	1.8	70-130	20	05/31/2010 1730
1,3-Dichlorobenzene	50	46		1	92	0.90	70-130	20	05/31/2010 1730
1,1-Dichloroethane	50	42		1	85	0.80	70-130	20	05/31/2010 1730
1,2-Dichloroethane	50	44		1	87	0.39	70-130	20	05/31/2010 1730
1,1-Dichloroethene	50	44		1	87	1.1	70-130	20	05/31/2010 1730
trans-1,2-Dichloroethene	50	43		1	86	1.7	70-130	20	05/31/2010 1730
cis-1,2-Dichloroethene	50	44		1	88	0.43	70-130	20	05/31/2010 1730
1,2-Dichloropropane	50	44		1	87	0.44	70-130	20	05/31/2010 1730
trans-1,3-Dichloropropene	50	44		1	87	0.43	70-130	20	05/31/2010 1730
cis-1,3-Dichloropropene	50	49		1	99	1.4	70-130	20	05/31/2010 1730
Ethylbenzene	50	46		1	92	0.94	70-130	20	05/31/2010 1730
2-Hexanone	100	100		1	100	2.4	60-140	20	05/31/2010 1730
Isopropylbenzene	50	48		1	96	1.7	70-130	20	05/31/2010 1730
Methyl acetate	50	43		1	86	9.3	15-128	20	05/31/2010 1730
Methyl tertiary butyl ether (MTBE)	50	45		1	91	0.61	70-130	20	05/31/2010 1730
4-Methyl-2-pentanone	100	96		1	96	1.3	60-140	20	05/31/2010 1730
Methylcyclohexane	50	49		1	97	0.32	70-130	20	05/31/2010 1730
Methylene chloride	50	42		1	84	0.36	70-130	20	05/31/2010 1730
Styrene	50	42		1	84	0.96	70-130	20	05/31/2010 1730
1,1,2,2-Tetrachloroethane	50	47		1	93	1.3	70-130	20	05/31/2010 1730
Tetrachloroethene	50	48		1	96	0.38	70-130	20	05/31/2010 1730
Toluene	50	45		1	90	0.14	70-130	20	05/31/2010 1730
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	50		1	100	0.11	70-130	20	05/31/2010 1730
1,2,4-Trichlorobenzene	50	48		1	96	1.3	70-130	20	05/31/2010 1730
1,1,1-Trichloroethane	50	45		1	91	0.50	70-130	20	05/31/2010 1730
1,1,2-Trichloroethane	50	47		1	93	0.64	70-130	20	05/31/2010 1730
Trichloroethene	50	46		1	92	0.37	70-130	20	05/31/2010 1730

PQL = Practical quantitation limit

P = The RPD between 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: LQ34838-003

Matrix: Aqueous

Batch: 34838

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	53		1	106	2.2	60-140	20	05/31/2010 1730
Vinyl chloride	50	52		1	103	1.9	60-140	20	05/31/2010 1730
Xylenes (total)	100	93		1	93	1.9	70-130	20	05/31/2010 1730
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		101	70-130						
1,2-Dichloroethane-d4		95	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: LQ34873-001

Matrix: Aqueous

Batch: 34873

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	10	0.061	ug/L	06/01/2010 0028
Benzene	ND		1	0.50	0.027	ug/L	06/01/2010 0028
Bromodichloromethane	ND		1	0.50	0.17	ug/L	06/01/2010 0028
Bromoform	ND		1	0.50	0.010	ug/L	06/01/2010 0028
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	06/01/2010 0028
2-Butanone (MEK)	ND		1	10	2.0	ug/L	06/01/2010 0028
Carbon disulfide	ND		1	0.50	0.097	ug/L	06/01/2010 0028
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	06/01/2010 0028
Chlorobenzene	ND		1	0.50	0.17	ug/L	06/01/2010 0028
Chloroethane	ND		1	0.50	0.17	ug/L	06/01/2010 0028
Chloroform	ND		1	0.50	0.17	ug/L	06/01/2010 0028
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	06/01/2010 0028
Cyclohexane	ND		1	0.50	0.30	ug/L	06/01/2010 0028
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	06/01/2010 0028
Dibromochloromethane	ND		1	0.50	0.17	ug/L	06/01/2010 0028
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	06/01/2010 0028
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	06/01/2010 0028
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	06/01/2010 0028
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	06/01/2010 0028
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	06/01/2010 0028
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	06/01/2010 0028
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	06/01/2010 0028
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	06/01/2010 0028
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	06/01/2010 0028
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	06/01/2010 0028
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	06/01/2010 0028
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	06/01/2010 0028
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	06/01/2010 0028
Ethylbenzene	ND		1	0.50	0.17	ug/L	06/01/2010 0028
2-Hexanone	ND		1	10	0.27	ug/L	06/01/2010 0028
Isopropylbenzene	ND		1	0.50	0.029	ug/L	06/01/2010 0028
Methyl acetate	ND		1	1.0	0.30	ug/L	06/01/2010 0028
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	06/01/2010 0028
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	06/01/2010 0028
Methylcyclohexane	ND		1	5.0	0.95	ug/L	06/01/2010 0028
Methylene chloride	ND		1	0.50	0.17	ug/L	06/01/2010 0028
Styrene	ND		1	0.50	0.015	ug/L	06/01/2010 0028
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	06/01/2010 0028
Tetrachloroethene	ND		1	0.50	0.014	ug/L	06/01/2010 0028
Toluene	ND		1	0.50	0.17	ug/L	06/01/2010 0028
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	06/01/2010 0028
1,2,4-Trichlorobenzene	ND		1	0.50	0.17	ug/L	06/01/2010 0028
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	06/01/2010 0028
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	06/01/2010 0028

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LQ34873-001

Matrix: Aqueous

Batch: 34873

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.024	ug/L	06/01/2010 0028
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	06/01/2010 0028
Vinyl chloride	ND		1	0.50	0.065	ug/L	06/01/2010 0028
Xylenes (total)	ND		1	0.50	0.17	ug/L	06/01/2010 0028
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		95	70-130				
1,2-Dichloroethane-d4		96	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: LQ34873-002

Matrix: Aqueous

Batch: 34873

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	88		1	88	46-153	05/31/2010 2254
Benzene	50	45		1	89	70-130	05/31/2010 2254
Bromodichloromethane	50	42		1	85	70-130	05/31/2010 2254
Bromoform	50	43		1	85	70-130	05/31/2010 2254
Bromomethane (Methyl bromide)	50	46		1	92	60-140	05/31/2010 2254
2-Butanone (MEK)	100	89		1	89	60-140	05/31/2010 2254
Carbon disulfide	50	47		1	95	60-140	05/31/2010 2254
Carbon tetrachloride	50	43		1	86	70-130	05/31/2010 2254
Chlorobenzene	50	47		1	94	70-130	05/31/2010 2254
Chloroethane	50	47		1	94	42-163	05/31/2010 2254
Chloroform	50	44		1	87	70-130	05/31/2010 2254
Chloromethane (Methyl chloride)	50	49		1	98	20-158	05/31/2010 2254
Cyclohexane	50	57		1	115	70-130	05/31/2010 2254
1,2-Dibromo-3-chloropropane (DBCP)	50	44		1	88	70-130	05/31/2010 2254
Dibromochloromethane	50	44		1	88	70-130	05/31/2010 2254
1,2-Dibromoethane (EDB)	50	49		1	99	70-130	05/31/2010 2254
1,4-Dichlorobenzene	50	47		1	95	70-130	05/31/2010 2254
1,2-Dichlorobenzene	50	47		1	93	70-130	05/31/2010 2254
1,3-Dichlorobenzene	50	49		1	97	70-130	05/31/2010 2254
Dichlorodifluoromethane	50	55		1	111	60-140	05/31/2010 2254
1,2-Dichloroethane	50	42		1	83	70-130	05/31/2010 2254
1,1-Dichloroethane	50	43		1	87	70-130	05/31/2010 2254
cis-1,2-Dichloroethene	50	45		1	90	70-130	05/31/2010 2254
1,1-Dichloroethene	50	44		1	89	70-130	05/31/2010 2254
trans-1,2-Dichloroethene	50	44		1	87	70-130	05/31/2010 2254
1,2-Dichloropropane	50	46		1	92	70-130	05/31/2010 2254
cis-1,3-Dichloropropene	50	44		1	87	70-130	05/31/2010 2254
trans-1,3-Dichloropropene	50	47		1	95	70-130	05/31/2010 2254
Ethylbenzene	50	49		1	97	70-130	05/31/2010 2254
2-Hexanone	100	95		1	95	60-140	05/31/2010 2254
Isopropylbenzene	50	52		1	104	70-130	05/31/2010 2254
Methyl acetate	50	44		1	88	15-128	05/31/2010 2254
Methyl tertiary butyl ether (MTBE)	50	45		1	89	70-130	05/31/2010 2254
4-Methyl-2-pentanone	100	88		1	88	60-140	05/31/2010 2254
Methylcyclohexane	50	48		1	96	70-130	05/31/2010 2254
Methylene chloride	50	42		1	83	70-130	05/31/2010 2254
Styrene	50	44		1	88	70-130	05/31/2010 2254
1,1,2,2-Tetrachloroethane	50	51		1	102	70-130	05/31/2010 2254
Tetrachloroethene	50	44		1	88	70-130	05/31/2010 2254
Toluene	50	46		1	93	70-130	05/31/2010 2254
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	45		1	89	70-130	05/31/2010 2254
1,2,4-Trichlorobenzene	50	52		1	105	70-130	05/31/2010 2254
1,1,2-Trichloroethane	50	47		1	94	70-130	05/31/2010 2254
1,1,1-Trichloroethane	50	46		1	92	70-130	05/31/2010 2254

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LQ34873-002

Matrix: Aqueous

Batch: 34873

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	44		1	89	70-130	05/31/2010 2254
Trichlorofluoromethane	50	48		1	97	60-140	05/31/2010 2254
Vinyl chloride	50	48		1	96	60-140	05/31/2010 2254
Xylenes (total)	100	94		1	94	70-130	05/31/2010 2254
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		96	70-130				
1,2-Dichloroethane-d4		91	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 - LCSD

Sample ID: LQ34873-003

Matrix: Aqueous

Batch: 34873

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	88		1	88	1.1	46-153	20	05/31/2010 2318
Benzene	50	44		1	87	2.0	70-130	20	05/31/2010 2318
Bromodichloromethane	50	42		1	84	0.33	70-130	20	05/31/2010 2318
Bromoform	50	43		1	86	0.84	70-130	20	05/31/2010 2318
Bromomethane (Methyl bromide)	50	46		1	93	1.2	60-140	20	05/31/2010 2318
2-Butanone (MEK)	100	91		1	91	2.7	60-140	20	05/31/2010 2318
Carbon disulfide	50	47		1	93	1.4	60-140	20	05/31/2010 2318
Carbon tetrachloride	50	43		1	86	0.76	70-130	20	05/31/2010 2318
Chlorobenzene	50	46		1	92	2.0	70-130	20	05/31/2010 2318
Chloroethane	50	46		1	93	1.8	42-163	20	05/31/2010 2318
Chloroform	50	44		1	87	0.35	70-130	20	05/31/2010 2318
Chloromethane (Methyl chloride)	50	47		1	94	3.5	20-158	20	05/31/2010 2318
Cyclohexane	50	58		1	116	1.3	70-130	20	05/31/2010 2318
1,2-Dibromo-3-chloropropane (DBCP)	50	44		1	89	1.5	70-130	20	05/31/2010 2318
Dibromochloromethane	50	44		1	87	0.63	70-130	20	05/31/2010 2318
1,2-Dibromoethane (EDB)	50	49		1	99	0.30	70-130	20	05/31/2010 2318
1,4-Dichlorobenzene	50	47		1	94	1.2	70-130	20	05/31/2010 2318
1,2-Dichlorobenzene	50	47		1	93	0.028	70-130	20	05/31/2010 2318
1,3-Dichlorobenzene	50	48		1	96	0.74	70-130	20	05/31/2010 2318
Dichlorodifluoromethane	50	54		1	108	2.5	60-140	20	05/31/2010 2318
1,2-Dichloroethane	50	42		1	84	1.2	70-130	20	05/31/2010 2318
1,1-Dichloroethane	50	44		1	87	0.46	70-130	20	05/31/2010 2318
cis-1,2-Dichloroethene	50	44		1	89	0.81	70-130	20	05/31/2010 2318
1,1-Dichloroethene	50	44		1	87	1.9	70-130	20	05/31/2010 2318
trans-1,2-Dichloroethene	50	43		1	86	1.7	70-130	20	05/31/2010 2318
1,2-Dichloropropane	50	46		1	91	0.96	70-130	20	05/31/2010 2318
cis-1,3-Dichloropropene	50	44		1	87	0.15	70-130	20	05/31/2010 2318
trans-1,3-Dichloropropene	50	47		1	95	0.41	70-130	20	05/31/2010 2318
Ethylbenzene	50	48		1	95	2.1	70-130	20	05/31/2010 2318
2-Hexanone	100	95		1	95	0.78	60-140	20	05/31/2010 2318
Isopropylbenzene	50	51		1	103	1.1	70-130	20	05/31/2010 2318
Methyl acetate	50	45		1	90	2.4	15-128	20	05/31/2010 2318
Methyl tertiary butyl ether (MTBE)	50	45		1	90	1.0	70-130	20	05/31/2010 2318
4-Methyl-2-pentanone	100	90		1	90	1.9	60-140	20	05/31/2010 2318
Methylcyclohexane	50	48		1	95	1.0	70-130	20	05/31/2010 2318
Methylene chloride	50	42		1	83	0.37	70-130	20	05/31/2010 2318
Styrene	50	43		1	87	1.2	70-130	20	05/31/2010 2318
1,1,2,2-Tetrachloroethane	50	52		1	103	1.1	70-130	20	05/31/2010 2318
Tetrachloroethene	50	44		1	88	0.38	70-130	20	05/31/2010 2318
Toluene	50	45		1	91	2.0	70-130	20	05/31/2010 2318
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	44		1	87	2.2	70-130	20	05/31/2010 2318
1,2,4-Trichlorobenzene	50	51		1	103	1.8	70-130	20	05/31/2010 2318
1,1,2-Trichloroethane	50	48		1	95	1.3	70-130	20	05/31/2010 2318
1,1,1-Trichloroethane	50	46		1	92	0.087	70-130	20	05/31/2010 2318

PQL = Practical quantitation limit

P = The RPD between 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: LQ34873-003

Matrix: Aqueous

Batch: 34873

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	44		1	88	0.88	70-130	20	05/31/2010 2318
Trichlorofluoromethane	50	48		1	95	1.9	60-140	20	05/31/2010 2318
Vinyl chloride	50	46		1	92	4.3	60-140	20	05/31/2010 2318
Xylenes (total)	100	93		1	93	1.1	70-130	20	05/31/2010 2318
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		101	70-130						
1,2-Dichloroethane-d4		97	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 $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LQ34942-001

Matrix: Aqueous

Batch: 34942

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	06/01/2010 2235
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		98	70-130				
1,2-Dichloroethane-d4		98	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: LQ34942-002

Batch: 34942

Analytical Method: 8260B

Matrix: Aqueous

Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Dichlorodifluoromethane	50	82	N	1	164	60-140	06/01/2010 2110
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		104	70-130				
1,2-Dichloroethane-d4		98	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

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ34942-003

Matrix: Aqueous

Batch: 34942

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Dichlorodifluoromethane	50	76	N	1	152	8.0	60-140	20	06/01/2010 2131
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		104	70-130						
1,2-Dichloroethane-d4		97	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



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 108513

Client ARCADIS		Report to Contact Chase Foman		Telephone No. / Fax No. / E-mail 919-854-1282		Quote No.	
Address 2849 Pacos Ferry Rd		Sampler's Signature x Erica Maddox		Waybill No.		Page 1 of 1	
City Atlanta		Printed Name Erica Maddox		Analysts (Attach list if more space is needed.)			
State GA		Zip Code 30339					
Project Name Hunter Stewart-HAA-17		Report					
Project No. GPOBHA.FS.H17.DG.OF1		PC No.		Lot No. LE28018		Remarks / Cooler ID.	
Sample ID / Description (Containers for each sample may be combined on one line.)		Date		Time			
H17-MW-17S (052510)		9/25/10		0912		✓	
H17-MW-17D (052510)				1135		✓	
H17-MW-21D (052510)				1233		✓	
H17-MW-21S (052510)				1325		✓	
H17-MW-22S (052510)				1542		✓	
H17-MW-22D (052510)				1642		✓	
H17-MW-20D (052510)				1735		✓	
H17-MW-19S (052510)				1827		✓	
H17-MW-18D (052510)				1947		✓	
H17-DUP-1 (052510)		✓		1200		✓	
TB-01 (052510)		✓		08100		✓	
Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison		Sample Disposal ☐ Return to Client ☐ Disposal by Lab		QC Requirements (Specify)			
Turn Around Time Required (Prior lab approval required for expedited TAT) Standards ☒ Run (Specify) 4 week		1. Relinquished by Erica Maddox		Date 5/27/10		Time 1100	
2. Relinquished by				Date		Time	
3. Relinquished by		Foman		Date 5/28/10		Time 0800	
Comments		LAB USE ONLY Received on ice (Circle) ☒ No Ice Pack		Receipt Temp. 1.0 °C			

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Final Client Copy

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: ECI 5/28/06 Lot #: LE-28018

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>1-0</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 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: _____

Report of Analysis

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

Project Name: HAA-17

Project Number: GP08HAFS.H17B.DGOFI

Lot Number: LF12005

Date Completed: 06/18/2010



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.

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SHEALY ENVIRONMENTAL SERVICES, INC.

SC DHEC No: 32010

NELAC No: E87653

NC DEHNR No: 329

Case Narrative ARCADIS U.S., Inc. Lot Number: LF12005

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.

Volatile Organic Compounds

The LCS recovery for Carbon disulfide, Chloromethane (Methyl chloride) and 1,1,2-Trichloro-1,2,2-Trifluoroethane were outside method control limits in batch 32956. The LCSD results were within limits. Therefore the associated sample results were reported and no corrective action was required.

The LCS recovery for Carbon disulfide and 1,1,2-Trichloro-1,2,2-Trifluoroethane were outside method control limits in batches 35766 and 35990. 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: LF12005

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	H17-SED-01 (061110)	Solid	06/11/2010 1015	06/12/2010
002	H17-SW-01 (061110)	Aqueous	06/11/2010 1015	06/12/2010
003	H17-SED-02 (061110)	Solid	06/11/2010 0950	06/12/2010
004	H17-SW-02 (061110)	Aqueous	06/11/2010 0950	06/12/2010
005	H17-SED-03 (061110)	Solid	06/11/2010 0920	06/12/2010
006	H17-SW-03 (061110)	Aqueous	06/11/2010 0920	06/12/2010
007	TRIP BLANK	Aqueous	06/11/2010	06/12/2010

(7 samples)

SHEALY ENVIRONMENTAL SERVICES, INC.

Executive Summary ARCADIS U.S., Inc. Lot Number: LF12005

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	H17-SED-01 (061110)	Solid	Tetrachloroethene	8260B	17		ug/kg	5
002	H17-SW-01 (061110)	Aqueous	Acetone	8260B	4.0	J	ug/L	7
003	H17-SED-02 (061110)	Solid	Acetone	8260B	20		ug/kg	9
003	H17-SED-02 (061110)	Solid	Benzene	8260B	18		ug/kg	9
003	H17-SED-02 (061110)	Solid	2-Butanone (MEK)	8260B	1.2	J	ug/kg	9
003	H17-SED-02 (061110)	Solid	Cyclohexane	8260B	1.8	BJ	ug/kg	9
003	H17-SED-02 (061110)	Solid	Ethylbenzene	8260B	3.6		ug/kg	9
003	H17-SED-02 (061110)	Solid	Isopropylbenzene	8260B	0.57	J	ug/kg	9
003	H17-SED-02 (061110)	Solid	Methyl acetate	8260B	0.42	BJ	ug/kg	9
003	H17-SED-02 (061110)	Solid	Methyl tertiary butyl ether (MTBE)	8260B	0.58	J	ug/kg	9
003	H17-SED-02 (061110)	Solid	Tetrachloroethene	8260B	8.3		ug/kg	9
003	H17-SED-02 (061110)	Solid	Toluene	8260B	0.84	J	ug/kg	9
003	H17-SED-02 (061110)	Solid	Xylenes (total)	8260B	10		ug/kg	10
004	H17-SW-02 (061110)	Aqueous	Acetone	8260B	2.4	J	ug/L	11
004	H17-SW-02 (061110)	Aqueous	Benzene	8260B	0.22	J	ug/L	11
005	H17-SED-03 (061110)	Solid	Acetone	8260B	120		ug/kg	13
005	H17-SED-03 (061110)	Solid	2-Butanone (MEK)	8260B	37		ug/kg	13
005	H17-SED-03 (061110)	Solid	Tetrachloroethene	8260B	52		ug/kg	13
006	H17-SW-03 (061110)	Aqueous	Acetone	8260B	7.8	J	ug/L	15
007	TRIP BLANK	Aqueous	Acetone	8260B	4.6	J	ug/L	17

(20 detections)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.					Laboratory ID: LF12005-001			
Description: H17-SED-01 (061110)					Matrix: Solid			
Date Sampled: 06/11/2010 1015					% Solids: 74.9 06/12/2010 1721			
Date Received: 06/12/2010								

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 06/15/2010 0403	Analyst DLB	Prep Date	Batch 35766	Sample Wt.(g) 9.56

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		14	4.7	ug/kg	1
Benzene	71-43-2	8260B	ND		3.5	0.77	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		3.5	1.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		3.5	0.49	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		3.5	1.3	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		7.0	1.7	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		3.5	0.91	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		3.5	1.3	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		3.5	1.2	ug/kg	1
Chloroethane	75-00-3	8260B	ND		3.5	0.91	ug/kg	1
Chloroform	67-66-3	8260B	ND		3.5	0.58	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		3.5	0.70	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		3.5	0.47	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		3.5	1.0	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		3.5	1.2	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		3.5	0.59	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		3.5	1.2	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		3.5	1.2	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		3.5	1.2	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		3.5	1.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		3.5	0.51	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		3.5	0.70	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		3.5	1.2	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		3.5	0.53	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		3.5	1.0	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		3.5	0.64	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		3.5	0.48	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		3.5	0.57	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		3.5	1.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		7.0	0.91	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		3.5	0.56	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		3.5	0.47	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		3.5	0.28	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		7.0	1.0	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		3.5	0.43	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		3.5	1.8	ug/kg	1
Styrene	100-42-5	8260B	ND		3.5	0.77	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		3.5	0.33	ug/kg	1
Tetrachloroethene	127-18-4	8260B	17		3.5	1.6	ug/kg	1
Toluene	108-88-3	8260B	ND		3.5	1.2	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		3.5	1.5	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		3.5	1.2	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		3.5	0.59	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		3.5	0.55	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: LF12005-001
Description: H17-SED-01 (061110)	Matrix: Solid
Date Sampled: 06/11/2010 1015	% Solids: 74.9 06/12/2010 1721
Date Received: 06/12/2010	

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 06/15/2010 0403	Analyst DLB	Prep Date	Batch 35766	Sample Wt.(g) 9.56	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		3.5	1.3	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		3.5	1.0	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		3.5	0.60	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		3.5	2.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	53-142
Bromofluorobenzene		107	47-138
Toluene-d8		109	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: LF12005-002			
Description: H17-SW-01 (061110)				Matrix: Aqueous			
Date Sampled: 06/11/2010 1015							
Date Received: 06/12/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	06/16/2010 0417	DLB		35838		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	4.0	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: LF12005-002			
Description: H17-SW-01 (061110)				Matrix: Aqueous			
Date Sampled: 06/11/2010 1015							
Date Received: 06/12/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/16/2010 0417	Analyst DLB	Prep Date	Batch 35838

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		95	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: LF12005-003			
Description: H17-SED-02 (061110)				Matrix: Solid			
Date Sampled: 06/11/2010 0950				% Solids: 71.6 06/12/2010 1721			
Date Received: 06/12/2010							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	06/17/2010 0115	LBS		32956	14.17

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	20		9.9	3.3	ug/kg	1
Benzene	71-43-2	8260B	18		2.5	0.54	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		2.5	0.84	ug/kg	1
Bromoform	75-25-2	8260B	ND		2.5	0.35	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.5	0.89	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	1.2	J	4.9	1.2	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		2.5	0.64	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		2.5	0.89	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		2.5	0.84	ug/kg	1
Chloroethane	75-00-3	8260B	ND		2.5	0.64	ug/kg	1
Chloroform	67-66-3	8260B	ND		2.5	0.41	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.5	0.49	ug/kg	1
Cyclohexane	110-82-7	8260B	1.8	BJ	2.5	0.33	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2.5	0.74	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		2.5	0.84	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2.5	0.42	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2.5	0.84	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2.5	0.84	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2.5	0.84	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.5	0.79	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		2.5	0.36	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		2.5	0.49	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		2.5	0.84	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		2.5	0.37	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		2.5	0.74	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		2.5	0.45	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2.5	0.34	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2.5	0.40	ug/kg	1
Ethylbenzene	100-41-4	8260B	3.6		2.5	0.84	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		4.9	0.64	ug/kg	1
Isopropylbenzene	98-82-8	8260B	0.57	J	2.5	0.39	ug/kg	1
Methyl acetate	79-20-9	8260B	0.42	BJ	2.5	0.33	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	0.58	J	2.5	0.20	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		4.9	0.74	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		2.5	0.30	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		2.5	1.3	ug/kg	1
Styrene	100-42-5	8260B	ND		2.5	0.54	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2.5	0.23	ug/kg	1
Tetrachloroethene	127-18-4	8260B	8.3		2.5	1.1	ug/kg	1
Toluene	108-88-3	8260B	0.84	J	2.5	0.84	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2.5	1.0	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2.5	0.84	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		2.5	0.42	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		2.5	0.39	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: LF12005-003
Description: H17-SED-02 (061110)	Matrix: Solid
Date Sampled: 06/11/2010 0950	% Solids: 71.6 06/12/2010 1721
Date Received: 06/12/2010	

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 06/17/2010 0115	Analyst LBS	Prep Date	Batch 32956	Sample Wt.(g) 14.17	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		2.5	0.94	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		2.5	0.74	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		2.5	0.42	ug/kg	1
Xylenes (total)	1330-20-7	8260B	10		2.5	1.4	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	53-142
Bromofluorobenzene		106	47-138
Toluene-d8		106	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: LF12005-004			
Description: H17-SW-02 (061110)				Matrix: Aqueous			
Date Sampled: 06/11/2010 0950							
Date Received: 06/12/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/16/2010 0439	Analyst DLB	Prep Date	Batch 35838		
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	0.22	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	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: LF12005-004			
Description: H17-SW-02 (061110)				Matrix: Aqueous			
Date Sampled: 06/11/2010 0950							
Date Received: 06/12/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/16/2010 0439	Analyst DLB	Prep Date	Batch 35838

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		95	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: LF12005-005			
Description: H17-SED-03 (061110)					Matrix: Solid			
Date Sampled: 06/11/2010 0920					% Solids: 28.9 06/12/2010 1721			
Date Received: 06/12/2010								

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	1	06/15/2010 0449	LBS		35990	5.00

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	120		69	23	ug/kg	2
Benzene	71-43-2	8260B	ND		17	3.8	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		17	5.9	ug/kg	2
Bromoform	75-25-2	8260B	ND		17	2.4	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		17	6.2	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	37		35	8.3	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		17	4.5	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		17	6.2	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		17	5.9	ug/kg	2
Chloroethane	75-00-3	8260B	ND		17	4.5	ug/kg	2
Chloroform	67-66-3	8260B	ND		17	2.9	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		17	3.5	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		17	2.3	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		17	5.2	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		17	5.9	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		17	2.9	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		17	5.9	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		17	5.9	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		17	5.9	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		17	5.5	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		17	2.5	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		17	3.5	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		17	5.9	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		17	2.6	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		17	5.2	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		17	3.1	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		17	2.4	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		17	2.8	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		17	5.9	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		35	4.5	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		17	2.8	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		17	2.3	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		17	1.4	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		35	5.2	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		17	2.1	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		17	9.0	ug/kg	2
Styrene	100-42-5	8260B	ND		17	3.8	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		17	1.6	ug/kg	2
Tetrachloroethene	127-18-4	8260B	52		17	8.0	ug/kg	2
Toluene	108-88-3	8260B	ND		17	5.9	ug/kg	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		17	7.3	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		17	5.9	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		17	2.9	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		17	2.7	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: LF12005-005
Description: H17-SED-03 (061110)	Matrix: Solid
Date Sampled: 06/11/2010 0920	% Solids: 28.9 06/12/2010 1721
Date Received: 06/12/2010	

Run 2	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 06/15/2010 0449	Analyst LBS	Prep Date	Batch 35990	Sample Wt.(g) 5.00	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		17	6.6	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		17	5.2	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		17	3.0	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		17	10	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	53-142
Bromofluorobenzene		85	47-138
Toluene-d8		105	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: LF12005-006			
Description: H17-SW-03 (061110)				Matrix: Aqueous			
Date Sampled: 06/11/2010 0920							
Date Received: 06/12/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/16/2010 0501	Analyst DLB	Prep Date	Batch 35838		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	7.8	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 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: LF12005-006			
Description: H17-SW-03 (061110)				Matrix: Aqueous			
Date Sampled: 06/11/2010 0920							
Date Received: 06/12/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/16/2010 0501	Analyst DLB	Prep Date	Batch 35838

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		96	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: LF12005-007			
Description: TRIP BLANK				Matrix: Aqueous			
Date Sampled: 06/11/2010							
Date Received: 06/12/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/16/2010 0523	Analyst DLB	Prep Date	Batch 35838		
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 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: LF12005-007			
Description: TRIP BLANK				Matrix: Aqueous			
Date Sampled: 06/11/2010							
Date Received: 06/12/2010							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/16/2010 0523	Analyst DLB	Prep Date	Batch 35838

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		95	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 ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample 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: LQ32956-001

Matrix: Solid

Batch: 32956

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	06/16/2010 2135
Benzene	ND		1	5.0	1.1	ug/kg	06/16/2010 2135
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	06/16/2010 2135
Bromoform	ND		1	5.0	0.70	ug/kg	06/16/2010 2135
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	06/16/2010 2135
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	06/16/2010 2135
Carbon disulfide	ND		1	5.0	1.3	ug/kg	06/16/2010 2135
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	06/16/2010 2135
Chlorobenzene	ND		1	5.0	1.7	ug/kg	06/16/2010 2135
Chloroethane	ND		1	5.0	1.3	ug/kg	06/16/2010 2135
Chloroform	ND		1	5.0	0.83	ug/kg	06/16/2010 2135
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	06/16/2010 2135
Cyclohexane	1.2	J	1	5.0	0.67	ug/kg	06/16/2010 2135
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	06/16/2010 2135
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	06/16/2010 2135
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	06/16/2010 2135
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	06/16/2010 2135
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	06/16/2010 2135
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	06/16/2010 2135
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	06/16/2010 2135
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	06/16/2010 2135
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	06/16/2010 2135
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	06/16/2010 2135
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	06/16/2010 2135
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	06/16/2010 2135
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	06/16/2010 2135
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	06/16/2010 2135
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	06/16/2010 2135
Ethylbenzene	ND		1	5.0	1.7	ug/kg	06/16/2010 2135
2-Hexanone	3.8	J	1	10	1.3	ug/kg	06/16/2010 2135
Isopropylbenzene	ND		1	5.0	0.80	ug/kg	06/16/2010 2135
Methyl acetate	1.0	J	1	5.0	0.67	ug/kg	06/16/2010 2135
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	06/16/2010 2135
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	06/16/2010 2135
Methylcyclohexane	ND		1	5.0	0.61	ug/kg	06/16/2010 2135
Methylene chloride	ND		1	5.0	2.6	ug/kg	06/16/2010 2135
Styrene	ND		1	5.0	1.1	ug/kg	06/16/2010 2135
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	06/16/2010 2135
Tetrachloroethene	ND		1	5.0	2.3	ug/kg	06/16/2010 2135
Toluene	ND		1	5.0	1.7	ug/kg	06/16/2010 2135
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	2.1	ug/kg	06/16/2010 2135
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	06/16/2010 2135
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	06/16/2010 2135
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	06/16/2010 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 ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LQ32956-001

Matrix: Solid

Batch: 32956

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	06/16/2010 2135
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	06/16/2010 2135
Vinyl chloride	ND		1	5.0	0.86	ug/kg	06/16/2010 2135
Xylenes (total)	ND		1	5.0	2.9	ug/kg	06/16/2010 2135
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		110	47-138				
1,2-Dichloroethane-d4		96	53-142				
Toluene-d8		109	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: LQ32956-002

Matrix: Solid

Batch: 32956

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	120		1	124	42-149	06/16/2010 2025
Benzene	50	60		1	121	69-123	06/16/2010 2025
Bromodichloromethane	50	59		1	118	69-121	06/16/2010 2025
Bromoform	50	58		1	116	61-119	06/16/2010 2025
Bromomethane (Methyl bromide)	50	54		1	108	35-144	06/16/2010 2025
2-Butanone (MEK)	100	120		1	124	57-148	06/16/2010 2025
Carbon disulfide	50	62	N	1	123	58-122	06/16/2010 2025
Carbon tetrachloride	50	60		1	120	58-136	06/16/2010 2025
Chlorobenzene	50	62		1	125	59-129	06/16/2010 2025
Chloroethane	50	63		1	126	50-132	06/16/2010 2025
Chloroform	50	60		1	120	71-125	06/16/2010 2025
Chloromethane (Methyl chloride)	50	68	N	1	137	34-134	06/16/2010 2025
Cyclohexane	50	61		1	123	53-139	06/16/2010 2025
1,2-Dibromo-3-chloropropane (DBCP)	50	54		1	108	55-125	06/16/2010 2025
Dibromochloromethane	50	59		1	119	66-119	06/16/2010 2025
1,2-Dibromoethane (EDB)	50	58		1	115	74-124	06/16/2010 2025
1,2-Dichlorobenzene	50	62		1	124	57-131	06/16/2010 2025
1,4-Dichlorobenzene	50	65		1	130	52-133	06/16/2010 2025
1,3-Dichlorobenzene	50	65		1	130	51-134	06/16/2010 2025
Dichlorodifluoromethane	50	74		1	148	10-157	06/16/2010 2025
1,1-Dichloroethane	50	59		1	119	71-127	06/16/2010 2025
1,2-Dichloroethane	50	60		1	120	67-129	06/16/2010 2025
1,1-Dichloroethene	50	58		1	117	69-138	06/16/2010 2025
cis-1,2-Dichloroethene	50	60		1	121	70-122	06/16/2010 2025
trans-1,2-Dichloroethene	50	59		1	118	68-131	06/16/2010 2025
1,2-Dichloropropane	50	59		1	119	72-124	06/16/2010 2025
cis-1,3-Dichloropropene	50	61		1	121	70-126	06/16/2010 2025
trans-1,3-Dichloropropene	50	59		1	119	70-124	06/16/2010 2025
Ethylbenzene	50	64		1	127	59-128	06/16/2010 2025
2-Hexanone	100	120		1	117	54-137	06/16/2010 2025
Isopropylbenzene	50	62		1	123	50-136	06/16/2010 2025
Methyl acetate	50	60		1	120	59-137	06/16/2010 2025
Methyl tertiary butyl ether (MTBE)	50	59		1	117	72-122	06/16/2010 2025
4-Methyl-2-pentanone	100	110		1	114	60-134	06/16/2010 2025
Methylcyclohexane	50	64		1	127	41-144	06/16/2010 2025
Methylene chloride	50	57		1	114	77-129	06/16/2010 2025
Styrene	50	64		1	128	54-136	06/16/2010 2025
1,1,2,2-Tetrachloroethane	50	58		1	116	69-132	06/16/2010 2025
Tetrachloroethene	50	63		1	127	70-130	06/16/2010 2025
Toluene	50	60		1	119	61-129	06/16/2010 2025
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	72	N	1	144	49-136	06/16/2010 2025
1,2,4-Trichlorobenzene	50	70		1	139	34-145	06/16/2010 2025
1,1,2-Trichloroethane	50	53		1	106	55-128	06/16/2010 2025
1,1,1-Trichloroethane	50	60		1	120	63-128	06/16/2010 2025

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LQ32956-002

Matrix: Solid

Batch: 32956

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	60		1	119	62-126	06/16/2010 2025
Trichlorofluoromethane	50	60		1	119	45-138	06/16/2010 2025
Vinyl chloride	50	58		1	116	42-132	06/16/2010 2025
Xylenes (total)	100	130		1	127	58-128	06/16/2010 2025
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		112	47-138				
1,2-Dichloroethane-d4		95	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

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ32956-003

Batch: 32956

Analytical Method: 8260B

Matrix: Solid

Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	96	+	1	96	26	42-149	20	06/16/2010 2158
Benzene	50	51		1	102	17	69-123	20	06/16/2010 2158
Bromodichloromethane	50	48		1	96	20	69-121	20	06/16/2010 2158
Bromoform	50	44	+	1	89	26	61-119	20	06/16/2010 2158
Bromomethane (Methyl bromide)	50	47		1	93	14	35-144	20	06/16/2010 2158
2-Butanone (MEK)	100	97	+	1	97	25	57-148	20	06/16/2010 2158
Carbon disulfide	50	52		1	105	16	58-122	20	06/16/2010 2158
Carbon tetrachloride	50	50		1	99	19	58-136	20	06/16/2010 2158
Chlorobenzene	50	51		1	103	19	59-129	20	06/16/2010 2158
Chloroethane	50	51	+	1	101	21	50-132	20	06/16/2010 2158
Chloroform	50	50		1	101	18	71-125	20	06/16/2010 2158
Chloromethane (Methyl chloride)	50	58		1	116	17	34-134	20	06/16/2010 2158
Cyclohexane	50	52		1	105	16	53-139	20	06/16/2010 2158
1,2-Dibromo-3-chloropropane (DBCP)	50	42	+	1	84	25	55-125	20	06/16/2010 2158
Dibromochloromethane	50	47	+	1	93	24	66-119	20	06/16/2010 2158
1,2-Dibromoethane (EDB)	50	46	+	1	92	22	74-124	20	06/16/2010 2158
1,2-Dichlorobenzene	50	50	+	1	100	22	57-131	20	06/16/2010 2158
1,4-Dichlorobenzene	50	53		1	107	20	52-133	20	06/16/2010 2158
1,3-Dichlorobenzene	50	53		1	106	20	51-134	20	06/16/2010 2158
Dichlorodifluoromethane	50	61		1	123	18	10-157	20	06/16/2010 2158
1,1-Dichloroethane	50	50		1	101	17	71-127	20	06/16/2010 2158
1,2-Dichloroethane	50	50		1	99	19	67-129	20	06/16/2010 2158
1,1-Dichloroethene	50	49		1	98	17	69-138	20	06/16/2010 2158
cis-1,2-Dichloroethene	50	50		1	100	19	70-122	20	06/16/2010 2158
trans-1,2-Dichloroethene	50	50		1	99	17	68-131	20	06/16/2010 2158
1,2-Dichloropropane	50	49		1	99	18	72-124	20	06/16/2010 2158
cis-1,3-Dichloropropene	50	49	+	1	98	22	70-126	20	06/16/2010 2158
trans-1,3-Dichloropropene	50	47	+	1	93	24	70-124	20	06/16/2010 2158
Ethylbenzene	50	52	+	1	104	21	59-128	20	06/16/2010 2158
2-Hexanone	100	84	+	1	84	33	54-137	20	06/16/2010 2158
Isopropylbenzene	50	51		1	101	20	50-136	20	06/16/2010 2158
Methyl acetate	50	50		1	100	18	59-137	20	06/16/2010 2158
Methyl tertiary butyl ether (MTBE)	50	49		1	98	18	72-122	20	06/16/2010 2158
4-Methyl-2-pentanone	100	88	+	1	88	25	60-134	20	06/16/2010 2158
Methylcyclohexane	50	53		1	106	18	41-144	20	06/16/2010 2158
Methylene chloride	50	48		1	96	17	77-129	20	06/16/2010 2158
Styrene	50	52		1	105	20	54-136	20	06/16/2010 2158
1,1,2,2-Tetrachloroethane	50	46	+	1	92	23	69-132	20	06/16/2010 2158
Tetrachloroethene	50	51	+	1	101	22	70-130	20	06/16/2010 2158
Toluene	50	49		1	99	19	61-129	20	06/16/2010 2158
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	60		1	120	18	49-136	20	06/16/2010 2158
1,2,4-Trichlorobenzene	50	56	+	1	112	22	34-145	20	06/16/2010 2158
1,1,2-Trichloroethane	50	43	+	1	86	22	55-128	20	06/16/2010 2158
1,1,1-Trichloroethane	50	51		1	102	16	63-128	20	06/16/2010 2158

PQL = Practical quantitation limit

P = The RPD between 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: LQ32956-003

Matrix: Solid

Batch: 32956

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	49		1	99	19	62-126	20	06/16/2010 2158
Trichlorofluoromethane	50	51		1	101	17	45-138	20	06/16/2010 2158
Vinyl chloride	50	51		1	101	13	42-132	20	06/16/2010 2158
Xylenes (total)	100	100		1	105	19	58-128	20	06/16/2010 2158
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		113	47-138						
1,2-Dichloroethane-d4		97	53-142						
Toluene-d8		109	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: LQ35766-001

Matrix: Solid

Batch: 35766

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	06/15/2010 0219
Benzene	ND		1	5.0	1.1	ug/kg	06/15/2010 0219
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	06/15/2010 0219
Bromoform	ND		1	5.0	0.70	ug/kg	06/15/2010 0219
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	06/15/2010 0219
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	06/15/2010 0219
Carbon disulfide	ND		1	5.0	1.3	ug/kg	06/15/2010 0219
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	06/15/2010 0219
Chlorobenzene	ND		1	5.0	1.7	ug/kg	06/15/2010 0219
Chloroethane	ND		1	5.0	1.3	ug/kg	06/15/2010 0219
Chloroform	ND		1	5.0	0.83	ug/kg	06/15/2010 0219
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	06/15/2010 0219
Cyclohexane	ND		1	5.0	0.67	ug/kg	06/15/2010 0219
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	06/15/2010 0219
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	06/15/2010 0219
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	06/15/2010 0219
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	06/15/2010 0219
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	06/15/2010 0219
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	06/15/2010 0219
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	06/15/2010 0219
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	06/15/2010 0219
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	06/15/2010 0219
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	06/15/2010 0219
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	06/15/2010 0219
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	06/15/2010 0219
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	06/15/2010 0219
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	06/15/2010 0219
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	06/15/2010 0219
Ethylbenzene	ND		1	5.0	1.7	ug/kg	06/15/2010 0219
2-Hexanone	ND		1	10	1.3	ug/kg	06/15/2010 0219
Isopropylbenzene	ND		1	5.0	0.80	ug/kg	06/15/2010 0219
Methyl acetate	ND		1	5.0	0.67	ug/kg	06/15/2010 0219
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	06/15/2010 0219
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	06/15/2010 0219
Methylcyclohexane	ND		1	5.0	0.61	ug/kg	06/15/2010 0219
Methylene chloride	ND		1	5.0	2.6	ug/kg	06/15/2010 0219
Styrene	ND		1	5.0	1.1	ug/kg	06/15/2010 0219
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	06/15/2010 0219
Tetrachloroethene	ND		1	5.0	2.3	ug/kg	06/15/2010 0219
Toluene	ND		1	5.0	1.7	ug/kg	06/15/2010 0219
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	2.1	ug/kg	06/15/2010 0219
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	06/15/2010 0219
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	06/15/2010 0219
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	06/15/2010 0219

PQL = Practical quantitation limit

P = The RPD between 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: LQ35766-001

Matrix: Solid

Batch: 35766

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	06/15/2010 0219
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	06/15/2010 0219
Vinyl chloride	ND		1	5.0	0.86	ug/kg	06/15/2010 0219
Xylenes (total)	ND		1	5.0	2.9	ug/kg	06/15/2010 0219
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		112	47-138				
1,2-Dichloroethane-d4		100	53-142				
Toluene-d8		111	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: LQ35766-002

Matrix: Solid

Batch: 35766

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	100		1	100	42-149	06/15/2010 0046
Benzene	50	47		1	94	69-123	06/15/2010 0046
Bromodichloromethane	50	47		1	95	69-121	06/15/2010 0046
Bromoform	50	48		1	95	61-119	06/15/2010 0046
Bromomethane (Methyl bromide)	50	41		1	82	35-144	06/15/2010 0046
2-Butanone (MEK)	100	99		1	99	57-148	06/15/2010 0046
Carbon disulfide	50	53		1	106	58-122	06/15/2010 0046
Carbon tetrachloride	50	49		1	99	58-136	06/15/2010 0046
Chlorobenzene	50	48		1	96	59-129	06/15/2010 0046
Chloroethane	50	50		1	100	50-132	06/15/2010 0046
Chloroform	50	46		1	93	71-125	06/15/2010 0046
Chloromethane (Methyl chloride)	50	37		1	75	34-134	06/15/2010 0046
Cyclohexane	50	51		1	103	53-139	06/15/2010 0046
1,2-Dibromo-3-chloropropane (DBCP)	50	49		1	98	55-125	06/15/2010 0046
Dibromochloromethane	50	48		1	96	66-119	06/15/2010 0046
1,2-Dibromoethane (EDB)	50	51		1	102	74-124	06/15/2010 0046
1,4-Dichlorobenzene	50	50		1	100	52-133	06/15/2010 0046
1,3-Dichlorobenzene	50	50		1	100	51-134	06/15/2010 0046
1,2-Dichlorobenzene	50	49		1	98	57-131	06/15/2010 0046
Dichlorodifluoromethane	50	53		1	106	10-157	06/15/2010 0046
1,2-Dichloroethane	50	46		1	92	67-129	06/15/2010 0046
1,1-Dichloroethane	50	47		1	94	71-127	06/15/2010 0046
trans-1,2-Dichloroethene	50	48		1	96	68-131	06/15/2010 0046
cis-1,2-Dichloroethene	50	48		1	96	70-122	06/15/2010 0046
1,1-Dichloroethene	50	48		1	96	69-138	06/15/2010 0046
1,2-Dichloropropane	50	46		1	92	72-124	06/15/2010 0046
trans-1,3-Dichloropropene	50	51		1	102	70-124	06/15/2010 0046
cis-1,3-Dichloropropene	50	51		1	103	70-126	06/15/2010 0046
Ethylbenzene	50	50		1	100	59-128	06/15/2010 0046
2-Hexanone	100	110		1	106	54-137	06/15/2010 0046
Isopropylbenzene	50	52		1	104	50-136	06/15/2010 0046
Methyl acetate	50	49		1	97	59-137	06/15/2010 0046
Methyl tertiary butyl ether (MTBE)	50	50		1	100	72-122	06/15/2010 0046
4-Methyl-2-pentanone	100	100		1	105	60-134	06/15/2010 0046
Methylcyclohexane	50	55		1	111	41-144	06/15/2010 0046
Methylene chloride	50	47		1	94	77-129	06/15/2010 0046
Styrene	50	50		1	100	54-136	06/15/2010 0046
1,1,2,2-Tetrachloroethane	50	50		1	100	69-132	06/15/2010 0046
Tetrachloroethene	50	50		1	99	70-130	06/15/2010 0046
Toluene	50	48		1	96	61-129	06/15/2010 0046
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	57		1	113	49-136	06/15/2010 0046
1,2,4-Trichlorobenzene	50	56		1	112	34-145	06/15/2010 0046
1,1,2-Trichloroethane	50	47		1	94	55-128	06/15/2010 0046
1,1,1-Trichloroethane	50	48		1	97	63-128	06/15/2010 0046

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LQ35766-002

Matrix: Solid

Batch: 35766

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	50		1	99	62-126	06/15/2010 0046
Trichlorofluoromethane	50	51		1	101	45-138	06/15/2010 0046
Vinyl chloride	50	38		1	77	42-132	06/15/2010 0046
Xylenes (total)	100	100		1	101	58-128	06/15/2010 0046
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		117	47-138				
1,2-Dichloroethane-d4		98	53-142				
Toluene-d8		111	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: LQ35766-003

Matrix: Solid

Batch: 35766

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	120		1	120	18	42-149	20	06/15/2010 0109
Benzene	50	57		1	114	19	69-123	20	06/15/2010 0109
Bromodichloromethane	50	57		1	115	19	69-121	20	06/15/2010 0109
Bromoform	50	55		1	109	14	61-119	20	06/15/2010 0109
Bromomethane (Methyl bromide)	50	43		1	86	4.3	35-144	20	06/15/2010 0109
2-Butanone (MEK)	100	120		1	120	20	57-148	20	06/15/2010 0109
Carbon disulfide	50	64	N	1	129	19	58-122	20	06/15/2010 0109
Carbon tetrachloride	50	61	+	1	121	21	58-136	20	06/15/2010 0109
Chlorobenzene	50	57		1	114	17	59-129	20	06/15/2010 0109
Chloroethane	50	59		1	117	16	50-132	20	06/15/2010 0109
Chloroform	50	55		1	110	17	71-125	20	06/15/2010 0109
Chloromethane (Methyl chloride)	50	43		1	87	15	34-134	20	06/15/2010 0109
Cyclohexane	50	63	+	1	126	21	53-139	20	06/15/2010 0109
1,2-Dibromo-3-chloropropane (DBCP)	50	62	+	1	124	24	55-125	20	06/15/2010 0109
Dibromochloromethane	50	57		1	114	17	66-119	20	06/15/2010 0109
1,2-Dibromoethane (EDB)	50	58		1	116	14	74-124	20	06/15/2010 0109
1,4-Dichlorobenzene	50	60		1	119	17	52-133	20	06/15/2010 0109
1,3-Dichlorobenzene	50	60		1	119	18	51-134	20	06/15/2010 0109
1,2-Dichlorobenzene	50	59		1	117	18	57-131	20	06/15/2010 0109
Dichlorodifluoromethane	50	60		1	121	13	10-157	20	06/15/2010 0109
1,2-Dichloroethane	50	53		1	105	14	67-129	20	06/15/2010 0109
1,1-Dichloroethane	50	57		1	114	20	71-127	20	06/15/2010 0109
trans-1,2-Dichloroethene	50	59		1	117	19	68-131	20	06/15/2010 0109
cis-1,2-Dichloroethene	50	56		1	113	16	70-122	20	06/15/2010 0109
1,1-Dichloroethene	50	58		1	117	19	69-138	20	06/15/2010 0109
1,2-Dichloropropane	50	55		1	111	18	72-124	20	06/15/2010 0109
trans-1,3-Dichloropropene	50	60		1	119	15	70-124	20	06/15/2010 0109
cis-1,3-Dichloropropene	50	61		1	122	17	70-126	20	06/15/2010 0109
Ethylbenzene	50	61		1	121	19	59-128	20	06/15/2010 0109
2-Hexanone	100	130		1	129	19	54-137	20	06/15/2010 0109
Isopropylbenzene	50	64	+	1	128	21	50-136	20	06/15/2010 0109
Methyl acetate	50	59		1	118	19	59-137	20	06/15/2010 0109
Methyl tertiary butyl ether (MTBE)	50	58		1	115	15	72-122	20	06/15/2010 0109
4-Methyl-2-pentanone	100	130	+	1	129	21	60-134	20	06/15/2010 0109
Methylcyclohexane	50	69	+	1	138	22	41-144	20	06/15/2010 0109
Methylene chloride	50	55		1	110	15	77-129	20	06/15/2010 0109
Styrene	50	58		1	117	16	54-136	20	06/15/2010 0109
1,1,2,2-Tetrachloroethane	50	60		1	119	18	69-132	20	06/15/2010 0109
Tetrachloroethene	50	61		1	121	20	70-130	20	06/15/2010 0109
Toluene	50	59		1	117	19	61-129	20	06/15/2010 0109
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	69	N	1	137	19	49-136	20	06/15/2010 0109
1,2,4-Trichlorobenzene	50	65		1	131	16	34-145	20	06/15/2010 0109
1,1,2-Trichloroethane	50	55		1	110	16	55-128	20	06/15/2010 0109
1,1,1-Trichloroethane	50	59		1	118	20	63-128	20	06/15/2010 0109

PQL = Practical quantitation limit

P = The RPD between 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: LQ35766-003

Matrix: Solid

Batch: 35766

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	61	+	1	123	21	62-126	20	06/15/2010 0109
Trichlorofluoromethane	50	61		1	122	19	45-138	20	06/15/2010 0109
Vinyl chloride	50	46		1	91	17	42-132	20	06/15/2010 0109
Xylenes (total)	100	120		1	121	18	58-128	20	06/15/2010 0109
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		116	47-138						
1,2-Dichloroethane-d4		98	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 - MB

Sample ID: LQ35838-001

Matrix: Aqueous

Batch: 35838

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	10	0.061	ug/L	06/16/2010 0016
Benzene	ND		1	0.50	0.027	ug/L	06/16/2010 0016
Bromodichloromethane	ND		1	0.50	0.17	ug/L	06/16/2010 0016
Bromoform	ND		1	0.50	0.010	ug/L	06/16/2010 0016
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	06/16/2010 0016
2-Butanone (MEK)	ND		1	10	2.0	ug/L	06/16/2010 0016
Carbon disulfide	ND		1	0.50	0.097	ug/L	06/16/2010 0016
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	06/16/2010 0016
Chlorobenzene	ND		1	0.50	0.17	ug/L	06/16/2010 0016
Chloroethane	ND		1	0.50	0.17	ug/L	06/16/2010 0016
Chloroform	ND		1	0.50	0.17	ug/L	06/16/2010 0016
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	06/16/2010 0016
Cyclohexane	ND		1	0.50	0.30	ug/L	06/16/2010 0016
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	06/16/2010 0016
Dibromochloromethane	ND		1	0.50	0.17	ug/L	06/16/2010 0016
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	06/16/2010 0016
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	06/16/2010 0016
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	06/16/2010 0016
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	06/16/2010 0016
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	06/16/2010 0016
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	06/16/2010 0016
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	06/16/2010 0016
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	06/16/2010 0016
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	06/16/2010 0016
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	06/16/2010 0016
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	06/16/2010 0016
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	06/16/2010 0016
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	06/16/2010 0016
Ethylbenzene	ND		1	0.50	0.17	ug/L	06/16/2010 0016
2-Hexanone	ND		1	10	0.27	ug/L	06/16/2010 0016
Isopropylbenzene	ND		1	0.50	0.029	ug/L	06/16/2010 0016
Methyl acetate	ND		1	1.0	0.30	ug/L	06/16/2010 0016
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	06/16/2010 0016
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	06/16/2010 0016
Methylcyclohexane	ND		1	5.0	0.95	ug/L	06/16/2010 0016
Methylene chloride	ND		1	0.50	0.17	ug/L	06/16/2010 0016
Styrene	ND		1	0.50	0.015	ug/L	06/16/2010 0016
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	06/16/2010 0016
Tetrachloroethene	ND		1	0.50	0.014	ug/L	06/16/2010 0016
Toluene	ND		1	0.50	0.17	ug/L	06/16/2010 0016
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	06/16/2010 0016
1,2,4-Trichlorobenzene	0.17	J	1	0.50	0.17	ug/L	06/16/2010 0016
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	06/16/2010 0016
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	06/16/2010 0016

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LQ35838-001

Matrix: Aqueous

Batch: 35838

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.024	ug/L	06/16/2010 0016
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	06/16/2010 0016
Vinyl chloride	ND		1	0.50	0.065	ug/L	06/16/2010 0016
Xylenes (total)	ND		1	0.50	0.17	ug/L	06/16/2010 0016
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		96	70-130				
1,2-Dichloroethane-d4		95	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: LQ35838-002

Matrix: Aqueous

Batch: 35838

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	40	57		1	142	46-153	06/15/2010 2247
Benzene	20	20		1	99	70-130	06/15/2010 2247
Bromodichloromethane	20	19		1	97	70-130	06/15/2010 2247
Bromoform	20	19		1	97	70-130	06/15/2010 2247
Bromomethane (Methyl bromide)	20	21		1	104	60-140	06/15/2010 2247
2-Butanone (MEK)	40	44		1	110	60-140	06/15/2010 2247
Carbon disulfide	20	20		1	102	60-140	06/15/2010 2247
Carbon tetrachloride	20	20		1	100	70-130	06/15/2010 2247
Chlorobenzene	20	20		1	100	70-130	06/15/2010 2247
Chloroethane	20	21		1	103	42-163	06/15/2010 2247
Chloroform	20	19		1	96	70-130	06/15/2010 2247
Chloromethane (Methyl chloride)	20	22		1	112	20-158	06/15/2010 2247
Cyclohexane	20	24		1	118	70-130	06/15/2010 2247
1,2-Dibromo-3-chloropropane (DBCP)	20	21		1	106	70-130	06/15/2010 2247
Dibromochloromethane	20	20		1	99	70-130	06/15/2010 2247
1,2-Dibromoethane (EDB)	20	20		1	100	70-130	06/15/2010 2247
1,4-Dichlorobenzene	20	21		1	103	70-130	06/15/2010 2247
1,2-Dichlorobenzene	20	21		1	103	70-130	06/15/2010 2247
1,3-Dichlorobenzene	20	21		1	103	70-130	06/15/2010 2247
Dichlorodifluoromethane	20	21		1	107	60-140	06/15/2010 2247
1,2-Dichloroethane	20	20		1	98	70-130	06/15/2010 2247
1,1-Dichloroethane	20	20		1	98	70-130	06/15/2010 2247
cis-1,2-Dichloroethene	20	19		1	96	70-130	06/15/2010 2247
1,1-Dichloroethene	20	22		1	108	70-130	06/15/2010 2247
trans-1,2-Dichloroethene	20	20		1	98	70-130	06/15/2010 2247
1,2-Dichloropropane	20	20		1	98	70-130	06/15/2010 2247
cis-1,3-Dichloropropene	20	21		1	103	70-130	06/15/2010 2247
trans-1,3-Dichloropropene	20	20		1	102	70-130	06/15/2010 2247
Ethylbenzene	20	20		1	100	70-130	06/15/2010 2247
2-Hexanone	40	42		1	104	60-140	06/15/2010 2247
Isopropylbenzene	20	21		1	104	70-130	06/15/2010 2247
Methyl acetate	20	26	N	1	131	15-128	06/15/2010 2247
Methyl tertiary butyl ether (MTBE)	20	21		1	103	70-130	06/15/2010 2247
4-Methyl-2-pentanone	40	41		1	103	60-140	06/15/2010 2247
Methylcyclohexane	20	22		1	111	70-130	06/15/2010 2247
Methylene chloride	20	20		1	102	70-130	06/15/2010 2247
Styrene	20	21		1	103	70-130	06/15/2010 2247
1,1,2,2-Tetrachloroethane	20	20		1	101	70-130	06/15/2010 2247
Tetrachloroethene	20	21		1	104	70-130	06/15/2010 2247
Toluene	20	20		1	100	70-130	06/15/2010 2247
1,1,2-Trichloro-1,2,2-Trifluoroethane	20	25		1	126	70-130	06/15/2010 2247
1,2,4-Trichlorobenzene	20	23		1	113	70-130	06/15/2010 2247
1,1,2-Trichloroethane	20	19		1	97	70-130	06/15/2010 2247
1,1,1-Trichloroethane	20	20		1	99	70-130	06/15/2010 2247

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LQ35838-002

Matrix: Aqueous

Batch: 35838

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	20	20		1	101	70-130	06/15/2010 2247
Trichlorofluoromethane	20	21		1	105	60-140	06/15/2010 2247
Vinyl chloride	20	22		1	108	60-140	06/15/2010 2247
Xylenes (total)	40	40		1	100	70-130	06/15/2010 2247
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		94	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 - LCSD

Sample ID: LQ35838-003

Matrix: Aqueous

Batch: 35838

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	40	49		1	122	15	46-153	20	06/15/2010 2309
Benzene	20	20		1	100	1.4	70-130	20	06/15/2010 2309
Bromodichloromethane	20	20		1	98	1.4	70-130	20	06/15/2010 2309
Bromoform	20	19		1	93	4.7	70-130	20	06/15/2010 2309
Bromomethane (Methyl bromide)	20	20		1	99	4.7	60-140	20	06/15/2010 2309
2-Butanone (MEK)	40	43		1	107	2.8	60-140	20	06/15/2010 2309
Carbon disulfide	20	22		1	111	8.7	60-140	20	06/15/2010 2309
Carbon tetrachloride	20	20		1	101	0.93	70-130	20	06/15/2010 2309
Chlorobenzene	20	20		1	102	1.8	70-130	20	06/15/2010 2309
Chloroethane	20	21		1	105	1.9	42-163	20	06/15/2010 2309
Chloroform	20	19		1	97	1.4	70-130	20	06/15/2010 2309
Chloromethane (Methyl chloride)	20	22		1	112	0.37	20-158	20	06/15/2010 2309
Cyclohexane	20	24		1	121	2.5	70-130	20	06/15/2010 2309
1,2-Dibromo-3-chloropropane (DBCP)	20	21		1	103	2.9	70-130	20	06/15/2010 2309
Dibromochloromethane	20	20		1	98	1.6	70-130	20	06/15/2010 2309
1,2-Dibromoethane (EDB)	20	20		1	102	2.4	70-130	20	06/15/2010 2309
1,4-Dichlorobenzene	20	21		1	103	0.15	70-130	20	06/15/2010 2309
1,2-Dichlorobenzene	20	20		1	102	1.2	70-130	20	06/15/2010 2309
1,3-Dichlorobenzene	20	21		1	103	0.46	70-130	20	06/15/2010 2309
Dichlorodifluoromethane	20	22		1	108	1.3	60-140	20	06/15/2010 2309
1,2-Dichloroethane	20	19		1	97	1.1	70-130	20	06/15/2010 2309
1,1-Dichloroethane	20	20		1	101	3.3	70-130	20	06/15/2010 2309
cis-1,2-Dichloroethene	20	19		1	95	0.92	70-130	20	06/15/2010 2309
1,1-Dichloroethene	20	22		1	110	2.4	70-130	20	06/15/2010 2309
trans-1,2-Dichloroethene	20	20		1	100	2.3	70-130	20	06/15/2010 2309
1,2-Dichloropropane	20	20		1	100	2.6	70-130	20	06/15/2010 2309
cis-1,3-Dichloropropene	20	20		1	102	0.82	70-130	20	06/15/2010 2309
trans-1,3-Dichloropropene	20	20		1	102	0.15	70-130	20	06/15/2010 2309
Ethylbenzene	20	20		1	101	1.7	70-130	20	06/15/2010 2309
2-Hexanone	40	42		1	105	0.94	60-140	20	06/15/2010 2309
Isopropylbenzene	20	21		1	105	1.6	70-130	20	06/15/2010 2309
Methyl acetate	20	24		1	120	8.3	15-128	20	06/15/2010 2309
Methyl tertiary butyl ether (MTBE)	20	20		1	99	3.1	70-130	20	06/15/2010 2309
4-Methyl-2-pentanone	40	42		1	105	1.6	60-140	20	06/15/2010 2309
Methylcyclohexane	20	22		1	112	1.6	70-130	20	06/15/2010 2309
Methylene chloride	20	21		1	104	2.8	70-130	20	06/15/2010 2309
Styrene	20	21		1	104	1.7	70-130	20	06/15/2010 2309
1,1,2,2-Tetrachloroethane	20	20		1	101	0.13	70-130	20	06/15/2010 2309
Tetrachloroethene	20	21		1	105	1.7	70-130	20	06/15/2010 2309
Toluene	20	20		1	102	2.3	70-130	20	06/15/2010 2309
1,1,2-Trichloro-1,2,2-Trifluoroethane	20	26		1	130	3.1	70-130	20	06/15/2010 2309
1,2,4-Trichlorobenzene	20	22		1	108	4.2	70-130	20	06/15/2010 2309
1,1,2-Trichloroethane	20	20		1	99	1.7	70-130	20	06/15/2010 2309
1,1,1-Trichloroethane	20	20		1	102	2.8	70-130	20	06/15/2010 2309

PQL = Practical quantitation limit

P = The RPD between 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: LQ35838-003

Matrix: Aqueous

Batch: 35838

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	20	20		1	102	1.1	70-130	20	06/15/2010 2309
Trichlorofluoromethane	20	21		1	106	1.5	60-140	20	06/15/2010 2309
Vinyl chloride	20	22		1	109	1.2	60-140	20	06/15/2010 2309
Xylenes (total)	40	41		1	103	2.8	70-130	20	06/15/2010 2309
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		95	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: LQ35990-001

Matrix: Solid

Batch: 35990

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	06/15/2010 0219
Benzene	ND		1	5.0	1.1	ug/kg	06/15/2010 0219
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	06/15/2010 0219
Bromoform	ND		1	5.0	0.70	ug/kg	06/15/2010 0219
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	06/15/2010 0219
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	06/15/2010 0219
Carbon disulfide	ND		1	5.0	1.3	ug/kg	06/15/2010 0219
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	06/15/2010 0219
Chlorobenzene	ND		1	5.0	1.7	ug/kg	06/15/2010 0219
Chloroethane	ND		1	5.0	1.3	ug/kg	06/15/2010 0219
Chloroform	ND		1	5.0	0.83	ug/kg	06/15/2010 0219
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	06/15/2010 0219
Cyclohexane	ND		1	5.0	0.67	ug/kg	06/15/2010 0219
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	06/15/2010 0219
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	06/15/2010 0219
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	06/15/2010 0219
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	06/15/2010 0219
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	06/15/2010 0219
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	06/15/2010 0219
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	06/15/2010 0219
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	06/15/2010 0219
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	06/15/2010 0219
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	06/15/2010 0219
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	06/15/2010 0219
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	06/15/2010 0219
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	06/15/2010 0219
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	06/15/2010 0219
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	06/15/2010 0219
Ethylbenzene	ND		1	5.0	1.7	ug/kg	06/15/2010 0219
2-Hexanone	ND		1	10	1.3	ug/kg	06/15/2010 0219
Isopropylbenzene	ND		1	5.0	0.80	ug/kg	06/15/2010 0219
Methyl acetate	ND		1	5.0	0.67	ug/kg	06/15/2010 0219
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	06/15/2010 0219
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	06/15/2010 0219
Methylcyclohexane	ND		1	5.0	0.61	ug/kg	06/15/2010 0219
Methylene chloride	ND		1	5.0	2.6	ug/kg	06/15/2010 0219
Styrene	ND		1	5.0	1.1	ug/kg	06/15/2010 0219
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	06/15/2010 0219
Tetrachloroethene	ND		1	5.0	2.3	ug/kg	06/15/2010 0219
Toluene	ND		1	5.0	1.7	ug/kg	06/15/2010 0219
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	2.1	ug/kg	06/15/2010 0219
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	06/15/2010 0219
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	06/15/2010 0219
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	06/15/2010 0219

PQL = Practical quantitation limit

P = The RPD between 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: LQ35990-001

Matrix: Solid

Batch: 35990

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	06/15/2010 0219
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	06/15/2010 0219
Vinyl chloride	ND		1	5.0	0.86	ug/kg	06/15/2010 0219
Xylenes (total)	ND		1	5.0	2.9	ug/kg	06/15/2010 0219
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		112	47-138				
1,2-Dichloroethane-d4		100	53-142				
Toluene-d8		111	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: LQ35990-002

Matrix: Solid

Batch: 35990

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	100		1	100	42-149	06/15/2010 0046
Benzene	50	47		1	94	69-123	06/15/2010 0046
Bromodichloromethane	50	47		1	95	69-121	06/15/2010 0046
Bromoform	50	48		1	95	61-119	06/15/2010 0046
Bromomethane (Methyl bromide)	50	41		1	82	35-144	06/15/2010 0046
2-Butanone (MEK)	100	99		1	99	57-148	06/15/2010 0046
Carbon disulfide	50	53		1	106	58-122	06/15/2010 0046
Carbon tetrachloride	50	49		1	99	58-136	06/15/2010 0046
Chlorobenzene	50	48		1	96	59-129	06/15/2010 0046
Chloroethane	50	50		1	100	50-132	06/15/2010 0046
Chloroform	50	46		1	93	71-125	06/15/2010 0046
Chloromethane (Methyl chloride)	50	37		1	75	34-134	06/15/2010 0046
Cyclohexane	50	51		1	103	53-139	06/15/2010 0046
1,2-Dibromo-3-chloropropane (DBCP)	50	49		1	98	55-125	06/15/2010 0046
Dibromochloromethane	50	48		1	96	66-119	06/15/2010 0046
1,2-Dibromoethane (EDB)	50	51		1	102	74-124	06/15/2010 0046
1,4-Dichlorobenzene	50	50		1	100	52-133	06/15/2010 0046
1,3-Dichlorobenzene	50	50		1	100	51-134	06/15/2010 0046
1,2-Dichlorobenzene	50	49		1	98	57-131	06/15/2010 0046
Dichlorodifluoromethane	50	53		1	106	10-157	06/15/2010 0046
1,2-Dichloroethane	50	46		1	92	67-129	06/15/2010 0046
1,1-Dichloroethane	50	47		1	94	71-127	06/15/2010 0046
trans-1,2-Dichloroethene	50	48		1	96	68-131	06/15/2010 0046
cis-1,2-Dichloroethene	50	48		1	96	70-122	06/15/2010 0046
1,1-Dichloroethene	50	48		1	96	69-138	06/15/2010 0046
1,2-Dichloropropane	50	46		1	92	72-124	06/15/2010 0046
trans-1,3-Dichloropropene	50	51		1	102	70-124	06/15/2010 0046
cis-1,3-Dichloropropene	50	51		1	103	70-126	06/15/2010 0046
Ethylbenzene	50	50		1	100	59-128	06/15/2010 0046
2-Hexanone	100	110		1	106	54-137	06/15/2010 0046
Isopropylbenzene	50	52		1	104	50-136	06/15/2010 0046
Methyl acetate	50	49		1	97	59-137	06/15/2010 0046
Methyl tertiary butyl ether (MTBE)	50	50		1	100	72-122	06/15/2010 0046
4-Methyl-2-pentanone	100	100		1	105	60-134	06/15/2010 0046
Methylcyclohexane	50	55		1	111	41-144	06/15/2010 0046
Methylene chloride	50	47		1	94	77-129	06/15/2010 0046
Styrene	50	50		1	100	54-136	06/15/2010 0046
1,1,2,2-Tetrachloroethane	50	50		1	100	69-132	06/15/2010 0046
Tetrachloroethene	50	50		1	99	70-130	06/15/2010 0046
Toluene	50	48		1	96	61-129	06/15/2010 0046
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	57		1	113	49-136	06/15/2010 0046
1,2,4-Trichlorobenzene	50	56		1	112	34-145	06/15/2010 0046
1,1,2-Trichloroethane	50	47		1	94	55-128	06/15/2010 0046
1,1,1-Trichloroethane	50	48		1	97	63-128	06/15/2010 0046

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LQ35990-002

Matrix: Solid

Batch: 35990

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	50		1	99	62-126	06/15/2010 0046
Trichlorofluoromethane	50	51		1	101	45-138	06/15/2010 0046
Vinyl chloride	50	38		1	77	42-132	06/15/2010 0046
Xylenes (total)	100	100		1	101	58-128	06/15/2010 0046
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		117	47-138				
1,2-Dichloroethane-d4		98	53-142				
Toluene-d8		111	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: LQ35990-003

Matrix: Solid

Batch: 35990

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	120		1	120	18	42-149	20	06/15/2010 0109
Benzene	50	57		1	114	19	69-123	20	06/15/2010 0109
Bromodichloromethane	50	57		1	115	19	69-121	20	06/15/2010 0109
Bromoform	50	55		1	109	14	61-119	20	06/15/2010 0109
Bromomethane (Methyl bromide)	50	43		1	86	4.3	35-144	20	06/15/2010 0109
2-Butanone (MEK)	100	120		1	120	20	57-148	20	06/15/2010 0109
Carbon disulfide	50	64	N	1	129	19	58-122	20	06/15/2010 0109
Carbon tetrachloride	50	61	+	1	121	21	58-136	20	06/15/2010 0109
Chlorobenzene	50	57		1	114	17	59-129	20	06/15/2010 0109
Chloroethane	50	59		1	117	16	50-132	20	06/15/2010 0109
Chloroform	50	55		1	110	17	71-125	20	06/15/2010 0109
Chloromethane (Methyl chloride)	50	43		1	87	15	34-134	20	06/15/2010 0109
Cyclohexane	50	63	+	1	126	21	53-139	20	06/15/2010 0109
1,2-Dibromo-3-chloropropane (DBCP)	50	62	+	1	124	24	55-125	20	06/15/2010 0109
Dibromochloromethane	50	57		1	114	17	66-119	20	06/15/2010 0109
1,2-Dibromoethane (EDB)	50	58		1	116	14	74-124	20	06/15/2010 0109
1,4-Dichlorobenzene	50	60		1	119	17	52-133	20	06/15/2010 0109
1,3-Dichlorobenzene	50	60		1	119	18	51-134	20	06/15/2010 0109
1,2-Dichlorobenzene	50	59		1	117	18	57-131	20	06/15/2010 0109
Dichlorodifluoromethane	50	60		1	121	13	10-157	20	06/15/2010 0109
1,2-Dichloroethane	50	53		1	105	14	67-129	20	06/15/2010 0109
1,1-Dichloroethane	50	57		1	114	20	71-127	20	06/15/2010 0109
trans-1,2-Dichloroethene	50	59		1	117	19	68-131	20	06/15/2010 0109
cis-1,2-Dichloroethene	50	56		1	113	16	70-122	20	06/15/2010 0109
1,1-Dichloroethene	50	58		1	117	19	69-138	20	06/15/2010 0109
1,2-Dichloropropane	50	55		1	111	18	72-124	20	06/15/2010 0109
trans-1,3-Dichloropropene	50	60		1	119	15	70-124	20	06/15/2010 0109
cis-1,3-Dichloropropene	50	61		1	122	17	70-126	20	06/15/2010 0109
Ethylbenzene	50	61		1	121	19	59-128	20	06/15/2010 0109
2-Hexanone	100	130		1	129	19	54-137	20	06/15/2010 0109
Isopropylbenzene	50	64	+	1	128	21	50-136	20	06/15/2010 0109
Methyl acetate	50	59		1	118	19	59-137	20	06/15/2010 0109
Methyl tertiary butyl ether (MTBE)	50	58		1	115	15	72-122	20	06/15/2010 0109
4-Methyl-2-pentanone	100	130	+	1	129	21	60-134	20	06/15/2010 0109
Methylcyclohexane	50	69	+	1	138	22	41-144	20	06/15/2010 0109
Methylene chloride	50	55		1	110	15	77-129	20	06/15/2010 0109
Styrene	50	58		1	117	16	54-136	20	06/15/2010 0109
1,1,2,2-Tetrachloroethane	50	60		1	119	18	69-132	20	06/15/2010 0109
Tetrachloroethene	50	61		1	121	20	70-130	20	06/15/2010 0109
Toluene	50	59		1	117	19	61-129	20	06/15/2010 0109
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	69	N	1	137	19	49-136	20	06/15/2010 0109
1,2,4-Trichlorobenzene	50	65		1	131	16	34-145	20	06/15/2010 0109
1,1,2-Trichloroethane	50	55		1	110	16	55-128	20	06/15/2010 0109
1,1,1-Trichloroethane	50	59		1	118	20	63-128	20	06/15/2010 0109

PQL = Practical quantitation limit

P = The RPD between 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: LQ35990-003

Matrix: Solid

Batch: 35990

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	61	+	1	123	21	62-126	20	06/15/2010 0109
Trichlorofluoromethane	50	61		1	122	19	45-138	20	06/15/2010 0109
Vinyl chloride	50	46		1	91	17	42-132	20	06/15/2010 0109
Xylenes (total)	100	120		1	121	18	58-128	20	06/15/2010 0109
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		116	47-138						
1,2-Dichloroethane-d4		98	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



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 104929

Client Arcadis	Report to Contact Scott Bastian	Telephone No. / Fax No. / Email 919-854-1282 / Scott.Bastian@arcadis-us.com	Quote No. 11954
Address 2849 Paces Ferry Rd. #400	Sampler's Signature <i>[Signature]</i>	Waybill No.	Page 1 of 1
City Atlanta	Printed Name Josh Frazee	Analysis (Attach list if more space is needed.)	
State GA			
Zip Code 30339			
Project Name HAA-17			

Project No. GP08HAFS-HNB-DG-PFI	Sample ID / Description (Containers for each sample may be contained on one line.)	F.O. No.	Date		Time	Matrix		No. of Containers by Preservation Type						Lot No. CP Reos	Remarks / Cooler I.D.	
			Day	Month		Agarose	Solid	Non-Aqueous	Urease	MSD	RMG	HC	HCN			SVS
	H17-SED-01 (061110)		6-11-10		1015	G	X									
	H17-SW-01 (061110)		6-11-10		1015	G	X									
	H17-SED-02 (061110)		6-11-10		0950	G	X									
	H17-SW-02 (061110)		6-11-10		0950	G	X									
	H17-SED-03 (061110)		6-11-10		0920	G	X									
	H17-SW-03 (061110)		6-11-10		0920	G	X									
	Trip Blank															

Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison	Sample Disposal ☐ Return to Client ☒ Disposal by Lab	Note: All samples are retained for six weeks from receipt unless other arrangements are made.	
Turn Around Time Required (Prior lab approval required for expedited TAT) ☐ Standard ☒ Rush (Specify) 1 Week TAT	QC Requirements (Specify)		
1. Retention by <i>[Signature]</i>	Date 6-11-10	Time 1500	
2. Received by <i>[Signature]</i>	Date	Time	
3. Relinquished by Red RA	Date 6/16/10	Time 1020	
Chain of Custody	Received on Ice (Circle) ☒ No ☐ Ice Pack	Recept Temp. 44	°C

DISTRIBUTION: WHITE & YELLOW Return to laboratory with Sample(s). PINK: Field Copy

Document Number: FAD-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: Academics Cooler Inspected by/date: mm/yy/10 Lot #: LA2005

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>4.8</u> °C <u>4.8</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) <u>-007 (2)</u> 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: _____

Report of Analysis

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

Project Name: HAA-17

Project Number: GP08HAFS.H17B.FG0F1

Lot Number: KL09046

Date Completed: 12/23/2009



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.

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SHEALY ENVIRONMENTAL SERVICES, INC.

SC DHEC No: 32010

NELAC No: E87653

NC DEHNR No: 329

Case Narrative ARCADIS U.S., Inc. Lot Number: KL09046

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.

Volatile Organic Compounds

The surrogate recovery for sample -004 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 LCS/LCSD recovery for Tetrachloroethene was slightly above method control limits in batch 24016. 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 RPD for Acetone and 2-Butanone (MEK) exceeded method control limits in batch 24016; however, all other QA/QC criteria for the LCS/LCSD were within acceptance criteria and method control limits. The associated sample results were reported and no corrective action was required.

The LCS recovery for Acetone, Carbon disulfide, Chloromethane (Methyl chloride) and Vinyl chloride were slightly above method control limits in batch 24175. The LCSD Chloromethane (Methyl chloride) was slightly above method control limits in this batch. 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 RPD for Acetone and Chloroethane exceeded method control limits in batch 24175; however, all other QA/QC criteria for the LCS/LCSD were within acceptance criteria and method control limits. The associated sample results were reported and no corrective action was required.

SHEALY ENVIRONMENTAL SERVICES, INC.

Sample Summary ARCADIS U.S., Inc. Lot Number: KL09046

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	H17-AF01 (120709)- (21-22)	Solid	12/07/2009 1435	12/09/2009
002	H17-AF01 (120709)- (31-32)	Solid	12/07/2009 1615	12/09/2009
003	H17-AF01 (120709)- (37-38)	Solid	12/07/2009 1620	12/09/2009
004	H17-AF62 (120809)- (21-22)	Solid	12/08/2009 0945	12/09/2009
005	H17-AF62 (120809)- (26-27)	Solid	12/08/2009 0950	12/09/2009
006	H17-AF62 (120809)- (36-37)	Solid	12/08/2009 0955	12/09/2009
007	H17-AF53 (120809)- (25-26)	Solid	12/08/2009 1145	12/09/2009
008	H17-AF53 (120809)- (35-36)	Solid	12/08/2009 1150	12/09/2009
009	H17-AF53 (120809)- (42-43)	Solid	12/08/2009 1155	12/09/2009
010	H17-AF15 (120809)- (21-22)	Solid	12/08/2009 1540	12/09/2009
011	H17-AF15 (120809)- (29-30)	Solid	12/08/2009 1545	12/09/2009
012	H17-AF15 (120809)- (37-38)	Solid	12/08/2009 1550	12/09/2009
013	H17-AF15 (120809)- (44-45)	Solid	12/08/2009 1555	12/09/2009

(13 samples)

SHEALY ENVIRONMENTAL SERVICES, INC.

Executive Summary

ARCADIS U.S., Inc.

Lot Number: KL09046

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	H17-AF01 (120709)- (21-	Solid	Trichloroethene	8260B	350		ug/kg	6
002	H17-AF01 (120709)- (31-	Solid	cis-1,2-Dichloroethene	8260B	22	J	ug/kg	7
002	H17-AF01 (120709)- (31-	Solid	Trichloroethene	8260B	470		ug/kg	8
005	H17-AF62 (120809)- (26-	Solid	cis-1,2-Dichloroethene	8260B	31	J	ug/kg	13
005	H17-AF62 (120809)- (26-	Solid	4-Methyl-2-pentanone	8260B	37	J	ug/kg	13
005	H17-AF62 (120809)- (26-	Solid	Toluene	8260B	36	J	ug/kg	13
005	H17-AF62 (120809)- (26-	Solid	Trichloroethene	8260B	200		ug/kg	14
006	H17-AF62 (120809)- (36-	Solid	Carbon disulfide	8260B	4.9	J	ug/kg	15
007	H17-AF53 (120809)- (25-	Solid	Acetone	8260B	36		ug/kg	17
007	H17-AF53 (120809)- (25-	Solid	Carbon disulfide	8260B	18		ug/kg	17
007	H17-AF53 (120809)- (25-	Solid	Trichloroethene	8260B	36		ug/kg	18
008	H17-AF53 (120809)- (35-	Solid	Carbon disulfide	8260B	12		ug/kg	19
008	H17-AF53 (120809)- (35-	Solid	Trichloroethene	8260B	8.8		ug/kg	20
009	H17-AF53 (120809)- (42-	Solid	Carbon disulfide	8260B	2.6	J	ug/kg	21
009	H17-AF53 (120809)- (42-	Solid	Trichloroethene	8260B	5.3		ug/kg	22
010	H17-AF15 (120809)- (21-	Solid	Acetone	8260B	200		ug/kg	23
010	H17-AF15 (120809)- (21-	Solid	Carbon disulfide	8260B	11		ug/kg	23
010	H17-AF15 (120809)- (21-	Solid	Methylene chloride	8260B	4.5	J	ug/kg	23
010	H17-AF15 (120809)- (21-	Solid	Trichloroethene	8260B	35		ug/kg	24
010	H17-AF15 (120809)- (21-	Solid	Xylenes (total)	8260B	4.7	J	ug/kg	24
011	H17-AF15 (120809)- (29-	Solid	Acetone	8260B	280		ug/kg	25
011	H17-AF15 (120809)- (29-	Solid	Carbon disulfide	8260B	30		ug/kg	25
011	H17-AF15 (120809)- (29-	Solid	cis-1,2-Dichloroethene	8260B	2.2	J	ug/kg	25
011	H17-AF15 (120809)- (29-	Solid	Ethylbenzene	8260B	6.4	J	ug/kg	25
011	H17-AF15 (120809)- (29-	Solid	Methylene chloride	8260B	7.0	J	ug/kg	25
011	H17-AF15 (120809)- (29-	Solid	Tetrachloroethene	8260B	7.5	J	ug/kg	25
011	H17-AF15 (120809)- (29-	Solid	Toluene	8260B	5.1	J	ug/kg	25
011	H17-AF15 (120809)- (29-	Solid	Trichloroethene	8260B	77		ug/kg	26
011	H17-AF15 (120809)- (29-	Solid	Xylenes (total)	8260B	41		ug/kg	26
012	H17-AF15 (120809)- (37-	Solid	Acetone	8260B	130		ug/kg	27
012	H17-AF15 (120809)- (37-	Solid	Carbon disulfide	8260B	1.5	J	ug/kg	27
013	H17-AF15 (120809)- (44-	Solid	Acetone	8260B	180		ug/kg	29
013	H17-AF15 (120809)- (44-	Solid	Carbon disulfide	8260B	3.2	J	ug/kg	29

(33 detections)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL09046-001			
Description: H17-AF01 (120709)- (21-22)				Matrix: Solid			
Date Sampled: 12/07/2009 1435				% Solids: 78.3 12/09/2009 1808			
Date Received: 12/09/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	12/18/2009 1725	RRH		24016	10.95

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		580	200	ug/kg	2
Benzene	71-43-2	8260B	ND		150	32	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		150	50	ug/kg	2
Bromoform	75-25-2	8260B	ND		150	20	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		150	53	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		290	70	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		150	38	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		150	53	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		150	50	ug/kg	2
Chloroethane	75-00-3	8260B	ND		150	38	ug/kg	2
Chloroform	67-66-3	8260B	ND		150	24	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		150	29	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		150	20	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		150	44	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		150	50	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		150	25	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		150	50	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		150	50	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		150	50	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		150	47	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		150	21	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		150	29	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		150	50	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		150	22	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		150	44	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		150	27	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		150	20	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		150	24	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		150	50	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		290	38	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		150	23	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		150	20	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		150	12	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		290	44	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		150	18	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		150	76	ug/kg	2
Styrene	100-42-5	8260B	ND		150	32	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		150	14	ug/kg	2
Tetrachloroethene	127-18-4	8260B	ND		150	67	ug/kg	2
Toluene	108-88-3	8260B	ND		150	50	ug/kg	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		150	61	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		150	50	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		150	25	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		150	23	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: KL09046-001
Description: H17-AF01 (120709)- (21-22)	Matrix: Solid
Date Sampled: 12/07/2009 1435	% Solids: 78.3 12/09/2009 1808
Date Received: 12/09/2009	

Run 2	Prep Method 5035	Analytical Method 8260B	Dilution 50	Analysis Date 12/18/2009 1725	Analyst RRH	Prep Date	Batch 24016	Sample Wt.(g) 10.95	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	350		150	55	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		150	44	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		150	25	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		150	85	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		80	53-142
Bromofluorobenzene		79	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

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Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL09046-002			
Description: H17-AF01 (120709)- (31-32)				Matrix: Solid			
Date Sampled: 12/07/2009 1615				% Solids: 78.2 12/09/2009 1808			
Date Received: 12/09/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	12/18/2009 1748	RRH		24016	11.49

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		560	190	ug/kg	2
Benzene	71-43-2	8260B	ND		140	31	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		140	47	ug/kg	2
Bromoform	75-25-2	8260B	ND		140	19	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		140	50	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		280	67	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		140	36	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		140	50	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		140	47	ug/kg	2
Chloroethane	75-00-3	8260B	ND		140	36	ug/kg	2
Chloroform	67-66-3	8260B	ND		140	23	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		140	28	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		140	19	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		140	42	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		140	47	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		140	24	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		140	47	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		140	47	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		140	47	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		140	45	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		140	20	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		140	28	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		140	47	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	22	J	140	21	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		140	42	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		140	25	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		140	19	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		140	23	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		140	47	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		280	36	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		140	22	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		140	19	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		140	11	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		280	42	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		140	17	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		140	72	ug/kg	2
Styrene	100-42-5	8260B	ND		140	31	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		140	13	ug/kg	2
Tetrachloroethene	127-18-4	8260B	ND		140	64	ug/kg	2
Toluene	108-88-3	8260B	ND		140	47	ug/kg	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		140	58	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		140	47	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		140	24	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		140	22	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: KL09046-002
Description: H17-AF01 (120709)- (31-32)	Matrix: Solid
Date Sampled: 12/07/2009 1615	% Solids: 78.2 12/09/2009 1808
Date Received: 12/09/2009	

Run 2	Prep Method 5035	Analytical Method 8260B	Dilution 50	Analysis Date 12/18/2009 1748	Analyst RRH	Prep Date	Batch 24016	Sample Wt.(g) 11.49	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	470		140	53	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		140	42	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		140	24	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		140	81	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		82	53-142
Bromofluorobenzene		80	47-138
Toluene-d8		84	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

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Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL09046-003			
Description: H17-AF01 (120709)- (37-38)				Matrix: Solid			
Date Sampled: 12/07/2009 1620				% Solids: 86.6 12/09/2009 1808			
Date Received: 12/09/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	12/18/2009 1810	RRH		24016	13.17

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		440	150	ug/kg	2
Benzene	71-43-2	8260B	ND		110	24	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		110	37	ug/kg	2
Bromoform	75-25-2	8260B	ND		110	15	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		110	39	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		220	53	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		110	29	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		110	39	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		110	37	ug/kg	2
Chloroethane	75-00-3	8260B	ND		110	29	ug/kg	2
Chloroform	67-66-3	8260B	ND		110	18	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		110	22	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		110	15	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		110	33	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		110	37	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		110	19	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		110	37	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		110	37	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		110	37	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		110	35	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		110	16	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		110	22	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		110	37	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		110	17	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		110	33	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		110	20	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		110	15	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		110	18	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		110	37	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		220	29	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		110	18	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		110	15	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		110	8.8	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		220	33	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		110	13	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		110	57	ug/kg	2
Styrene	100-42-5	8260B	ND		110	24	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		110	10	ug/kg	2
Tetrachloroethene	127-18-4	8260B	ND		110	50	ug/kg	2
Toluene	108-88-3	8260B	ND		110	37	ug/kg	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		110	46	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		110	37	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		110	19	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		110	17	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: KL09046-003	
Description: H17-AF01 (120709)- (37-38)		Matrix: Solid	
Date Sampled: 12/07/2009 1620		% Solids: 86.6 12/09/2009 1808	
Date Received: 12/09/2009			

Run 2	Prep Method 5035	Analytical Method 8260B	Dilution 50	Analysis Date 12/18/2009 1810	Analyst RRH	Prep Date	Batch 24016	Sample Wt.(g) 13.17	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		110	42	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		110	33	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		110	19	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		110	64	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		72	53-142
Bromofluorobenzene		69	47-138
Toluene-d8		74	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL09046-004			
Description: H17-AF62 (120809)- (21-22)				Matrix: Solid			
Date Sampled: 12/08/2009 0945				% Solids: 80.0 12/09/2009 1808			
Date Received: 12/09/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	12/18/2009 1833	RRH		24016	10.93

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		570	190	ug/kg	2
Benzene	71-43-2	8260B	ND		140	31	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		140	49	ug/kg	2
Bromoform	75-25-2	8260B	ND		140	20	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		140	51	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		290	69	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		140	37	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		140	51	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		140	49	ug/kg	2
Chloroethane	75-00-3	8260B	ND		140	37	ug/kg	2
Chloroform	67-66-3	8260B	ND		140	24	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		140	29	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		140	19	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		140	43	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		140	49	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		140	24	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		140	49	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		140	49	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		140	49	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		140	46	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		140	21	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		140	29	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		140	49	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		140	22	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		140	43	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		140	26	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		140	19	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		140	23	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		140	49	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		290	37	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		140	23	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		140	19	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		140	11	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		290	43	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		140	17	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		140	74	ug/kg	2
Styrene	100-42-5	8260B	ND		140	31	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		140	13	ug/kg	2
Tetrachloroethene	127-18-4	8260B	ND		140	66	ug/kg	2
Toluene	108-88-3	8260B	ND		140	49	ug/kg	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		140	60	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		140	49	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		140	24	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		140	23	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: KL09046-004
Description: H17-AF62 (120809)- (21-22)	Matrix: Solid
Date Sampled: 12/08/2009 0945	% Solids: 80.0 12/09/2009 1808
Date Received: 12/09/2009	

Run 2	Prep Method 5035	Analytical Method 8260B	Dilution 50	Analysis Date 12/18/2009 1833	Analyst RRH	Prep Date	Batch 24016	Sample Wt.(g) 10.93

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		140	54	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		140	43	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		140	25	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		140	83	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4	N	0.00	53-142
Bromofluorobenzene	N	0.00	47-138
Toluene-d8	N	0.00	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL09046-005			
Description: H17-AF62 (120809)- (26-27)				Matrix: Solid			
Date Sampled: 12/08/2009 0950				% Solids: 86.8 12/09/2009 1808			
Date Received: 12/09/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	12/18/2009 1855	RRH		24016	13.69

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		420	140	ug/kg	2
Benzene	71-43-2	8260B	ND		110	23	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		110	36	ug/kg	2
Bromoform	75-25-2	8260B	ND		110	15	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		110	38	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		210	50	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		110	27	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		110	38	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		110	36	ug/kg	2
Chloroethane	75-00-3	8260B	ND		110	27	ug/kg	2
Chloroform	67-66-3	8260B	ND		110	17	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		110	21	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		110	14	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		110	32	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		110	36	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		110	18	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		110	36	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		110	36	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		110	36	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		110	34	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		110	15	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		110	21	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		110	36	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	31	J	110	16	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		110	32	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		110	19	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		110	14	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		110	17	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		110	36	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		210	27	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		110	17	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		110	14	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		110	8.4	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	37	J	210	32	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		110	13	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		110	55	ug/kg	2
Styrene	100-42-5	8260B	ND		110	23	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		110	9.9	ug/kg	2
Tetrachloroethene	127-18-4	8260B	ND		110	48	ug/kg	2
Toluene	108-88-3	8260B	36	J	110	36	ug/kg	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		110	44	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		110	36	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		110	18	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		110	17	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: KL09046-005
Description: H17-AF62 (120809)- (26-27)	Matrix: Solid
Date Sampled: 12/08/2009 0950	% Solids: 86.8 12/09/2009 1808
Date Received: 12/09/2009	

Run 2	Prep Method 5035	Analytical Method 8260B	Dilution 50	Analysis Date 12/18/2009 1855	Analyst RRH	Prep Date	Batch 24016	Sample Wt.(g) 13.69	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	200		110	40	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		110	32	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		110	18	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		110	61	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		74	53-142
Bromofluorobenzene		65	47-138
Toluene-d8		69	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.					Laboratory ID: KL09046-006			
Description: H17-AF62 (120809)- (36-37)					Matrix: Solid			
Date Sampled: 12/08/2009 0955					% Solids: 90.1 12/09/2009 1808			
Date Received: 12/09/2009								

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/22/2009 2100	RRH		24175	5.21

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		21	7.1	ug/kg	1
Benzene	71-43-2	8260B	ND		5.3	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.3	1.8	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.3	0.75	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.3	1.9	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.6	ug/kg	1
Carbon disulfide	75-15-0	8260B	4.9	J	5.3	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.3	1.9	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.3	1.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.3	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.3	0.88	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.3	1.1	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.3	0.72	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.3	1.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.3	1.8	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.3	0.91	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.3	1.8	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.3	1.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.3	1.8	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.3	1.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.3	0.78	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.3	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.3	1.8	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.3	0.81	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.3	1.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.3	0.97	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.3	0.72	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.3	0.87	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.3	1.8	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.4	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.3	0.85	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.3	0.71	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.3	0.43	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.6	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.3	0.65	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.3	2.8	ug/kg	1
Styrene	100-42-5	8260B	ND		5.3	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.3	0.50	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.3	2.4	ug/kg	1
Toluene	108-88-3	8260B	ND		5.3	1.8	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.3	2.2	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.3	1.8	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.3	0.91	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.3	0.84	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: KL09046-006
Description: H17-AF62 (120809)- (36-37)	Matrix: Solid
Date Sampled:12/08/2009 0955	% Solids: 90.1 12/09/2009 1808
Date Received: 12/09/2009	

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/22/2009 2100	Analyst RRH	Prep Date	Batch 24175	Sample Wt.(g) 5.21	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		5.3	2.0	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.3	1.6	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.3	0.92	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.3	3.1	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		74	53-142
Bromofluorobenzene		91	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL09046-007			
Description: H17-AF53 (120809)- (25-26)				Matrix: Solid			
Date Sampled: 12/08/2009 1145				% Solids: 79.4 12/09/2009 1808			
Date Received: 12/09/2009							

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/22/2009 2123	Analyst RRH	Prep Date	Batch 24175	Sample Wt.(g) 5.96

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	36		21	7.1	ug/kg	1
Benzene	71-43-2	8260B	ND		5.3	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.3	1.8	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.3	0.74	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.3	1.9	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	18		5.3	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.3	1.9	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.3	1.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.3	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.3	0.88	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.3	1.1	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.3	0.71	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.3	1.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.3	1.8	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.3	0.90	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.3	1.8	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.3	1.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.3	1.8	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.3	1.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.3	0.77	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.3	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.3	1.8	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.3	0.80	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.3	1.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.3	0.96	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.3	0.72	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.3	0.87	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.3	1.8	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.4	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.3	0.84	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.3	0.71	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.3	0.42	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.6	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.3	0.64	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.3	2.7	ug/kg	1
Styrene	100-42-5	8260B	ND		5.3	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.3	0.50	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.3	2.4	ug/kg	1
Toluene	108-88-3	8260B	ND		5.3	1.8	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.3	2.2	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.3	1.8	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.3	0.90	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.3	0.83	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: KL09046-007
Description: H17-AF53 (120809)- (25-26)	Matrix: Solid
Date Sampled:12/08/2009 1145	% Solids: 79.4 12/09/2009 1808
Date Received: 12/09/2009	

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/22/2009 2123	Analyst RRH	Prep Date	Batch 24175	Sample Wt.(g) 5.96	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	36		5.3	2.0	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.3	1.6	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.3	0.91	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.3	3.1	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		72	53-142
Bromofluorobenzene		87	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL09046-008			
Description: H17-AF53 (120809)- (35-36)				Matrix: Solid			
Date Sampled: 12/08/2009 1150				% Solids: 86.1 12/09/2009 1808			
Date Received: 12/09/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/22/2009 2146	RRH		24175	6.35

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		18	6.1	ug/kg	1
Benzene	71-43-2	8260B	ND		4.6	1.0	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.6	1.6	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.6	0.64	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.6	1.6	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		9.1	2.2	ug/kg	1
Carbon disulfide	75-15-0	8260B	12		4.6	1.2	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.6	1.6	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.6	1.6	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.6	1.2	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.6	0.76	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.6	0.91	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.6	0.62	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.6	1.4	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.6	1.6	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.6	0.78	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.6	1.6	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.6	1.6	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.6	1.6	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.6	1.5	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.6	0.67	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.6	0.91	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.6	1.6	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.6	0.69	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.6	1.4	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.6	0.83	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.6	0.62	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.6	0.75	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.6	1.6	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		9.1	1.2	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.6	0.73	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.6	0.61	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.6	0.37	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		9.1	1.4	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.6	0.56	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.6	2.4	ug/kg	1
Styrene	100-42-5	8260B	ND		4.6	1.0	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.6	0.43	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		4.6	2.1	ug/kg	1
Toluene	108-88-3	8260B	ND		4.6	1.6	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.6	1.9	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.6	1.6	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.6	0.78	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.6	0.72	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: KL09046-008
Description: H17-AF53 (120809)- (35-36)	Matrix: Solid
Date Sampled:12/08/2009 1150	% Solids: 86.1 12/09/2009 1808
Date Received: 12/09/2009	

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/22/2009 2146	Analyst RRH	Prep Date	Batch 24175	Sample Wt.(g) 6.35	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	8.8		4.6	1.7	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		4.6	1.4	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		4.6	0.79	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.6	2.7	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		74	53-142
Bromofluorobenzene		88	47-138
Toluene-d8		88	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL09046-009			
Description: H17-AF53 (120809)- (42-43)				Matrix: Solid			
Date Sampled: 12/08/2009 1155				% Solids: 87.8 12/09/2009 1808			
Date Received: 12/09/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/22/2009 2209	RRH		24175	7.21

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		16	5.3	ug/kg	1
Benzene	71-43-2	8260B	ND		4.0	0.87	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.0	1.3	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.0	0.55	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.0	1.4	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		7.9	1.9	ug/kg	1
Carbon disulfide	75-15-0	8260B	2.6	J	4.0	1.0	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.0	1.4	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.0	1.3	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.0	1.0	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.0	0.66	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.0	0.79	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.0	0.53	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.0	1.2	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.0	1.3	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.0	0.67	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.0	1.3	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.0	1.3	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.0	1.3	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.0	1.3	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.0	0.58	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.0	0.79	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.0	1.3	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.0	0.60	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.0	1.2	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.0	0.72	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.0	0.54	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.0	0.65	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.0	1.3	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		7.9	1.0	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.0	0.63	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.0	0.53	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.0	0.32	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		7.9	1.2	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.0	0.48	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.0	2.1	ug/kg	1
Styrene	100-42-5	8260B	ND		4.0	0.87	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.0	0.37	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		4.0	1.8	ug/kg	1
Toluene	108-88-3	8260B	ND		4.0	1.3	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.0	1.7	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.0	1.3	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.0	0.67	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.0	0.62	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: KL09046-009
Description: H17-AF53 (120809)- (42-43)	Matrix: Solid
Date Sampled:12/08/2009 1155	% Solids: 87.8 12/09/2009 1808
Date Received: 12/09/2009	

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/22/2009 2209	Analyst RRH	Prep Date	Batch 24175	Sample Wt.(g) 7.21	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	5.3		4.0	1.5	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		4.0	1.2	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		4.0	0.68	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.0	2.3	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		74	53-142
Bromofluorobenzene		89	47-138
Toluene-d8		87	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.					Laboratory ID: KL09046-010			
Description: H17-AF15 (120809)- (21-22)					Matrix: Solid			
Date Sampled: 12/08/2009 1540					% Solids: 79.8 12/09/2009 1808			
Date Received: 12/09/2009								

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/22/2009 2233	RRH		24175	5.22

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	200		24	8.0	ug/kg	1
Benzene	71-43-2	8260B	ND		6.0	1.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.0	2.0	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.0	0.84	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.0	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	11		6.0	1.6	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.0	2.2	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.0	2.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.0	1.6	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.0	1.0	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.0	1.2	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.0	0.81	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.0	1.8	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.0	2.0	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.0	1.0	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.0	2.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.0	2.0	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.0	2.0	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.0	1.9	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.0	0.88	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.0	1.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.0	2.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.0	0.91	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.0	1.8	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.0	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.0	0.82	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.0	0.98	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.0	2.0	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	1.6	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.0	0.96	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.0	0.80	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.0	0.48	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.8	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.0	0.73	ug/kg	1
Methylene chloride	75-09-2	8260B	4.5	J	6.0	3.1	ug/kg	1
Styrene	100-42-5	8260B	ND		6.0	1.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.0	0.56	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.0	2.8	ug/kg	1
Toluene	108-88-3	8260B	ND		6.0	2.0	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.0	2.5	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.0	2.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.0	1.0	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.0	0.95	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: KL09046-010
Description: H17-AF15 (120809)- (21-22)	Matrix: Solid
Date Sampled: 12/08/2009 1540	% Solids: 79.8 12/09/2009 1808
Date Received: 12/09/2009	

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/22/2009 2233	Analyst RRH	Prep Date	Batch 24175	Sample Wt.(g) 5.22

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	35		6.0	2.3	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.0	1.8	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.0	1.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	4.7	J	6.0	3.5	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		73	53-142
Bromofluorobenzene		86	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.					Laboratory ID: KL09046-011			
Description: H17-AF15 (120809)- (29-30)					Matrix: Solid			
Date Sampled: 12/08/2009 1545					% Solids: 72.3 12/09/2009 1808			
Date Received: 12/09/2009								

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/22/2009 2256	RRH		24175	3.21

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	280		43	14	ug/kg	1
Benzene	71-43-2	8260B	ND		11	2.4	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		11	3.7	ug/kg	1
Bromoform	75-25-2	8260B	ND		11	1.5	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		11	3.9	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		22	5.2	ug/kg	1
Carbon disulfide	75-15-0	8260B	30		11	2.8	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		11	3.9	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		11	3.7	ug/kg	1
Chloroethane	75-00-3	8260B	ND		11	2.8	ug/kg	1
Chloroform	67-66-3	8260B	ND		11	1.8	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		11	2.2	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		11	1.5	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		11	3.2	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		11	3.7	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		11	1.8	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		11	3.7	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		11	3.7	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		11	3.7	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		11	3.4	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		11	1.6	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		11	2.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		11	3.7	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	2.2	J	11	1.6	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		11	3.2	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		11	2.0	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		11	1.5	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		11	1.8	ug/kg	1
Ethylbenzene	100-41-4	8260B	6.4	J	11	3.7	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		22	2.8	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		11	1.7	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		11	1.4	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		11	0.86	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		22	3.2	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		11	1.3	ug/kg	1
Methylene chloride	75-09-2	8260B	7.0	J	11	5.6	ug/kg	1
Styrene	100-42-5	8260B	ND		11	2.4	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		11	1.0	ug/kg	1
Tetrachloroethene	127-18-4	8260B	7.5	J	11	5.0	ug/kg	1
Toluene	108-88-3	8260B	5.1	J	11	3.7	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		11	4.5	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		11	3.7	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		11	1.8	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		11	1.7	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: KL09046-011
Description: H17-AF15 (120809)- (29-30)	Matrix: Solid
Date Sampled:12/08/2009 1545	% Solids: 72.3 12/09/2009 1808
Date Received: 12/09/2009	

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/22/2009 2256	Analyst RRH	Prep Date	Batch 24175	Sample Wt.(g) 3.21	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	77		11	4.1	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		11	3.2	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		11	1.9	ug/kg	1
Xylenes (total)	1330-20-7	8260B	41		11	6.2	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		71	53-142
Bromofluorobenzene		83	47-138
Toluene-d8		84	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.					Laboratory ID: KL09046-012			
Description: H17-AF15 (120809)- (37-38)					Matrix: Solid			
Date Sampled: 12/08/2009 1550					% Solids: 88.5 12/09/2009 1808			
Date Received: 12/09/2009								

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/22/2009 2320	RRH		24175	5.17

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	130		22	7.3	ug/kg	1
Benzene	71-43-2	8260B	ND		5.5	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.5	1.9	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.5	0.77	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.5	2.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.6	ug/kg	1
Carbon disulfide	75-15-0	8260B	1.5	J	5.5	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.5	2.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.5	1.9	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.5	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.5	0.91	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.5	1.1	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.5	0.74	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.5	1.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.5	1.9	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.5	0.93	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.5	1.9	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.5	1.9	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.5	1.9	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.5	1.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.5	0.80	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.5	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.5	1.9	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.5	0.83	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.5	1.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.5	0.99	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.5	0.74	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.5	0.90	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.5	1.9	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.4	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.5	0.87	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.5	0.73	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.5	0.44	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.6	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.5	0.67	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.5	2.8	ug/kg	1
Styrene	100-42-5	8260B	ND		5.5	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.5	0.51	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.5	2.5	ug/kg	1
Toluene	108-88-3	8260B	ND		5.5	1.9	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.5	2.3	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.5	1.9	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.5	0.93	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.5	0.86	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: KL09046-012	
Description: H17-AF15 (120809)- (37-38)		Matrix: Solid	
Date Sampled: 12/08/2009 1550		% Solids: 88.5 12/09/2009 1808	
Date Received: 12/09/2009			

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/22/2009 2320	Analyst RRH	Prep Date	Batch 24175	Sample Wt.(g) 5.17	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		5.5	2.1	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.5	1.6	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.5	0.94	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.5	3.2	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		73	53-142
Bromofluorobenzene		87	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.					Laboratory ID: KL09046-013			
Description: H17-AF15 (120809)- (44-45)					Matrix: Solid			
Date Sampled: 12/08/2009 1555					% Solids: 89.7 12/09/2009 1808			
Date Received: 12/09/2009								

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/22/2009 2343	RRH		24175	5.96

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	180		19	6.3	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	0.65	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		9.4	2.2	ug/kg	1
Carbon disulfide	75-15-0	8260B	3.2	J	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	0.78	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.7	0.94	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.7	0.63	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	0.80	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	0.68	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.7	0.94	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	0.71	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	0.85	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.7	0.64	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.7	0.77	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.7	1.6	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		9.4	1.2	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.7	0.75	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.7	0.63	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.7	0.37	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		9.4	1.4	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.7	0.57	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.7	2.4	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	0.44	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		4.7	2.2	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	2.0	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	0.80	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.7	0.74	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: KL09046-013	
Description: H17-AF15 (120809)- (44-45)		Matrix: Solid	
Date Sampled: 12/08/2009 1555		% Solids: 89.7 12/09/2009 1808	
Date Received: 12/09/2009			

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/22/2009 2343	Analyst RRH	Prep Date	Batch 24175	Sample Wt.(g) 5.96	

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	0.80	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.7	2.7	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		74	53-142
Bromofluorobenzene		87	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

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ24016-001

Matrix: Solid

Batch: 24016

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		50	1000	340	ug/kg	12/17/2009 2003
Benzene	ND		50	250	55	ug/kg	12/17/2009 2003
Bromodichloromethane	ND		50	250	85	ug/kg	12/17/2009 2003
Bromoform	ND		50	250	35	ug/kg	12/17/2009 2003
Bromomethane (Methyl bromide)	ND		50	250	90	ug/kg	12/17/2009 2003
2-Butanone (MEK)	ND		50	500	120	ug/kg	12/17/2009 2003
Carbon disulfide	ND		50	250	65	ug/kg	12/17/2009 2003
Carbon tetrachloride	ND		50	250	90	ug/kg	12/17/2009 2003
Chlorobenzene	ND		50	250	85	ug/kg	12/17/2009 2003
Chloroethane	ND		50	250	65	ug/kg	12/17/2009 2003
Chloroform	ND		50	250	42	ug/kg	12/17/2009 2003
Chloromethane (Methyl chloride)	ND		50	250	50	ug/kg	12/17/2009 2003
Cyclohexane	ND		50	250	34	ug/kg	12/17/2009 2003
1,2-Dibromo-3-chloropropane (DBCP)	ND		50	250	75	ug/kg	12/17/2009 2003
Dibromochloromethane	ND		50	250	85	ug/kg	12/17/2009 2003
1,2-Dibromoethane (EDB)	ND		50	250	43	ug/kg	12/17/2009 2003
1,4-Dichlorobenzene	ND		50	250	85	ug/kg	12/17/2009 2003
1,3-Dichlorobenzene	ND		50	250	85	ug/kg	12/17/2009 2003
1,2-Dichlorobenzene	ND		50	250	85	ug/kg	12/17/2009 2003
Dichlorodifluoromethane	ND		50	250	80	ug/kg	12/17/2009 2003
1,2-Dichloroethane	ND		50	250	50	ug/kg	12/17/2009 2003
1,1-Dichloroethane	ND		50	250	37	ug/kg	12/17/2009 2003
trans-1,2-Dichloroethene	ND		50	250	75	ug/kg	12/17/2009 2003
cis-1,2-Dichloroethene	ND		50	250	38	ug/kg	12/17/2009 2003
1,1-Dichloroethene	ND		50	250	85	ug/kg	12/17/2009 2003
1,2-Dichloropropane	ND		50	250	46	ug/kg	12/17/2009 2003
trans-1,3-Dichloropropene	ND		50	250	41	ug/kg	12/17/2009 2003
cis-1,3-Dichloropropene	ND		50	250	34	ug/kg	12/17/2009 2003
Ethylbenzene	ND		50	250	85	ug/kg	12/17/2009 2003
2-Hexanone	ND		50	500	65	ug/kg	12/17/2009 2003
Isopropylbenzene	ND		50	250	40	ug/kg	12/17/2009 2003
Methyl acetate	ND		50	250	34	ug/kg	12/17/2009 2003
Methyl tertiary butyl ether (MTBE)	ND		50	250	20	ug/kg	12/17/2009 2003
4-Methyl-2-pentanone	ND		50	500	75	ug/kg	12/17/2009 2003
Methylcyclohexane	ND		50	250	31	ug/kg	12/17/2009 2003
Methylene chloride	ND		50	250	130	ug/kg	12/17/2009 2003
Styrene	ND		50	250	55	ug/kg	12/17/2009 2003
1,1,2,2-Tetrachloroethane	ND		50	250	24	ug/kg	12/17/2009 2003
Tetrachloroethene	ND		50	250	110	ug/kg	12/17/2009 2003
Toluene	ND		50	250	85	ug/kg	12/17/2009 2003
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		50	250	110	ug/kg	12/17/2009 2003
1,2,4-Trichlorobenzene	ND		50	250	85	ug/kg	12/17/2009 2003
1,1,2-Trichloroethane	ND		50	250	40	ug/kg	12/17/2009 2003
1,1,1-Trichloroethane	ND		50	250	43	ug/kg	12/17/2009 2003

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: KQ24016-001

Matrix: Solid

Batch: 24016

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		50	250	95	ug/kg	12/17/2009 2003
Trichlorofluoromethane	ND		50	250	75	ug/kg	12/17/2009 2003
Vinyl chloride	ND		50	250	43	ug/kg	12/17/2009 2003
Xylenes (total)	ND		50	250	150	ug/kg	12/17/2009 2003
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		107	47-138				
1,2-Dichloroethane-d4		104	53-142				
Toluene-d8		117	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: KQ24016-002

Batch: 24016

Analytical Method: 8260B

Matrix: Solid

Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	2000	840		50	42	42-149	12/17/2009 2026
Benzene	1000	1200		50	116	69-123	12/17/2009 2026
Bromodichloromethane	1000	1000		50	102	69-121	12/17/2009 2026
Bromoform	1000	1000		50	103	61-119	12/17/2009 2026
Bromomethane (Methyl bromide)	1000	740		50	74	35-144	12/17/2009 2026
2-Butanone (MEK)	2000	1500		50	74	57-148	12/17/2009 2026
Carbon disulfide	1000	1100		50	114	58-122	12/17/2009 2026
Carbon tetrachloride	1000	1200		50	121	58-136	12/17/2009 2026
Chlorobenzene	1000	1200		50	116	59-129	12/17/2009 2026
Chloroethane	1000	840		50	84	50-132	12/17/2009 2026
Chloroform	1000	1100		50	109	71-125	12/17/2009 2026
Chloromethane (Methyl chloride)	1000	580		50	58	34-134	12/17/2009 2026
Cyclohexane	1000	1300		50	128	53-139	12/17/2009 2026
1,2-Dibromo-3-chloropropane (DBCP)	1000	850		50	85	55-125	12/17/2009 2026
Dibromochloromethane	1000	990		50	99	66-119	12/17/2009 2026
1,2-Dibromoethane (EDB)	1000	1000		50	100	74-124	12/17/2009 2026
1,4-Dichlorobenzene	1000	1200		50	115	52-133	12/17/2009 2026
1,3-Dichlorobenzene	1000	1200		50	118	51-134	12/17/2009 2026
1,2-Dichlorobenzene	1000	1100		50	113	57-131	12/17/2009 2026
Dichlorodifluoromethane	1000	760		50	76	10-157	12/17/2009 2026
1,2-Dichloroethane	1000	1000		50	101	67-129	12/17/2009 2026
1,1-Dichloroethane	1000	1100		50	113	71-127	12/17/2009 2026
trans-1,2-Dichloroethene	1000	1200		50	118	68-131	12/17/2009 2026
cis-1,2-Dichloroethene	1000	1100		50	112	70-122	12/17/2009 2026
1,1-Dichloroethene	1000	1300		50	125	69-138	12/17/2009 2026
1,2-Dichloropropane	1000	1100		50	110	72-124	12/17/2009 2026
trans-1,3-Dichloropropene	1000	1000		50	100	70-124	12/17/2009 2026
cis-1,3-Dichloropropene	1000	1100		50	105	70-126	12/17/2009 2026
Ethylbenzene	1000	1200		50	120	59-128	12/17/2009 2026
2-Hexanone	2000	1700		50	87	54-137	12/17/2009 2026
Isopropylbenzene	1000	1200		50	122	50-136	12/17/2009 2026
Methyl acetate	1000	920		50	92	59-137	12/17/2009 2026
Methyl tertiary butyl ether (MTBE)	1000	1000		50	104	72-122	12/17/2009 2026
4-Methyl-2-pentanone	2000	1600		50	80	60-134	12/17/2009 2026
Methylcyclohexane	1000	1300		50	129	41-144	12/17/2009 2026
Methylene chloride	1000	1100		50	106	77-129	12/17/2009 2026
Styrene	1000	1200		50	115	54-136	12/17/2009 2026
1,1,2,2-Tetrachloroethane	1000	950		50	95	69-132	12/17/2009 2026
Tetrachloroethene	1000	1300	N	50	132	70-130	12/17/2009 2026
Toluene	1000	1200		50	118	61-129	12/17/2009 2026
1,1,2-Trichloro-1,2,2-Trifluoroethane	1000	1200		50	121	49-136	12/17/2009 2026
1,2,4-Trichlorobenzene	1000	1200		50	122	34-145	12/17/2009 2026
1,1,2-Trichloroethane	1000	1100		50	110	55-128	12/17/2009 2026
1,1,1-Trichloroethane	1000	1200		50	120	63-128	12/17/2009 2026

PQL = Practical quantitation limit

P = The RPD between 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: KQ24016-002

Matrix: Solid

Batch: 24016

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	1000	1200		50	121	62-126	12/17/2009 2026
Trichlorofluoromethane	1000	1300		50	130	45-138	12/17/2009 2026
Vinyl chloride	1000	990		50	99	42-132	12/17/2009 2026
Xylenes (total)	2000	2400		50	119	58-128	12/17/2009 2026
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		119	47-138				
1,2-Dichloroethane-d4		109	53-142				
Toluene-d8		122	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: KQ24016-003

Matrix: Solid

Batch: 24016

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	2000	1200	+	50	60	35	42-149	20	12/17/2009 2049
Benzene	1000	1200		50	119	2.5	69-123	20	12/17/2009 2049
Bromodichloromethane	1000	1000		50	105	2.5	69-121	20	12/17/2009 2049
Bromoform	1000	1100		50	107	3.7	61-119	20	12/17/2009 2049
Bromomethane (Methyl bromide)	1000	700		50	70	6.6	35-144	20	12/17/2009 2049
2-Butanone (MEK)	2000	1900	+	50	95	24	57-148	20	12/17/2009 2049
Carbon disulfide	1000	1200		50	120	5.4	58-122	20	12/17/2009 2049
Carbon tetrachloride	1000	1300		50	126	4.3	58-136	20	12/17/2009 2049
Chlorobenzene	1000	1200		50	120	3.5	59-129	20	12/17/2009 2049
Chloroethane	1000	710		50	71	17	50-132	20	12/17/2009 2049
Chloroform	1000	1100		50	113	3.4	71-125	20	12/17/2009 2049
Chloromethane (Methyl chloride)	1000	660		50	66	12	34-134	20	12/17/2009 2049
Cyclohexane	1000	1400		50	135	5.5	53-139	20	12/17/2009 2049
1,2-Dibromo-3-chloropropane (DBCP)	1000	950		50	95	12	55-125	20	12/17/2009 2049
Dibromochloromethane	1000	1000		50	100	1.3	66-119	20	12/17/2009 2049
1,2-Dibromoethane (EDB)	1000	1000		50	103	3.5	74-124	20	12/17/2009 2049
1,4-Dichlorobenzene	1000	1200		50	119	3.3	52-133	20	12/17/2009 2049
1,3-Dichlorobenzene	1000	1200		50	120	1.6	51-134	20	12/17/2009 2049
1,2-Dichlorobenzene	1000	1200		50	116	2.7	57-131	20	12/17/2009 2049
Dichlorodifluoromethane	1000	800		50	80	4.6	10-157	20	12/17/2009 2049
1,2-Dichloroethane	1000	1000		50	104	3.8	67-129	20	12/17/2009 2049
1,1-Dichloroethane	1000	1200		50	118	4.1	71-127	20	12/17/2009 2049
trans-1,2-Dichloroethene	1000	1200		50	123	4.3	68-131	20	12/17/2009 2049
cis-1,2-Dichloroethene	1000	1200		50	116	3.4	70-122	20	12/17/2009 2049
1,1-Dichloroethene	1000	1300		50	132	4.9	69-138	20	12/17/2009 2049
1,2-Dichloropropane	1000	1100		50	113	3.5	72-124	20	12/17/2009 2049
trans-1,3-Dichloropropene	1000	1000		50	104	3.5	70-124	20	12/17/2009 2049
cis-1,3-Dichloropropene	1000	1100		50	109	3.1	70-126	20	12/17/2009 2049
Ethylbenzene	1000	1200		50	122	1.7	59-128	20	12/17/2009 2049
2-Hexanone	2000	1900		50	93	6.5	54-137	20	12/17/2009 2049
Isopropylbenzene	1000	1300		50	126	2.9	50-136	20	12/17/2009 2049
Methyl acetate	1000	1000		50	102	10	59-137	20	12/17/2009 2049
Methyl tertiary butyl ether (MTBE)	1000	1100		50	109	4.9	72-122	20	12/17/2009 2049
4-Methyl-2-pentanone	2000	1700		50	85	5.3	60-134	20	12/17/2009 2049
Methylcyclohexane	1000	1400		50	136	4.9	41-144	20	12/17/2009 2049
Methylene chloride	1000	1100		50	112	5.5	77-129	20	12/17/2009 2049
Styrene	1000	1200		50	118	2.0	54-136	20	12/17/2009 2049
1,1,2,2-Tetrachloroethane	1000	1000		50	101	5.8	69-132	20	12/17/2009 2049
Tetrachloroethene	1000	1400	N	50	136	2.7	70-130	20	12/17/2009 2049
Toluene	1000	1200		50	123	3.8	61-129	20	12/17/2009 2049
1,1,2-Trichloro-1,2,2-Trifluoroethane	1000	1300		50	125	3.6	49-136	20	12/17/2009 2049
1,2,4-Trichlorobenzene	1000	1300		50	127	4.0	34-145	20	12/17/2009 2049
1,1,2-Trichloroethane	1000	1200		50	117	6.5	55-128	20	12/17/2009 2049
1,1,1-Trichloroethane	1000	1200		50	123	3.2	63-128	20	12/17/2009 2049

PQL = Practical quantitation limit

P = The RPD between 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: KQ24016-003

Matrix: Solid

Batch: 24016

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	1000	1200		50	123	1.1	62-126	20	12/17/2009 2049
Trichlorofluoromethane	1000	1300		50	133	2.1	45-138	20	12/17/2009 2049
Vinyl chloride	1000	1000		50	103	4.5	42-132	20	12/17/2009 2049
Xylenes (total)	2000	2400		50	120	0.61	58-128	20	12/17/2009 2049
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		115	47-138						
1,2-Dichloroethane-d4		105	53-142						
Toluene-d8		119	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: KQ24175-001

Matrix: Solid

Batch: 24175

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	12/22/2009 2037
Benzene	ND		1	5.0	1.1	ug/kg	12/22/2009 2037
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	12/22/2009 2037
Bromoform	ND		1	5.0	0.70	ug/kg	12/22/2009 2037
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	12/22/2009 2037
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	12/22/2009 2037
Carbon disulfide	ND		1	5.0	1.3	ug/kg	12/22/2009 2037
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	12/22/2009 2037
Chlorobenzene	ND		1	5.0	1.7	ug/kg	12/22/2009 2037
Chloroethane	ND		1	5.0	1.3	ug/kg	12/22/2009 2037
Chloroform	ND		1	5.0	0.83	ug/kg	12/22/2009 2037
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	12/22/2009 2037
Cyclohexane	ND		1	5.0	0.67	ug/kg	12/22/2009 2037
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	12/22/2009 2037
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	12/22/2009 2037
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	12/22/2009 2037
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/22/2009 2037
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/22/2009 2037
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/22/2009 2037
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	12/22/2009 2037
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	12/22/2009 2037
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	12/22/2009 2037
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	12/22/2009 2037
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	12/22/2009 2037
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	12/22/2009 2037
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	12/22/2009 2037
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	12/22/2009 2037
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	12/22/2009 2037
Ethylbenzene	ND		1	5.0	1.7	ug/kg	12/22/2009 2037
2-Hexanone	ND		1	10	1.3	ug/kg	12/22/2009 2037
Isopropylbenzene	ND		1	5.0	0.80	ug/kg	12/22/2009 2037
Methyl acetate	ND		1	5.0	0.67	ug/kg	12/22/2009 2037
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	12/22/2009 2037
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	12/22/2009 2037
Methylcyclohexane	ND		1	5.0	0.61	ug/kg	12/22/2009 2037
Methylene chloride	ND		1	5.0	2.6	ug/kg	12/22/2009 2037
Styrene	ND		1	5.0	1.1	ug/kg	12/22/2009 2037
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	12/22/2009 2037
Tetrachloroethene	ND		1	5.0	2.3	ug/kg	12/22/2009 2037
Toluene	ND		1	5.0	1.7	ug/kg	12/22/2009 2037
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	2.1	ug/kg	12/22/2009 2037
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	12/22/2009 2037
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	12/22/2009 2037
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	12/22/2009 2037

PQL = Practical quantitation limit

P = The RPD between 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: KQ24175-001

Matrix: Solid

Batch: 24175

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	12/22/2009 2037
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	12/22/2009 2037
Vinyl chloride	ND		1	5.0	0.86	ug/kg	12/22/2009 2037
Xylenes (total)	ND		1	5.0	2.9	ug/kg	12/22/2009 2037
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		91	47-138				
1,2-Dichloroethane-d4		75	53-142				
Toluene-d8		89	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: KQ24175-002

Matrix: Solid

Batch: 24175

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	150	N	1	153	42-149	12/22/2009 1902
Benzene	50	58		1	115	69-123	12/22/2009 1902
Bromodichloromethane	50	58		1	116	69-121	12/22/2009 1902
Bromoform	50	57		1	115	61-119	12/22/2009 1902
Bromomethane (Methyl bromide)	50	50		1	101	35-144	12/22/2009 1902
2-Butanone (MEK)	100	130		1	134	57-148	12/22/2009 1902
Carbon disulfide	50	63	N	1	125	58-122	12/22/2009 1902
Carbon tetrachloride	50	59		1	117	58-136	12/22/2009 1902
Chlorobenzene	50	57		1	115	59-129	12/22/2009 1902
Chloroethane	50	45		1	91	50-132	12/22/2009 1902
Chloroform	50	57		1	113	71-125	12/22/2009 1902
Chloromethane (Methyl chloride)	50	79	N	1	158	34-134	12/22/2009 1902
Cyclohexane	50	55		1	109	53-139	12/22/2009 1902
1,2-Dibromo-3-chloropropane (DBCP)	50	57		1	114	55-125	12/22/2009 1902
Dibromochloromethane	50	58		1	117	66-119	12/22/2009 1902
1,2-Dibromoethane (EDB)	50	57		1	114	74-124	12/22/2009 1902
1,4-Dichlorobenzene	50	58		1	117	52-133	12/22/2009 1902
1,3-Dichlorobenzene	50	59		1	119	51-134	12/22/2009 1902
1,2-Dichlorobenzene	50	56		1	112	57-131	12/22/2009 1902
Dichlorodifluoromethane	50	75		1	150	10-157	12/22/2009 1902
1,2-Dichloroethane	50	55		1	111	67-129	12/22/2009 1902
1,1-Dichloroethane	50	57		1	114	71-127	12/22/2009 1902
trans-1,2-Dichloroethene	50	58		1	116	68-131	12/22/2009 1902
cis-1,2-Dichloroethene	50	57		1	115	70-122	12/22/2009 1902
1,1-Dichloroethene	50	60		1	119	69-138	12/22/2009 1902
1,2-Dichloropropane	50	57		1	115	72-124	12/22/2009 1902
trans-1,3-Dichloropropene	50	59		1	118	70-124	12/22/2009 1902
cis-1,3-Dichloropropene	50	60		1	119	70-126	12/22/2009 1902
Ethylbenzene	50	60		1	120	59-128	12/22/2009 1902
2-Hexanone	100	120		1	116	54-137	12/22/2009 1902
Isopropylbenzene	50	64		1	128	50-136	12/22/2009 1902
Methyl acetate	50	60		1	121	59-137	12/22/2009 1902
Methyl tertiary butyl ether (MTBE)	50	57		1	114	72-122	12/22/2009 1902
4-Methyl-2-pentanone	100	110		1	111	60-134	12/22/2009 1902
Methylcyclohexane	50	65		1	130	41-144	12/22/2009 1902
Methylene chloride	50	54		1	109	77-129	12/22/2009 1902
Styrene	50	62		1	124	54-136	12/22/2009 1902
1,1,2,2-Tetrachloroethane	50	58		1	116	69-132	12/22/2009 1902
Tetrachloroethene	50	62		1	125	70-130	12/22/2009 1902
Toluene	50	60		1	120	61-129	12/22/2009 1902
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	56		1	112	49-136	12/22/2009 1902
1,2,4-Trichlorobenzene	50	64		1	129	34-145	12/22/2009 1902
1,1,2-Trichloroethane	50	57		1	113	55-128	12/22/2009 1902
1,1,1-Trichloroethane	50	57		1	115	63-128	12/22/2009 1902

PQL = Practical quantitation limit

P = The RPD between 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: KQ24175-002

Matrix: Solid

Batch: 24175

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	59		1	118	62-126	12/22/2009 1902
Trichlorofluoromethane	50	57		1	113	45-138	12/22/2009 1902
Vinyl chloride	50	75	N	1	150	42-132	12/22/2009 1902
Xylenes (total)	100	120		1	123	58-128	12/22/2009 1902
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		102	47-138				
1,2-Dichloroethane-d4		80	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 $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: KQ24175-003

Matrix: Solid

Batch: 24175

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	120	+	1	116	27	42-149	20	12/22/2009 1926
Benzene	50	54		1	107	6.9	69-123	20	12/22/2009 1926
Bromodichloromethane	50	55		1	109	5.8	69-121	20	12/22/2009 1926
Bromoform	50	54		1	107	6.8	61-119	20	12/22/2009 1926
Bromomethane (Methyl bromide)	50	53		1	106	5.5	35-144	20	12/22/2009 1926
2-Butanone (MEK)	100	110		1	112	18	57-148	20	12/22/2009 1926
Carbon disulfide	50	58		1	116	7.4	58-122	20	12/22/2009 1926
Carbon tetrachloride	50	54		1	109	7.3	58-136	20	12/22/2009 1926
Chlorobenzene	50	55		1	109	4.8	59-129	20	12/22/2009 1926
Chloroethane	50	60	+	1	120	28	50-132	20	12/22/2009 1926
Chloroform	50	53		1	107	6.1	71-125	20	12/22/2009 1926
Chloromethane (Methyl chloride)	50	69	N	1	138	14	34-134	20	12/22/2009 1926
Cyclohexane	50	51		1	101	7.9	53-139	20	12/22/2009 1926
1,2-Dibromo-3-chloropropane (DBCP)	50	50		1	101	12	55-125	20	12/22/2009 1926
Dibromochloromethane	50	56		1	112	4.1	66-119	20	12/22/2009 1926
1,2-Dibromoethane (EDB)	50	55		1	109	4.0	74-124	20	12/22/2009 1926
1,4-Dichlorobenzene	50	55		1	110	5.9	52-133	20	12/22/2009 1926
1,3-Dichlorobenzene	50	56		1	112	5.7	51-134	20	12/22/2009 1926
1,2-Dichlorobenzene	50	52		1	103	7.8	57-131	20	12/22/2009 1926
Dichlorodifluoromethane	50	67		1	134	11	10-157	20	12/22/2009 1926
1,2-Dichloroethane	50	52		1	105	5.6	67-129	20	12/22/2009 1926
1,1-Dichloroethane	50	54		1	108	5.9	71-127	20	12/22/2009 1926
trans-1,2-Dichloroethene	50	55		1	109	6.4	68-131	20	12/22/2009 1926
cis-1,2-Dichloroethene	50	54		1	109	5.5	70-122	20	12/22/2009 1926
1,1-Dichloroethene	50	55		1	110	8.2	69-138	20	12/22/2009 1926
1,2-Dichloropropane	50	54		1	107	6.9	72-124	20	12/22/2009 1926
trans-1,3-Dichloropropene	50	57		1	114	3.1	70-124	20	12/22/2009 1926
cis-1,3-Dichloropropene	50	56		1	111	6.9	70-126	20	12/22/2009 1926
Ethylbenzene	50	58		1	115	4.2	59-128	20	12/22/2009 1926
2-Hexanone	100	100		1	102	12	54-137	20	12/22/2009 1926
Isopropylbenzene	50	60		1	119	7.2	50-136	20	12/22/2009 1926
Methyl acetate	50	56		1	112	7.0	59-137	20	12/22/2009 1926
Methyl tertiary butyl ether (MTBE)	50	53		1	106	6.8	72-122	20	12/22/2009 1926
4-Methyl-2-pentanone	100	100		1	100	10	60-134	20	12/22/2009 1926
Methylcyclohexane	50	59		1	118	9.4	41-144	20	12/22/2009 1926
Methylene chloride	50	51		1	103	5.6	77-129	20	12/22/2009 1926
Styrene	50	59		1	118	4.7	54-136	20	12/22/2009 1926
1,1,2,2-Tetrachloroethane	50	54		1	107	8.0	69-132	20	12/22/2009 1926
Tetrachloroethene	50	59		1	118	5.1	70-130	20	12/22/2009 1926
Toluene	50	56		1	111	7.4	61-129	20	12/22/2009 1926
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	51		1	102	9.2	49-136	20	12/22/2009 1926
1,2,4-Trichlorobenzene	50	60		1	119	7.6	34-145	20	12/22/2009 1926
1,1,2-Trichloroethane	50	55		1	109	3.8	55-128	20	12/22/2009 1926
1,1,1-Trichloroethane	50	54		1	107	6.6	63-128	20	12/22/2009 1926

PQL = Practical quantitation limit

P = The RPD between 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: KQ24175-003

Matrix: Solid

Batch: 24175

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	55		1	109	7.9	62-126	20	12/22/2009 1926
Trichlorofluoromethane	50	61		1	122	6.9	45-138	20	12/22/2009 1926
Vinyl chloride	50	64		1	128	15	42-132	20	12/22/2009 1926
Xylenes (total)	100	120		1	117	5.2	58-128	20	12/22/2009 1926
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		100	47-138						
1,2-Dichloroethane-d4		76	53-142						
Toluene-d8		91	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



SHEALY 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 101474

Client: Arccadis		Report to Contact: Scott Boston		Telephone No. / Fax No. / E-mail: 919-854-1282 / scott.boston@arccadis.com		Quote No.	
Address: 801 Corporate Center Dr #300		Sampler's Signature: <i>[Signature]</i>		Waybill No.		Page 1 of 3	
City: Releigh		State: NC		Zip Code: 27607		Analysis (Attach list if more space is needed.)	
Project Name: HAA-17		Printed Name: Josh Frizzell					
Project No.: GPO8HAFS.H17B.DGOF1		P.O. No.		No. of Containers by Preservative Type		Lot No. KL04046	
Sample ID / Description		Date		Time		Remarks / Container ID	
(Containers for each sample may be combined on one line.)							
H17-AF01(120709)-(21-22)		12-7-09		1435		5	
H17-AF01(120709)-(31-32)		12-7-09		1615		5	
H17-AF01(120709)-(37-38)		12-7-09		1620		5	
H17-AF62(120809)-(21-22)		12-8-09		0945		5	
H17-AF62(120809)-(26-27)		12-8-09		0950		5	
H17-AF62(120809)-(36-37)		12-8-09		0955		5	
H17-AF53(120809)-(25-26)		12-8-09		1145		5	
H17-AF53(120809)-(35-36)		12-8-09		1150		5	
H17-AF53(120809)-(42-43)		12-8-09		1155		5	
H17-AF15(120809)-(21-22)		12-8-09		1540		5	
Possible Hazard Identification							
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☒ Unknown							
Turn Around Time: Required (Prior lab approval required for expedited TAT.)							
☒ Standard ☐ Rush (Specify)							
1. Relinquished by		Date		Time		1. Received by	
2. Relinquished by		Date		Time		2. Received by	
3. Relinquished by		Date		Time		3. Laboratory received by	
Comments		Date		Time		Date	
FED 12-8-09		12-8-09		1800		12-8-09	
LAB USE ONLY		Date		Time		Receipt Temp. 4.7 °C	
Received on ice (Circle) Yes ☒ No ☐							

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Disposal by Lab ☒ Requirements (Specify)

Sample Disposal

Return to Client ☐

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Samples; PINK-Field/Client Copy

Document Number: FAD-012 Effective Date: 06-04-02

Number 101473

[illegible]

DISTRIBUTION: WHITE & YELLOW-Return to Laboratory with Sample(s); PINK-Field/Client Copy

Document Number: FAD-012 Effective Date: 08-04-02

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: E-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/12/2/09 Lot #: KL09046

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>4-17</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 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" (½" 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: _____

Report of Analysis

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

Project Name: HAA-17

Project Number: GP08HAFS.H17B.DG0F1

Lot Number: KL13004

Date Completed: 01/05/2010



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.

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SHEALY ENVIRONMENTAL SERVICES, INC.

SC DHEC No: 32010

NELAC No: E87653

NC DEHNR No: 329

Case Narrative ARCADIS U.S., Inc. Lot Number: KL13004

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.

Volatile Organic Compounds

Dilutions greater than 5X impact the surrogate recoveries, thus negating their usefulness concerning quality control. The sample results are reported and no corrective action is required.

Sample -006 and -010 were analyzed outside the holding time due to instrument issues.

The LCSD recovery for Carbon disulfide and Tetrachloroethene were outside method control limits in batch 23960. The LCS results were within limits. Therefore the associated sample results were reported and no corrective action was required.

The RPD for Vinyl chloride exceeded method control limits in batch 23963; however, all other QA/QC criteria for the LCS/LCSD were within acceptance criteria and method control limits. The associated sample results were reported and no corrective action was required.

The LCSD recovery for Chloromethane (Methyl chloride) and Vinyl chloride were outside method control limits in batch 24314. The LCS results were within limits. Therefore the associated sample results were reported and no corrective action was required.

The LCS/LCSD recovery for four analytes exceeded method control limits in batch 24685; however, all other QA/QC criteria for the LCS/LCSD 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.

SHEALY ENVIRONMENTAL SERVICES, INC.

Sample Summary ARCADIS U.S., Inc. Lot Number: KL13004

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	H17-AF61(120909)-(22-23)	Solid	12/09/2009 1015	12/12/2009
002	H17-AF61 (120909)-(36-37)	Solid	12/09/2009 1115	12/12/2009
003	H17-AF61 (120909)-(41-42)	Solid	12/09/2009 1120	12/12/2009
004	H17-AF61 (120909)-(48-49)	Solid	12/09/2009 1125	12/12/2009
005	H17-AF101 (121009)-(24-25)	Solid	12/10/2009 1020	12/12/2009
006	H17-AF101 (121009)-(34-35)	Solid	12/10/2009 1025	12/12/2009
007	H17-PF2 (121009)-(34-35)	Solid	12/10/2009 1510	12/12/2009
008	H17-PF2 (121009)-(44-45)	Solid	12/10/2009 1515	12/12/2009
009	H17-PF3 (121109)-(2-3)	Solid	12/11/2009 0810	12/12/2009
010	H17-PF3 (121109)-(6-7)	Solid	12/11/2009 0835	12/12/2009
011	H17-PF1 (121109)-(6-7)	Solid	12/11/2009 1015	12/12/2009
012	H17-PF1 (121109)-(34-35)	Solid	12/11/2009 1030	12/12/2009
013	H17-PF1 (121109)-(44-45)	Solid	12/11/2009 1035	12/12/2009

(13 samples)

SHEALY ENVIRONMENTAL SERVICES, INC.

Executive Summary

ARCADIS U.S., Inc.

Lot Number: KL13004

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	H17-AF61(120909)-(22-	Solid	Acetone	8260B	38		ug/kg	5
001	H17-AF61(120909)-(22-	Solid	Carbon disulfide	8260B	6.3		ug/kg	5
001	H17-AF61(120909)-(22-	Solid	Carbon tetrachloride	8260B	4.1		ug/kg	5
001	H17-AF61(120909)-(22-	Solid	cis-1,2-Dichloroethene	8260B	0.54	J	ug/kg	5
001	H17-AF61(120909)-(22-	Solid	Trichloroethene	8260B	530		ug/kg	6
002	H17-AF61 (120909)-(36-	Solid	Trichloroethene	8260B	750		ug/kg	8
003	H17-AF61 (120909)-(41-	Solid	Carbon disulfide	8260B	1.5	J	ug/kg	9
003	H17-AF61 (120909)-(41-	Solid	Trichloroethene	8260B	2.1		ug/kg	10
004	H17-AF61 (120909)-(48-	Solid	Carbon disulfide	8260B	4.8	J	ug/kg	11
005	H17-AF101 (121009)-(24-	Solid	Acetone	8260B	20		ug/kg	13
005	H17-AF101 (121009)-(24-	Solid	Carbon disulfide	8260B	5.8		ug/kg	13
005	H17-AF101 (121009)-(24-	Solid	1,1-Dichloroethene	8260B	4.3		ug/kg	13
005	H17-AF101 (121009)-(24-	Solid	cis-1,2-Dichloroethene	8260B	94		ug/kg	13
005	H17-AF101 (121009)-(24-	Solid	Trichloroethene	8260B	940		ug/kg	14
006	H17-AF101 (121009)-(34-	Solid	Trichloroethene	8260B	810	H	ug/kg	16
007	H17-PF2 (121009)-(34-35)	Solid	Carbon disulfide	8260B	2.1	J	ug/kg	17
007	H17-PF2 (121009)-(34-35)	Solid	cis-1,2-Dichloroethene	8260B	0.43	J	ug/kg	17
007	H17-PF2 (121009)-(34-35)	Solid	Trichloroethene	8260B	9.2		ug/kg	18
008	H17-PF2 (121009)-(44-45)	Solid	Carbon disulfide	8260B	6.1	J	ug/kg	19
008	H17-PF2 (121009)-(44-45)	Solid	cis-1,2-Dichloroethene	8260B	3.8	J	ug/kg	19
008	H17-PF2 (121009)-(44-45)	Solid	Trichloroethene	8260B	95		ug/kg	20
009	H17-PF3 (121109)-(2-3)	Solid	Ethylbenzene	8260B	4300		ug/kg	21
009	H17-PF3 (121109)-(2-3)	Solid	Isopropylbenzene	8260B	3700		ug/kg	21
009	H17-PF3 (121109)-(2-3)	Solid	4-Methyl-2-pentanone	8260B	310	J	ug/kg	21
009	H17-PF3 (121109)-(2-3)	Solid	Methylcyclohexane	8260B	11000		ug/kg	21
009	H17-PF3 (121109)-(2-3)	Solid	Toluene	8260B	2600		ug/kg	21
009	H17-PF3 (121109)-(2-3)	Solid	Xylenes (total)	8260B	55000		ug/kg	22
010	H17-PF3 (121109)-(6-7)	Solid	Ethylbenzene	8260B	700	H	ug/kg	23
010	H17-PF3 (121109)-(6-7)	Solid	Isopropylbenzene	8260B	620	H	ug/kg	23
010	H17-PF3 (121109)-(6-7)	Solid	Methylcyclohexane	8260B	6000	H	ug/kg	23
010	H17-PF3 (121109)-(6-7)	Solid	Toluene	8260B	300	H	ug/kg	23
010	H17-PF3 (121109)-(6-7)	Solid	Xylenes (total)	8260B	5200	H	ug/kg	24
011	H17-PF1 (121109)-(6-7)	Solid	Acetone	8260B	7.9	J	ug/kg	25
012	H17-PF1 (121109)-(34-35)	Solid	Acetone	8260B	9.3	J	ug/kg	27
013	H17-PF1 (121109)-(44-45)	Solid	Acetone	8260B	24		ug/kg	29
013	H17-PF1 (121109)-(44-45)	Solid	Carbon disulfide	8260B	1.2	J	ug/kg	29
013	H17-PF1 (121109)-(44-45)	Solid	cis-1,2-Dichloroethene	8260B	1.0	J	ug/kg	29
013	H17-PF1 (121109)-(44-45)	Solid	Trichloroethene	8260B	15		ug/kg	30

(38 detections)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL13004-001				
Description: H17-AF61(120909)-(22-23)				Matrix: Solid				
Date Sampled: 12/09/2009 1015				% Solids: 78.1 12/14/2009 1724				
Date Received: 12/12/2009								

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/18/2009 1438	DLB		23960	15.08
2	5035	8260B	50	12/23/2009 2017	RRH		24321	9.61

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	38		8.5	2.8	ug/kg	1
Benzene	71-43-2	8260B	ND		2.1	0.47	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		2.1	0.72	ug/kg	1
Bromoform	75-25-2	8260B	ND		2.1	0.30	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.1	0.76	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		4.2	1.0	ug/kg	1
Carbon disulfide	75-15-0	8260B	6.3		2.1	0.55	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	4.1		2.1	0.76	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		2.1	0.72	ug/kg	1
Chloroethane	75-00-3	8260B	ND		2.1	0.55	ug/kg	1
Chloroform	67-66-3	8260B	ND		2.1	0.35	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.1	0.42	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		2.1	0.29	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2.1	0.64	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		2.1	0.72	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2.1	0.36	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2.1	0.72	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2.1	0.72	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2.1	0.72	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.1	0.68	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		2.1	0.31	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		2.1	0.42	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		2.1	0.72	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	0.54	J	2.1	0.32	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		2.1	0.64	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		2.1	0.39	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2.1	0.29	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2.1	0.35	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		2.1	0.72	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		4.2	0.55	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		2.1	0.34	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		2.1	0.28	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2.1	0.17	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		4.2	0.64	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		2.1	0.26	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		2.1	1.1	ug/kg	1
Styrene	100-42-5	8260B	ND		2.1	0.47	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2.1	0.20	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		2.1	0.98	ug/kg	1
Toluene	108-88-3	8260B	ND		2.1	0.72	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2.1	0.89	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2.1	0.72	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		2.1	0.36	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: KL13004-001	
Description: H17-AF61(120909)-(22-23)		Matrix: Solid	
Date Sampled: 12/09/2009 1015		% Solids: 78.1 12/14/2009 1724	
Date Received: 12/12/2009			

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/18/2009 1438	DLB		23960	15.08
2	5035	8260B	50	12/23/2009 2017	RRH		24321	9.61

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		2.1	0.34	ug/kg	1
Trichloroethene	79-01-6	8260B	530		170	63	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		2.1	0.64	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		2.1	0.37	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		2.1	1.2	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	53-142	N	51	53-142
Bromofluorobenzene		117	47-138		50	47-138
Toluene-d8		118	68-124	N	52	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 61

Level 1 Report v2.1

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL13004-002			
Description: H17-AF61 (120909)-(36-37)				Matrix: Solid			
Date Sampled: 12/09/2009 1115				% Solids: 73.1 12/14/2009 1724			
Date Received: 12/12/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	12/23/2009 2041	RRH		24321	9.36

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		730	240	ug/kg	1
Benzene	71-43-2	8260B	ND		180	40	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		180	62	ug/kg	1
Bromoform	75-25-2	8260B	ND		180	26	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		180	66	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		370	88	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		180	48	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		180	66	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		180	62	ug/kg	1
Chloroethane	75-00-3	8260B	ND		180	48	ug/kg	1
Chloroform	67-66-3	8260B	ND		180	30	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		180	37	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		180	25	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		180	55	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		180	62	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		180	31	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		180	62	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		180	62	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		180	62	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		180	58	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		180	27	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		180	37	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		180	62	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		180	28	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		180	55	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		180	33	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		180	25	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		180	30	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		180	62	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		370	48	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		180	29	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		180	24	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		180	15	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		370	55	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		180	22	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		180	95	ug/kg	1
Styrene	100-42-5	8260B	ND		180	40	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		180	17	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		180	84	ug/kg	1
Toluene	108-88-3	8260B	ND		180	62	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		180	77	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		180	62	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		180	31	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		180	29	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: KL13004-002
Description: H17-AF61 (120909)-(36-37)	Matrix: Solid
Date Sampled: 12/09/2009 1115	% Solids: 73.1 12/14/2009 1724
Date Received: 12/12/2009	

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 50	Analysis Date 12/23/2009 2041	Analyst RRH	Prep Date	Batch 24321	Sample Wt.(g) 9.36	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	750		180	69	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		180	55	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		180	31	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		180	110	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	53-142
Bromofluorobenzene		115	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

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: KL13004-003			
Description: H17-AF61 (120909)-(41-42)				Matrix: Solid			
Date Sampled: 12/09/2009 1120				% Solids: 87.3 12/14/2009 1724			
Date Received: 12/12/2009							

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/18/2009 1227	Analyst DLB	Prep Date	Batch 23960	Sample Wt.(g) 14.20

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		8.1	2.7	ug/kg	1
Benzene	71-43-2	8260B	ND		2.0	0.44	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		2.0	0.69	ug/kg	1
Bromoform	75-25-2	8260B	ND		2.0	0.28	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.73	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		4.0	0.97	ug/kg	1
Carbon disulfide	75-15-0	8260B	1.5	J	2.0	0.52	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		2.0	0.73	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.69	ug/kg	1
Chloroethane	75-00-3	8260B	ND		2.0	0.52	ug/kg	1
Chloroform	67-66-3	8260B	ND		2.0	0.33	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.0	0.40	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		2.0	0.27	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2.0	0.60	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		2.0	0.69	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2.0	0.34	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2.0	0.69	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2.0	0.69	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2.0	0.69	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	0.65	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		2.0	0.29	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		2.0	0.40	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		2.0	0.69	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		2.0	0.31	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		2.0	0.60	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		2.0	0.37	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2.0	0.27	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2.0	0.33	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		2.0	0.69	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		4.0	0.52	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		2.0	0.32	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		2.0	0.27	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2.0	0.16	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		4.0	0.60	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		2.0	0.25	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		2.0	1.0	ug/kg	1
Styrene	100-42-5	8260B	ND		2.0	0.44	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2.0	0.19	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		2.0	0.93	ug/kg	1
Toluene	108-88-3	8260B	ND		2.0	0.69	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2.0	0.85	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2.0	0.69	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		2.0	0.34	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		2.0	0.32	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: KL13004-003
Description: H17-AF61 (120909)-(41-42)	Matrix: Solid
Date Sampled:12/09/2009 1120	% Solids: 87.3 12/14/2009 1724
Date Received: 12/12/2009	

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/18/2009 1227	Analyst DLB	Prep Date	Batch 23960	Sample Wt.(g) 14.20

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	2.1		2.0	0.77	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		2.0	0.60	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.35	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		2.0	1.2	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		83	53-142
Bromofluorobenzene		105	47-138
Toluene-d8		106	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.					Laboratory ID: KL13004-004			
Description: H17-AF61 (120909)-(48-49)					Matrix: Solid			
Date Sampled: 12/09/2009 1125					% Solids: 65.2 12/14/2009 1724			
Date Received: 12/12/2009								

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	1	12/23/2009 1645	RRH		24314	5.62

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		27	9.1	ug/kg	2
Benzene	71-43-2	8260B	ND		6.8	1.5	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		6.8	2.3	ug/kg	2
Bromoform	75-25-2	8260B	ND		6.8	0.96	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.8	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	4.8	J	6.8	1.8	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		6.8	2.5	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		6.8	2.3	ug/kg	2
Chloroethane	75-00-3	8260B	ND		6.8	1.8	ug/kg	2
Chloroform	67-66-3	8260B	ND		6.8	1.1	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.8	1.4	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		6.8	0.92	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.8	2.0	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		6.8	2.3	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.8	1.2	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.8	2.3	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.8	2.3	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.8	2.3	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		6.8	2.2	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		6.8	1.0	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		6.8	1.4	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		6.8	2.3	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.8	1.0	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.8	2.0	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		6.8	1.2	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.8	0.93	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.8	1.1	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		6.8	2.3	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		14	1.8	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		6.8	1.1	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		6.8	0.91	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.8	0.55	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		14	2.0	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		6.8	0.83	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		6.8	3.5	ug/kg	2
Styrene	100-42-5	8260B	ND		6.8	1.5	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.8	0.64	ug/kg	2
Tetrachloroethene	127-18-4	8260B	ND		6.8	3.1	ug/kg	2
Toluene	108-88-3	8260B	ND		6.8	2.3	ug/kg	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.8	2.9	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.8	2.3	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.8	1.2	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.8	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: KL13004-004
Description: H17-AF61 (120909)-(48-49)	Matrix: Solid
Date Sampled: 12/09/2009 1125	% Solids: 65.2 12/14/2009 1724
Date Received: 12/12/2009	

Run 2	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/23/2009 1645	Analyst RRH	Prep Date	Batch 24314	Sample Wt.(g) 5.62

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		6.8	2.6	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		6.8	2.0	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		6.8	1.2	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		6.8	4.0	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		80	53-142
Bromofluorobenzene		89	47-138
Toluene-d8		87	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL13004-005			
Description: H17-AF101 (121009)-(24-25)				Matrix: Solid			
Date Sampled: 12/10/2009 1020				% Solids: 80.7 12/14/2009 1724			
Date Received: 12/12/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/18/2009 1319	DLB		23960	10.52
2	5035	8260B	50	12/23/2009 2104	RRH		24321	10.20

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	20		12	3.9	ug/kg	1
Benzene	71-43-2	8260B	ND		2.9	0.65	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		2.9	1.0	ug/kg	1
Bromoform	75-25-2	8260B	ND		2.9	0.41	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.9	1.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		5.9	1.4	ug/kg	1
Carbon disulfide	75-15-0	8260B	5.8		2.9	0.77	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		2.9	1.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		2.9	1.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		2.9	0.77	ug/kg	1
Chloroform	67-66-3	8260B	ND		2.9	0.49	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.9	0.59	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		2.9	0.40	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2.9	0.88	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		2.9	1.0	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2.9	0.50	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2.9	1.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2.9	1.0	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2.9	1.0	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.9	0.94	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		2.9	0.43	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		2.9	0.59	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	4.3		2.9	1.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	94		2.9	0.45	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		2.9	0.88	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		2.9	0.54	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2.9	0.40	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2.9	0.48	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		2.9	1.0	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		5.9	0.77	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		2.9	0.47	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		2.9	0.39	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2.9	0.24	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		5.9	0.88	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		2.9	0.36	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		2.9	1.5	ug/kg	1
Styrene	100-42-5	8260B	ND		2.9	0.65	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2.9	0.28	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		2.9	1.4	ug/kg	1
Toluene	108-88-3	8260B	ND		2.9	1.0	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2.9	1.2	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2.9	1.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		2.9	0.50	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: KL13004-005			
Description: H17-AF101 (121009)-(24-25)				Matrix: Solid			
Date Sampled: 12/10/2009 1020				% Solids: 80.7 12/14/2009 1724			
Date Received: 12/12/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/18/2009 1319	DLB		23960	10.52
2	5035	8260B	50	12/23/2009 2104	RRH		24321	10.20

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		2.9	0.47	ug/kg	1
Trichloroethene	79-01-6	8260B	940		150	58	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		2.9	0.88	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		2.9	0.51	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		2.9	1.7	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	53-142		70	53-142
Bromofluorobenzene		94	47-138		76	47-138
Toluene-d8		108	68-124	N	66	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.					Laboratory ID: KL13004-006			
Description: H17-AF101 (121009)-(34-35)					Matrix: Solid			
Date Sampled: 12/10/2009 1025					% Solids: 78.7 12/14/2009 1724			
Date Received: 12/12/2009								

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 50	Analysis Date 01/02/2010 0057	Analyst RRH	Prep Date	Batch 24685	Sample Wt.(g) 5.06		
Parameter			CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone			67-64-1	8260B	ND	H	1300	420	ug/kg	1
Benzene			71-43-2	8260B	ND	H	310	69	ug/kg	1
Bromodichloromethane			75-27-4	8260B	ND	H	310	110	ug/kg	1
Bromoform			75-25-2	8260B	ND	H	310	44	ug/kg	1
Bromomethane (Methyl bromide)			74-83-9	8260B	ND	H	310	110	ug/kg	1
2-Butanone (MEK)			78-93-3	8260B	ND	H	630	150	ug/kg	1
Carbon disulfide			75-15-0	8260B	ND	H	310	82	ug/kg	1
Carbon tetrachloride			56-23-5	8260B	ND	H	310	110	ug/kg	1
Chlorobenzene			108-90-7	8260B	ND	H	310	110	ug/kg	1
Chloroethane			75-00-3	8260B	ND	H	310	82	ug/kg	1
Chloroform			67-66-3	8260B	ND	H	310	52	ug/kg	1
Chloromethane (Methyl chloride)			74-87-3	8260B	ND	H	310	63	ug/kg	1
Cyclohexane			110-82-7	8260B	ND	H	310	42	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)			96-12-8	8260B	ND	H	310	94	ug/kg	1
Dibromochloromethane			124-48-1	8260B	ND	H	310	110	ug/kg	1
1,2-Dibromoethane (EDB)			106-93-4	8260B	ND	H	310	53	ug/kg	1
1,2-Dichlorobenzene			95-50-1	8260B	ND	H	310	110	ug/kg	1
1,3-Dichlorobenzene			541-73-1	8260B	ND	H	310	110	ug/kg	1
1,4-Dichlorobenzene			106-46-7	8260B	ND	H	310	110	ug/kg	1
Dichlorodifluoromethane			75-71-8	8260B	ND	H	310	100	ug/kg	1
1,1-Dichloroethane			75-34-3	8260B	ND	H	310	46	ug/kg	1
1,2-Dichloroethane			107-06-2	8260B	ND	H	310	63	ug/kg	1
1,1-Dichloroethene			75-35-4	8260B	ND	H	310	110	ug/kg	1
cis-1,2-Dichloroethene			156-59-2	8260B	ND	H	310	48	ug/kg	1
trans-1,2-Dichloroethene			156-60-5	8260B	ND	H	310	94	ug/kg	1
1,2-Dichloropropane			78-87-5	8260B	ND	H	310	57	ug/kg	1
cis-1,3-Dichloropropene			10061-01-5	8260B	ND	H	310	43	ug/kg	1
trans-1,3-Dichloropropene			10061-02-6	8260B	ND	H	310	51	ug/kg	1
Ethylbenzene			100-41-4	8260B	ND	H	310	110	ug/kg	1
2-Hexanone			591-78-6	8260B	ND	H	630	82	ug/kg	1
Isopropylbenzene			98-82-8	8260B	ND	H	310	50	ug/kg	1
Methyl acetate			79-20-9	8260B	ND	H	310	42	ug/kg	1
Methyl tertiary butyl ether (MTBE)			1634-04-4	8260B	ND	H	310	25	ug/kg	1
4-Methyl-2-pentanone			108-10-1	8260B	ND	H	630	94	ug/kg	1
Methylcyclohexane			108-87-2	8260B	ND	H	310	38	ug/kg	1
Methylene chloride			75-09-2	8260B	ND	H	310	160	ug/kg	1
Styrene			100-42-5	8260B	ND	H	310	69	ug/kg	1
1,1,2,2-Tetrachloroethane			79-34-5	8260B	ND	H	310	30	ug/kg	1
Tetrachloroethene			127-18-4	8260B	ND	H	310	140	ug/kg	1
Toluene			108-88-3	8260B	ND	H	310	110	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane			76-13-1	8260B	ND	H	310	130	ug/kg	1
1,2,4-Trichlorobenzene			120-82-1	8260B	ND	H	310	110	ug/kg	1
1,1,1-Trichloroethane			71-55-6	8260B	ND	H	310	53	ug/kg	1
1,1,2-Trichloroethane			79-00-5	8260B	ND	H	310	50	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: KL13004-006	
Description: H17-AF101 (121009)-(34-35)		Matrix: Solid	
Date Sampled: 12/10/2009 1025		% Solids: 78.7 12/14/2009 1724	
Date Received: 12/12/2009			

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 50	Analysis Date 01/02/2010 0057	Analyst RRH	Prep Date	Batch 24685	Sample Wt.(g) 5.06

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	810	H	310	120	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND	H	310	94	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND	H	310	54	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND	H	310	180	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4	H	64	53-142
Bromofluorobenzene	H	47	47-138
Toluene-d8	HN	56	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL13004-007			
Description: H17-PF2 (121009)-(34-35)				Matrix: Solid			
Date Sampled: 12/10/2009 1510				% Solids: 81.6 12/14/2009 1724			
Date Received: 12/12/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/18/2009 1342	DLB		23960	13.22

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		9.3	3.1	ug/kg	1
Benzene	71-43-2	8260B	ND		2.3	0.51	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		2.3	0.79	ug/kg	1
Bromoform	75-25-2	8260B	ND		2.3	0.32	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.3	0.83	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		4.6	1.1	ug/kg	1
Carbon disulfide	75-15-0	8260B	2.1	J	2.3	0.60	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		2.3	0.83	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		2.3	0.79	ug/kg	1
Chloroethane	75-00-3	8260B	ND		2.3	0.60	ug/kg	1
Chloroform	67-66-3	8260B	ND		2.3	0.38	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.3	0.46	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		2.3	0.31	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2.3	0.70	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		2.3	0.79	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2.3	0.39	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2.3	0.79	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2.3	0.79	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2.3	0.79	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.3	0.74	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		2.3	0.34	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		2.3	0.46	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		2.3	0.79	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	0.43	J	2.3	0.35	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		2.3	0.70	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		2.3	0.42	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2.3	0.32	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2.3	0.38	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		2.3	0.79	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		4.6	0.60	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		2.3	0.37	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		2.3	0.31	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2.3	0.19	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		4.6	0.70	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		2.3	0.28	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		2.3	1.2	ug/kg	1
Styrene	100-42-5	8260B	ND		2.3	0.51	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2.3	0.22	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		2.3	1.1	ug/kg	1
Toluene	108-88-3	8260B	ND		2.3	0.79	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2.3	0.97	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2.3	0.79	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		2.3	0.39	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		2.3	0.37	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: KL13004-007
Description: H17-PF2 (121009)-(34-35)	Matrix: Solid
Date Sampled: 12/10/2009 1510	% Solids: 81.6 12/14/2009 1724
Date Received: 12/12/2009	

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/18/2009 1342	Analyst DLB	Prep Date	Batch 23960	Sample Wt.(g) 13.22

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	9.2		2.3	0.88	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		2.3	0.70	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		2.3	0.40	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		2.3	1.3	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	53-142
Bromofluorobenzene		103	47-138
Toluene-d8		109	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.					Laboratory ID: KL13004-008			
Description: H17-PF2 (121009)-(44-45)					Matrix: Solid			
Date Sampled: 12/10/2009 1515					% Solids: 70.0 12/14/2009 1724			
Date Received: 12/12/2009								

Run 2	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/23/2009 1708	Analyst RRH	Prep Date	Batch 24314	Sample Wt.(g) 4.13

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		35	12	ug/kg	2
Benzene	71-43-2	8260B	ND		8.6	1.9	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		8.6	2.9	ug/kg	2
Bromoform	75-25-2	8260B	ND		8.6	1.2	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		8.6	3.1	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		17	4.2	ug/kg	2
Carbon disulfide	75-15-0	8260B	6.1	J	8.6	2.2	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		8.6	3.1	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		8.6	2.9	ug/kg	2
Chloroethane	75-00-3	8260B	ND		8.6	2.2	ug/kg	2
Chloroform	67-66-3	8260B	ND		8.6	1.4	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		8.6	1.7	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		8.6	1.2	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		8.6	2.6	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		8.6	2.9	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		8.6	1.5	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		8.6	2.9	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		8.6	2.9	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		8.6	2.9	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		8.6	2.8	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		8.6	1.3	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		8.6	1.7	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		8.6	2.9	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	3.8	J	8.6	1.3	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		8.6	2.6	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		8.6	1.6	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		8.6	1.2	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		8.6	1.4	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		8.6	2.9	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		17	2.2	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		8.6	1.4	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		8.6	1.2	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		8.6	0.69	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		17	2.6	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		8.6	1.1	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		8.6	4.5	ug/kg	2
Styrene	100-42-5	8260B	ND		8.6	1.9	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		8.6	0.81	ug/kg	2
Tetrachloroethene	127-18-4	8260B	ND		8.6	4.0	ug/kg	2
Toluene	108-88-3	8260B	ND		8.6	2.9	ug/kg	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		8.6	3.6	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		8.6	2.9	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		8.6	1.5	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		8.6	1.4	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: KL13004-008		
Description: H17-PF2 (121009)-(44-45)			Matrix: Solid		
Date Sampled:12/10/2009 1515			% Solids: 70.0 12/14/2009 1724		
Date Received: 12/12/2009					

Run 2	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/23/2009 1708	Analyst RRH	Prep Date	Batch 24314	Sample Wt.(g) 4.13

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	95		8.6	3.3	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		8.6	2.6	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		8.6	1.5	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		8.6	5.0	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		76	53-142
Bromofluorobenzene		86	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL13004-009			
Description: H17-PF3 (121109)-(2-3)				Matrix: Solid			
Date Sampled: 12/11/2009 0810				% Solids: 82.3 12/14/2009 1724			
Date Received: 12/12/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	200	12/23/2009 2127	RRH		24321	13.03

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1900	620	ug/kg	1
Benzene	71-43-2	8260B	ND		470	100	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		470	160	ug/kg	1
Bromoform	75-25-2	8260B	ND		470	65	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		470	170	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		930	220	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		470	120	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		470	170	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		470	160	ug/kg	1
Chloroethane	75-00-3	8260B	ND		470	120	ug/kg	1
Chloroform	67-66-3	8260B	ND		470	77	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		470	93	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		470	63	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		470	140	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		470	160	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		470	79	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		470	160	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		470	160	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		470	160	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		470	150	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		470	68	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		470	93	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		470	160	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		470	71	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		470	140	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		470	85	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		470	63	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		470	76	ug/kg	1
Ethylbenzene	100-41-4	8260B	4300		470	160	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		930	120	ug/kg	1
Isopropylbenzene	98-82-8	8260B	3700		470	75	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		470	62	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		470	37	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	310	J	930	140	ug/kg	1
Methylcyclohexane	108-87-2	8260B	11000		470	57	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		470	240	ug/kg	1
Styrene	100-42-5	8260B	ND		470	100	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		470	44	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		470	210	ug/kg	1
Toluene	108-88-3	8260B	2600		470	160	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		470	200	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		470	160	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		470	79	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		470	74	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: KL13004-009
Description: H17-PF3 (121109)-(2-3)	Matrix: Solid
Date Sampled: 12/11/2009 0810	% Solids: 82.3 12/14/2009 1724
Date Received: 12/12/2009	

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 200	Analysis Date 12/23/2009 2127	Analyst RRH	Prep Date	Batch 24321	Sample Wt.(g) 13.03	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		470	180	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		470	140	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		470	80	ug/kg	1
Xylenes (total)	1330-20-7	8260B	55000		470	270	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		64	53-142
Bromofluorobenzene		74	47-138
Toluene-d8		87	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

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P = The RPD between two GC columns exceeds 40%

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

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H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL13004-010			
Description: H17-PF3 (121109)-(6-7)				Matrix: Solid			
Date Sampled: 12/11/2009 0835				% Solids: 75.0 12/14/2009 1724			
Date Received: 12/12/2009							

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 50	Analysis Date 01/01/2010 2348	Analyst RRH	Prep Date	Batch 24685	Sample Wt.(g) 12.43
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND	H	540	180	ug/kg	1
Benzene	71-43-2	8260B	ND	H	130	30	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND	H	130	46	ug/kg	1
Bromoform	75-25-2	8260B	ND	H	130	19	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND	H	130	48	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND	H	270	64	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND	H	130	35	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND	H	130	48	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND	H	130	46	ug/kg	1
Chloroethane	75-00-3	8260B	ND	H	130	35	ug/kg	1
Chloroform	67-66-3	8260B	ND	H	130	22	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND	H	130	27	ug/kg	1
Cyclohexane	110-82-7	8260B	ND	H	130	18	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND	H	130	40	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND	H	130	46	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND	H	130	23	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND	H	130	46	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND	H	130	46	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND	H	130	46	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND	H	130	43	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND	H	130	20	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND	H	130	27	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND	H	130	46	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND	H	130	20	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND	H	130	40	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND	H	130	24	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND	H	130	18	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND	H	130	22	ug/kg	1
Ethylbenzene	100-41-4	8260B	700	H	130	46	ug/kg	1
2-Hexanone	591-78-6	8260B	ND	H	270	35	ug/kg	1
Isopropylbenzene	98-82-8	8260B	620	H	130	21	ug/kg	1
Methyl acetate	79-20-9	8260B	ND	H	130	18	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND	H	130	11	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND	H	270	40	ug/kg	1
Methylcyclohexane	108-87-2	8260B	6000	H	130	16	ug/kg	1
Methylene chloride	75-09-2	8260B	ND	H	130	70	ug/kg	1
Styrene	100-42-5	8260B	ND	H	130	30	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND	H	130	13	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND	H	130	62	ug/kg	1
Toluene	108-88-3	8260B	300	H	130	46	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND	H	130	56	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND	H	130	46	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND	H	130	23	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND	H	130	21	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: KL13004-010
Description: H17-PF3 (121109)-(6-7)	Matrix: Solid
Date Sampled: 12/11/2009 0835	% Solids: 75.0 12/14/2009 1724
Date Received: 12/12/2009	

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 50	Analysis Date 01/01/2010 2348	Analyst RRH	Prep Date	Batch 24685	Sample Wt.(g) 12.43

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND	H	130	51	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND	H	130	40	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND	H	130	23	ug/kg	1
Xylenes (total)	1330-20-7	8260B	5200	H	130	78	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4	H	59	53-142
Bromofluorobenzene	HN	35	47-138
Toluene-d8	HN	55	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.					Laboratory ID: KL13004-011			
Description: H17-PF1 (121109)-(6-7)					Matrix: Solid			
Date Sampled: 12/11/2009 1015					% Solids: 71.9 12/14/2009 1724			
Date Received: 12/12/2009								

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/19/2009 1847	Analyst DLB	Prep Date	Batch 23963	Sample Wt.(g) 8.25
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	7.9	J	17	5.6	ug/kg	1
Benzene	71-43-2	8260B	ND		4.2	0.93	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.2	1.4	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.2	0.59	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.2	1.5	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		8.4	2.0	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		4.2	1.1	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.2	1.5	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.2	1.4	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.2	1.1	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.2	0.70	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.2	0.84	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.2	0.57	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.2	1.3	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.2	1.4	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.2	0.72	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.2	1.4	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.2	1.4	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.2	1.4	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.2	1.3	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.2	0.62	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.2	0.84	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.2	1.4	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.2	0.64	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.2	1.3	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.2	0.77	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.2	0.57	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.2	0.69	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.2	1.4	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		8.4	1.1	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.2	0.67	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.2	0.56	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.2	0.34	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		8.4	1.3	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.2	0.51	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.2	2.2	ug/kg	1
Styrene	100-42-5	8260B	ND		4.2	0.93	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.2	0.40	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		4.2	1.9	ug/kg	1
Toluene	108-88-3	8260B	ND		4.2	1.4	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.2	1.8	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.2	1.4	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.2	0.72	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.2	0.67	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: KL13004-011		
Description: H17-PF1 (121109)-(6-7)			Matrix: Solid		
Date Sampled: 12/11/2009 1015			% Solids: 71.9 12/14/2009 1724		
Date Received: 12/12/2009					

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/19/2009 1847	Analyst DLB	Prep Date	Batch 23963	Sample Wt.(g) 8.25

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		4.2	1.6	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		4.2	1.3	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		4.2	0.72	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.2	2.4	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		86	53-142
Bromofluorobenzene		109	47-138
Toluene-d8		117	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL13004-012			
Description: H17-PF1 (121109)-(34-35)				Matrix: Solid			
Date Sampled: 12/11/2009 1030				% Solids: 80.8 12/14/2009 1724			
Date Received: 12/12/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/19/2009 1910	DLB		23963	11.44

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	9.3	J	11	3.6	ug/kg	1
Benzene	71-43-2	8260B	ND		2.7	0.59	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		2.7	0.92	ug/kg	1
Bromoform	75-25-2	8260B	ND		2.7	0.38	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.7	0.97	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		5.4	1.3	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		2.7	0.70	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		2.7	0.97	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		2.7	0.92	ug/kg	1
Chloroethane	75-00-3	8260B	ND		2.7	0.70	ug/kg	1
Chloroform	67-66-3	8260B	ND		2.7	0.45	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.7	0.54	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		2.7	0.36	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2.7	0.81	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		2.7	0.92	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2.7	0.46	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2.7	0.92	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2.7	0.92	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2.7	0.92	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.7	0.87	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		2.7	0.39	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		2.7	0.54	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		2.7	0.92	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		2.7	0.41	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		2.7	0.81	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		2.7	0.49	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2.7	0.37	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2.7	0.44	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		2.7	0.92	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		5.4	0.70	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		2.7	0.43	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		2.7	0.36	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2.7	0.22	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		5.4	0.81	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		2.7	0.33	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		2.7	1.4	ug/kg	1
Styrene	100-42-5	8260B	ND		2.7	0.59	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2.7	0.25	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		2.7	1.2	ug/kg	1
Toluene	108-88-3	8260B	ND		2.7	0.92	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2.7	1.1	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2.7	0.92	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		2.7	0.46	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		2.7	0.43	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: KL13004-012
Description: H17-PF1 (121109)-(34-35)	Matrix: Solid
Date Sampled:12/11/2009 1030	% Solids: 80.8 12/14/2009 1724
Date Received: 12/12/2009	

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/19/2009 1910	Analyst DLB	Prep Date	Batch 23963	Sample Wt.(g) 11.44

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		2.7	1.0	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		2.7	0.81	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		2.7	0.47	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		2.7	1.6	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	53-142
Bromofluorobenzene		107	47-138
Toluene-d8		108	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.					Laboratory ID: KL13004-013			
Description: H17-PF1 (121109)-(44-45)					Matrix: Solid			
Date Sampled: 12/11/2009 1035					% Solids: 76.5 12/14/2009 1724			
Date Received: 12/12/2009								

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/23/2009 1732	RRH		24314	8.28

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	24		16	5.3	ug/kg	1
Benzene	71-43-2	8260B	ND		3.9	0.87	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		3.9	1.3	ug/kg	1
Bromoform	75-25-2	8260B	ND		3.9	0.55	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		3.9	1.4	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		7.9	1.9	ug/kg	1
Carbon disulfide	75-15-0	8260B	1.2	J	3.9	1.0	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		3.9	1.4	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		3.9	1.3	ug/kg	1
Chloroethane	75-00-3	8260B	ND		3.9	1.0	ug/kg	1
Chloroform	67-66-3	8260B	ND		3.9	0.66	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		3.9	0.79	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		3.9	0.53	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		3.9	1.2	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		3.9	1.3	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		3.9	0.67	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		3.9	1.3	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		3.9	1.3	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		3.9	1.3	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		3.9	1.3	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		3.9	0.58	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		3.9	0.79	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		3.9	1.3	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	1.0	J	3.9	0.60	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		3.9	1.2	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		3.9	0.72	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		3.9	0.54	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		3.9	0.65	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		3.9	1.3	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		7.9	1.0	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		3.9	0.63	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		3.9	0.53	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		3.9	0.32	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		7.9	1.2	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		3.9	0.48	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		3.9	2.1	ug/kg	1
Styrene	100-42-5	8260B	ND		3.9	0.87	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		3.9	0.37	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		3.9	1.8	ug/kg	1
Toluene	108-88-3	8260B	ND		3.9	1.3	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		3.9	1.7	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		3.9	1.3	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		3.9	0.67	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		3.9	0.62	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: KL13004-013
Description: H17-PF1 (121109)-(44-45)	Matrix: Solid
Date Sampled:12/11/2009 1035	% Solids: 76.5 12/14/2009 1724
Date Received: 12/12/2009	

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/23/2009 1732	Analyst RRH	Prep Date	Batch 24314	Sample Wt.(g) 8.28

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	15		3.9	1.5	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		3.9	1.2	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		3.9	0.68	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		3.9	2.3	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		82	53-142
Bromofluorobenzene		87	47-138
Toluene-d8		87	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

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ23960-001

Matrix: Solid

Batch: 23960

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	12/18/2009 1130
Benzene	ND		1	5.0	1.1	ug/kg	12/18/2009 1130
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	12/18/2009 1130
Bromoform	ND		1	5.0	0.70	ug/kg	12/18/2009 1130
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	12/18/2009 1130
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	12/18/2009 1130
Carbon disulfide	ND		1	5.0	1.3	ug/kg	12/18/2009 1130
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	12/18/2009 1130
Chlorobenzene	ND		1	5.0	1.7	ug/kg	12/18/2009 1130
Chloroethane	ND		1	5.0	1.3	ug/kg	12/18/2009 1130
Chloroform	ND		1	5.0	0.83	ug/kg	12/18/2009 1130
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	12/18/2009 1130
Cyclohexane	ND		1	5.0	0.67	ug/kg	12/18/2009 1130
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	12/18/2009 1130
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	12/18/2009 1130
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	12/18/2009 1130
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/18/2009 1130
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/18/2009 1130
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/18/2009 1130
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	12/18/2009 1130
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	12/18/2009 1130
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	12/18/2009 1130
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	12/18/2009 1130
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	12/18/2009 1130
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	12/18/2009 1130
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	12/18/2009 1130
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	12/18/2009 1130
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	12/18/2009 1130
Ethylbenzene	ND		1	5.0	1.7	ug/kg	12/18/2009 1130
2-Hexanone	ND		1	10	1.3	ug/kg	12/18/2009 1130
Isopropylbenzene	ND		1	5.0	0.80	ug/kg	12/18/2009 1130
Methyl acetate	ND		1	5.0	0.67	ug/kg	12/18/2009 1130
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	12/18/2009 1130
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	12/18/2009 1130
Methylcyclohexane	ND		1	5.0	0.61	ug/kg	12/18/2009 1130
Methylene chloride	ND		1	5.0	2.6	ug/kg	12/18/2009 1130
Styrene	ND		1	5.0	1.1	ug/kg	12/18/2009 1130
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	12/18/2009 1130
Tetrachloroethene	ND		1	5.0	2.3	ug/kg	12/18/2009 1130
Toluene	ND		1	5.0	1.7	ug/kg	12/18/2009 1130
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	2.1	ug/kg	12/18/2009 1130
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	12/18/2009 1130
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	12/18/2009 1130
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	12/18/2009 1130

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: KQ23960-001

Matrix: Solid

Batch: 23960

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	12/18/2009 1130
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	12/18/2009 1130
Vinyl chloride	ND		1	5.0	0.86	ug/kg	12/18/2009 1130
Xylenes (total)	ND		1	5.0	2.9	ug/kg	12/18/2009 1130
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		113	47-138				
1,2-Dichloroethane-d4		95	53-142				
Toluene-d8		115	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: KQ23960-002

Matrix: Solid

Batch: 23960

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	90		1	90	42-149	12/18/2009 0956
Benzene	50	53		1	107	69-123	12/18/2009 0956
Bromodichloromethane	50	52		1	103	69-121	12/18/2009 0956
Bromoform	50	48		1	96	61-119	12/18/2009 0956
Bromomethane (Methyl bromide)	50	52		1	104	35-144	12/18/2009 0956
2-Butanone (MEK)	100	94		1	94	57-148	12/18/2009 0956
Carbon disulfide	50	58		1	116	58-122	12/18/2009 0956
Carbon tetrachloride	50	59		1	118	58-136	12/18/2009 0956
Chlorobenzene	50	54		1	107	59-129	12/18/2009 0956
Chloroethane	50	55		1	111	50-132	12/18/2009 0956
Chloroform	50	50		1	101	71-125	12/18/2009 0956
Chloromethane (Methyl chloride)	50	49		1	98	34-134	12/18/2009 0956
Cyclohexane	50	58		1	115	53-139	12/18/2009 0956
1,2-Dibromo-3-chloropropane (DBCP)	50	48		1	95	55-125	12/18/2009 0956
Dibromochloromethane	50	52		1	103	66-119	12/18/2009 0956
1,2-Dibromoethane (EDB)	50	49		1	98	74-124	12/18/2009 0956
1,4-Dichlorobenzene	50	53		1	105	52-133	12/18/2009 0956
1,3-Dichlorobenzene	50	54		1	109	51-134	12/18/2009 0956
1,2-Dichlorobenzene	50	52		1	104	57-131	12/18/2009 0956
Dichlorodifluoromethane	50	56		1	112	10-157	12/18/2009 0956
1,2-Dichloroethane	50	47		1	94	67-129	12/18/2009 0956
1,1-Dichloroethane	50	52		1	104	71-127	12/18/2009 0956
trans-1,2-Dichloroethene	50	55		1	110	68-131	12/18/2009 0956
cis-1,2-Dichloroethene	50	51		1	103	70-122	12/18/2009 0956
1,1-Dichloroethene	50	59		1	118	69-138	12/18/2009 0956
1,2-Dichloropropane	50	52		1	103	72-124	12/18/2009 0956
trans-1,3-Dichloropropene	50	50		1	101	70-124	12/18/2009 0956
cis-1,3-Dichloropropene	50	53		1	105	70-126	12/18/2009 0956
Ethylbenzene	50	56		1	112	59-128	12/18/2009 0956
2-Hexanone	100	95		1	95	54-137	12/18/2009 0956
Isopropylbenzene	50	58		1	117	50-136	12/18/2009 0956
Methyl acetate	50	45		1	90	59-137	12/18/2009 0956
Methyl tertiary butyl ether (MTBE)	50	49		1	98	72-122	12/18/2009 0956
4-Methyl-2-pentanone	100	91		1	91	60-134	12/18/2009 0956
Methylcyclohexane	50	61		1	121	41-144	12/18/2009 0956
Methylene chloride	50	50		1	100	77-129	12/18/2009 0956
Styrene	50	56		1	112	54-136	12/18/2009 0956
1,1,2,2-Tetrachloroethane	50	47		1	94	69-132	12/18/2009 0956
Tetrachloroethene	50	60		1	121	70-130	12/18/2009 0956
Toluene	50	56		1	111	61-129	12/18/2009 0956
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	56		1	113	49-136	12/18/2009 0956
1,2,4-Trichlorobenzene	50	58		1	117	34-145	12/18/2009 0956
1,1,2-Trichloroethane	50	49		1	97	55-128	12/18/2009 0956
1,1,1-Trichloroethane	50	56		1	112	63-128	12/18/2009 0956

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: KQ23960-002

Matrix: Solid

Batch: 23960

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	56		1	112	62-126	12/18/2009 0956
Trichlorofluoromethane	50	61		1	121	45-138	12/18/2009 0956
Vinyl chloride	50	53		1	106	42-132	12/18/2009 0956
Xylenes (total)	100	110		1	112	58-128	12/18/2009 0956
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		121	47-138				
1,2-Dichloroethane-d4		87	53-142				
Toluene-d8		118	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: KQ23960-003

Matrix: Solid

Batch: 23960

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	87		1	87	3.6	42-149	20	12/18/2009 1020
Benzene	50	59		1	118	9.6	69-123	20	12/18/2009 1020
Bromodichloromethane	50	57		1	113	9.5	69-121	20	12/18/2009 1020
Bromoform	50	52		1	104	8.1	61-119	20	12/18/2009 1020
Bromomethane (Methyl bromide)	50	56		1	113	8.5	35-144	20	12/18/2009 1020
2-Butanone (MEK)	100	97		1	97	3.0	57-148	20	12/18/2009 1020
Carbon disulfide	50	63	N	1	127	8.9	58-122	20	12/18/2009 1020
Carbon tetrachloride	50	66		1	133	12	58-136	20	12/18/2009 1020
Chlorobenzene	50	59		1	118	9.0	59-129	20	12/18/2009 1020
Chloroethane	50	59		1	119	6.8	50-132	20	12/18/2009 1020
Chloroform	50	55		1	110	9.0	71-125	20	12/18/2009 1020
Chloromethane (Methyl chloride)	50	47		1	94	4.0	34-134	20	12/18/2009 1020
Cyclohexane	50	65		1	130	12	53-139	20	12/18/2009 1020
1,2-Dibromo-3-chloropropane (DBCP)	50	52		1	104	8.6	55-125	20	12/18/2009 1020
Dibromochloromethane	50	56		1	113	8.8	66-119	20	12/18/2009 1020
1,2-Dibromoethane (EDB)	50	52		1	105	6.8	74-124	20	12/18/2009 1020
1,4-Dichlorobenzene	50	57		1	115	8.7	52-133	20	12/18/2009 1020
1,3-Dichlorobenzene	50	58		1	116	6.6	51-134	20	12/18/2009 1020
1,2-Dichlorobenzene	50	55		1	111	5.9	57-131	20	12/18/2009 1020
Dichlorodifluoromethane	50	62		1	125	11	10-157	20	12/18/2009 1020
1,2-Dichloroethane	50	51		1	103	8.9	67-129	20	12/18/2009 1020
1,1-Dichloroethane	50	57		1	114	9.0	71-127	20	12/18/2009 1020
trans-1,2-Dichloroethene	50	60		1	120	9.1	68-131	20	12/18/2009 1020
cis-1,2-Dichloroethene	50	56		1	113	9.3	70-122	20	12/18/2009 1020
1,1-Dichloroethene	50	65		1	130	10	69-138	20	12/18/2009 1020
1,2-Dichloropropane	50	56		1	112	8.5	72-124	20	12/18/2009 1020
trans-1,3-Dichloropropene	50	55		1	110	8.9	70-124	20	12/18/2009 1020
cis-1,3-Dichloropropene	50	57		1	113	7.1	70-126	20	12/18/2009 1020
Ethylbenzene	50	62		1	125	11	59-128	20	12/18/2009 1020
2-Hexanone	100	100		1	100	5.5	54-137	20	12/18/2009 1020
Isopropylbenzene	50	64		1	128	9.0	50-136	20	12/18/2009 1020
Methyl acetate	50	46		1	91	1.9	59-137	20	12/18/2009 1020
Methyl tertiary butyl ether (MTBE)	50	52		1	103	5.6	72-122	20	12/18/2009 1020
4-Methyl-2-pentanone	100	100		1	100	9.6	60-134	20	12/18/2009 1020
Methylcyclohexane	50	68		1	136	12	41-144	20	12/18/2009 1020
Methylene chloride	50	53		1	106	5.8	77-129	20	12/18/2009 1020
Styrene	50	62		1	124	9.7	54-136	20	12/18/2009 1020
1,1,2,2-Tetrachloroethane	50	50		1	99	6.1	69-132	20	12/18/2009 1020
Tetrachloroethene	50	68	N	1	136	12	70-130	20	12/18/2009 1020
Toluene	50	61		1	122	9.6	61-129	20	12/18/2009 1020
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	62		1	124	9.3	49-136	20	12/18/2009 1020
1,2,4-Trichlorobenzene	50	62		1	124	5.8	34-145	20	12/18/2009 1020
1,1,2-Trichloroethane	50	52		1	104	7.0	55-128	20	12/18/2009 1020
1,1,1-Trichloroethane	50	62		1	123	9.9	63-128	20	12/18/2009 1020

PQL = Practical quantitation limit

P = The RPD between 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: KQ23960-003

Matrix: Solid

Batch: 23960

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	62		1	124	10	62-126	20	12/18/2009 1020
Trichlorofluoromethane	50	68		1	136	12	45-138	20	12/18/2009 1020
Vinyl chloride	50	52		1	105	1.6	42-132	20	12/18/2009 1020
Xylenes (total)	100	120		1	122	9.2	58-128	20	12/18/2009 1020
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		115	47-138						
1,2-Dichloroethane-d4		89	53-142						
Toluene-d8		111	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: KQ23963-001

Matrix: Solid

Batch: 23963

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	12/19/2009 1824
Benzene	ND		1	5.0	1.1	ug/kg	12/19/2009 1824
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	12/19/2009 1824
Bromoform	ND		1	5.0	0.70	ug/kg	12/19/2009 1824
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	12/19/2009 1824
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	12/19/2009 1824
Carbon disulfide	ND		1	5.0	1.3	ug/kg	12/19/2009 1824
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	12/19/2009 1824
Chlorobenzene	ND		1	5.0	1.7	ug/kg	12/19/2009 1824
Chloroethane	ND		1	5.0	1.3	ug/kg	12/19/2009 1824
Chloroform	ND		1	5.0	0.83	ug/kg	12/19/2009 1824
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	12/19/2009 1824
Cyclohexane	ND		1	5.0	0.67	ug/kg	12/19/2009 1824
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	12/19/2009 1824
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	12/19/2009 1824
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	12/19/2009 1824
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/19/2009 1824
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/19/2009 1824
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/19/2009 1824
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	12/19/2009 1824
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	12/19/2009 1824
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	12/19/2009 1824
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	12/19/2009 1824
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	12/19/2009 1824
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	12/19/2009 1824
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	12/19/2009 1824
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	12/19/2009 1824
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	12/19/2009 1824
Ethylbenzene	ND		1	5.0	1.7	ug/kg	12/19/2009 1824
2-Hexanone	ND		1	10	1.3	ug/kg	12/19/2009 1824
Isopropylbenzene	ND		1	5.0	0.80	ug/kg	12/19/2009 1824
Methyl acetate	ND		1	5.0	0.67	ug/kg	12/19/2009 1824
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	12/19/2009 1824
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	12/19/2009 1824
Methylcyclohexane	ND		1	5.0	0.61	ug/kg	12/19/2009 1824
Methylene chloride	ND		1	5.0	2.6	ug/kg	12/19/2009 1824
Styrene	ND		1	5.0	1.1	ug/kg	12/19/2009 1824
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	12/19/2009 1824
Tetrachloroethene	ND		1	5.0	2.3	ug/kg	12/19/2009 1824
Toluene	ND		1	5.0	1.7	ug/kg	12/19/2009 1824
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	2.1	ug/kg	12/19/2009 1824
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	12/19/2009 1824
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	12/19/2009 1824
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	12/19/2009 1824

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: KQ23963-001

Matrix: Solid

Batch: 23963

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	12/19/2009 1824
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	12/19/2009 1824
Vinyl chloride	ND		1	5.0	0.86	ug/kg	12/19/2009 1824
Xylenes (total)	ND		1	5.0	2.9	ug/kg	12/19/2009 1824
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		107	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

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ23963-002

Matrix: Solid

Batch: 23963

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	120		1	123	42-149	12/19/2009 1627
Benzene	50	55		1	110	69-123	12/19/2009 1627
Bromodichloromethane	50	58		1	116	69-121	12/19/2009 1627
Bromoform	50	54		1	109	61-119	12/19/2009 1627
Bromomethane (Methyl bromide)	50	46		1	91	35-144	12/19/2009 1627
2-Butanone (MEK)	100	120		1	120	57-148	12/19/2009 1627
Carbon disulfide	50	58		1	115	58-122	12/19/2009 1627
Carbon tetrachloride	50	59		1	118	58-136	12/19/2009 1627
Chlorobenzene	50	56		1	112	59-129	12/19/2009 1627
Chloroethane	50	51		1	102	50-132	12/19/2009 1627
Chloroform	50	55		1	110	71-125	12/19/2009 1627
Chloromethane (Methyl chloride)	50	46		1	93	34-134	12/19/2009 1627
Cyclohexane	50	58		1	116	53-139	12/19/2009 1627
1,2-Dibromo-3-chloropropane (DBCP)	50	63		1	125	55-125	12/19/2009 1627
Dibromochloromethane	50	55		1	110	66-119	12/19/2009 1627
1,2-Dibromoethane (EDB)	50	57		1	114	74-124	12/19/2009 1627
1,2-Dichlorobenzene	50	60		1	119	57-131	12/19/2009 1627
1,4-Dichlorobenzene	50	61		1	121	52-133	12/19/2009 1627
1,3-Dichlorobenzene	50	61		1	122	51-134	12/19/2009 1627
Dichlorodifluoromethane	50	49		1	98	10-157	12/19/2009 1627
1,2-Dichloroethane	50	55		1	109	67-129	12/19/2009 1627
1,1-Dichloroethane	50	54		1	108	71-127	12/19/2009 1627
1,1-Dichloroethene	50	57		1	114	69-138	12/19/2009 1627
cis-1,2-Dichloroethene	50	56		1	112	70-122	12/19/2009 1627
trans-1,2-Dichloroethene	50	56		1	112	68-131	12/19/2009 1627
1,2-Dichloropropane	50	55		1	111	72-124	12/19/2009 1627
trans-1,3-Dichloropropene	50	55		1	110	70-124	12/19/2009 1627
cis-1,3-Dichloropropene	50	54		1	108	70-126	12/19/2009 1627
Ethylbenzene	50	62		1	123	59-128	12/19/2009 1627
2-Hexanone	100	120		1	117	54-137	12/19/2009 1627
Isopropylbenzene	50	60		1	120	50-136	12/19/2009 1627
Methyl acetate	50	49		1	98	59-137	12/19/2009 1627
Methyl tertiary butyl ether (MTBE)	50	58		1	117	72-122	12/19/2009 1627
4-Methyl-2-pentanone	100	110		1	112	60-134	12/19/2009 1627
Methylcyclohexane	50	61		1	121	41-144	12/19/2009 1627
Methylene chloride	50	53		1	105	77-129	12/19/2009 1627
Styrene	50	57		1	113	54-136	12/19/2009 1627
1,1,2,2-Tetrachloroethane	50	59		1	118	69-132	12/19/2009 1627
Tetrachloroethene	50	59		1	119	70-130	12/19/2009 1627
Toluene	50	59		1	118	61-129	12/19/2009 1627
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	55		1	110	49-136	12/19/2009 1627
1,2,4-Trichlorobenzene	50	69		1	137	34-145	12/19/2009 1627
1,1,1-Trichloroethane	50	57		1	113	63-128	12/19/2009 1627
1,1,2-Trichloroethane	50	56		1	112	55-128	12/19/2009 1627

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: KQ23963-002

Matrix: Solid

Batch: 23963

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	57		1	113	62-126	12/19/2009 1627
Trichlorofluoromethane	50	56		1	112	45-138	12/19/2009 1627
Vinyl chloride	50	52		1	103	42-132	12/19/2009 1627
Xylenes (total)	100	120		1	115	58-128	12/19/2009 1627
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		126	47-138				
1,2-Dichloroethane-d4		97	53-142				
Toluene-d8		117	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: KQ23963-003

Matrix: Solid

Batch: 23963

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	120		1	118	4.0	42-149	20	12/19/2009 1650
Benzene	50	49		1	98	11	69-123	20	12/19/2009 1650
Bromodichloromethane	50	55		1	109	5.5	69-121	20	12/19/2009 1650
Bromoform	50	54		1	107	1.6	61-119	20	12/19/2009 1650
Bromomethane (Methyl bromide)	50	43		1	86	5.8	35-144	20	12/19/2009 1650
2-Butanone (MEK)	100	120		1	120	0.13	57-148	20	12/19/2009 1650
Carbon disulfide	50	50		1	100	14	58-122	20	12/19/2009 1650
Carbon tetrachloride	50	52		1	105	12	58-136	20	12/19/2009 1650
Chlorobenzene	50	53		1	106	6.1	59-129	20	12/19/2009 1650
Chloroethane	50	44		1	88	14	50-132	20	12/19/2009 1650
Chloroform	50	51		1	103	6.9	71-125	20	12/19/2009 1650
Chloromethane (Methyl chloride)	50	41		1	81	13	34-134	20	12/19/2009 1650
Cyclohexane	50	50		1	100	15	53-139	20	12/19/2009 1650
1,2-Dibromo-3-chloropropane (DBCP)	50	61		1	123	2.1	55-125	20	12/19/2009 1650
Dibromochloromethane	50	54		1	107	2.4	66-119	20	12/19/2009 1650
1,2-Dibromoethane (EDB)	50	56		1	112	2.5	74-124	20	12/19/2009 1650
1,2-Dichlorobenzene	50	56		1	111	6.8	57-131	20	12/19/2009 1650
1,4-Dichlorobenzene	50	56		1	111	8.5	52-133	20	12/19/2009 1650
1,3-Dichlorobenzene	50	56		1	111	9.4	51-134	20	12/19/2009 1650
Dichlorodifluoromethane	50	42		1	83	16	10-157	20	12/19/2009 1650
1,2-Dichloroethane	50	53		1	106	3.2	67-129	20	12/19/2009 1650
1,1-Dichloroethane	50	49		1	99	9.2	71-127	20	12/19/2009 1650
1,1-Dichloroethene	50	50		1	100	13	69-138	20	12/19/2009 1650
cis-1,2-Dichloroethene	50	52		1	103	8.2	70-122	20	12/19/2009 1650
trans-1,2-Dichloroethene	50	50		1	99	12	68-131	20	12/19/2009 1650
1,2-Dichloropropane	50	51		1	102	8.0	72-124	20	12/19/2009 1650
trans-1,3-Dichloropropene	50	54		1	109	1.1	70-124	20	12/19/2009 1650
cis-1,3-Dichloropropene	50	52		1	104	4.1	70-126	20	12/19/2009 1650
Ethylbenzene	50	56		1	111	10	59-128	20	12/19/2009 1650
2-Hexanone	100	120		1	118	0.90	54-137	20	12/19/2009 1650
Isopropylbenzene	50	54		1	107	11	50-136	20	12/19/2009 1650
Methyl acetate	50	50		1	99	0.92	59-137	20	12/19/2009 1650
Methyl tertiary butyl ether (MTBE)	50	57		1	115	1.5	72-122	20	12/19/2009 1650
4-Methyl-2-pentanone	100	110		1	112	0.52	60-134	20	12/19/2009 1650
Methylcyclohexane	50	52		1	103	16	41-144	20	12/19/2009 1650
Methylene chloride	50	49		1	97	7.7	77-129	20	12/19/2009 1650
Styrene	50	53		1	106	7.0	54-136	20	12/19/2009 1650
1,1,2,2-Tetrachloroethane	50	58		1	115	2.3	69-132	20	12/19/2009 1650
Tetrachloroethene	50	53		1	106	11	70-130	20	12/19/2009 1650
Toluene	50	54		1	107	9.4	61-129	20	12/19/2009 1650
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	48		1	95	14	49-136	20	12/19/2009 1650
1,2,4-Trichlorobenzene	50	62		1	123	11	34-145	20	12/19/2009 1650
1,1,1-Trichloroethane	50	50		1	101	12	63-128	20	12/19/2009 1650
1,1,2-Trichloroethane	50	55		1	109	2.3	55-128	20	12/19/2009 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 ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: KQ23963-003

Matrix: Solid

Batch: 23963

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	12	62-126	20	12/19/2009 1650
Trichlorofluoromethane	50	48		1	96	16	45-138	20	12/19/2009 1650
Vinyl chloride	50	41	+	1	83	22	42-132	20	12/19/2009 1650
Xylenes (total)	100	100		1	105	9.3	58-128	20	12/19/2009 1650
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		125	47-138						
1,2-Dichloroethane-d4		96	53-142						
Toluene-d8		115	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: KQ24314-001

Matrix: Solid

Batch: 24314

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	12/23/2009 1621
Benzene	ND		1	5.0	1.1	ug/kg	12/23/2009 1621
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	12/23/2009 1621
Bromoform	ND		1	5.0	0.70	ug/kg	12/23/2009 1621
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	12/23/2009 1621
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	12/23/2009 1621
Carbon disulfide	ND		1	5.0	1.3	ug/kg	12/23/2009 1621
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	12/23/2009 1621
Chlorobenzene	ND		1	5.0	1.7	ug/kg	12/23/2009 1621
Chloroethane	ND		1	5.0	1.3	ug/kg	12/23/2009 1621
Chloroform	ND		1	5.0	0.83	ug/kg	12/23/2009 1621
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	12/23/2009 1621
Cyclohexane	ND		1	5.0	0.67	ug/kg	12/23/2009 1621
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	12/23/2009 1621
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	12/23/2009 1621
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	12/23/2009 1621
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/23/2009 1621
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/23/2009 1621
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/23/2009 1621
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	12/23/2009 1621
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	12/23/2009 1621
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	12/23/2009 1621
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	12/23/2009 1621
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	12/23/2009 1621
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	12/23/2009 1621
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	12/23/2009 1621
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	12/23/2009 1621
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	12/23/2009 1621
Ethylbenzene	ND		1	5.0	1.7	ug/kg	12/23/2009 1621
2-Hexanone	ND		1	10	1.3	ug/kg	12/23/2009 1621
Isopropylbenzene	ND		1	5.0	0.80	ug/kg	12/23/2009 1621
Methyl acetate	ND		1	5.0	0.67	ug/kg	12/23/2009 1621
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	12/23/2009 1621
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	12/23/2009 1621
Methylcyclohexane	ND		1	5.0	0.61	ug/kg	12/23/2009 1621
Methylene chloride	ND		1	5.0	2.6	ug/kg	12/23/2009 1621
Styrene	ND		1	5.0	1.1	ug/kg	12/23/2009 1621
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	12/23/2009 1621
Tetrachloroethene	ND		1	5.0	2.3	ug/kg	12/23/2009 1621
Toluene	ND		1	5.0	1.7	ug/kg	12/23/2009 1621
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	2.1	ug/kg	12/23/2009 1621
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	12/23/2009 1621
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	12/23/2009 1621
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	12/23/2009 1621

PQL = Practical quantitation limit

P = The RPD between 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: KQ24314-001

Matrix: Solid

Batch: 24314

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	12/23/2009 1621
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	12/23/2009 1621
Vinyl chloride	ND		1	5.0	0.86	ug/kg	12/23/2009 1621
Xylenes (total)	ND		1	5.0	2.9	ug/kg	12/23/2009 1621
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		91	47-138				
1,2-Dichloroethane-d4		78	53-142				
Toluene-d8		90	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: KQ24314-002

Matrix: Solid

Batch: 24314

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	133	42-149	12/23/2009 1510
Benzene	50	48		1	96	69-123	12/23/2009 1510
Bromodichloromethane	50	50		1	101	69-121	12/23/2009 1510
Bromoform	50	51		1	102	61-119	12/23/2009 1510
Bromomethane (Methyl bromide)	50	52		1	103	35-144	12/23/2009 1510
2-Butanone (MEK)	100	110		1	115	57-148	12/23/2009 1510
Carbon disulfide	50	50		1	100	58-122	12/23/2009 1510
Carbon tetrachloride	50	47		1	95	58-136	12/23/2009 1510
Chlorobenzene	50	51		1	102	59-129	12/23/2009 1510
Chloroethane	50	54		1	107	50-132	12/23/2009 1510
Chloroform	50	48		1	97	71-125	12/23/2009 1510
Chloromethane (Methyl chloride)	50	66		1	132	34-134	12/23/2009 1510
Cyclohexane	50	44		1	88	53-139	12/23/2009 1510
1,2-Dibromo-3-chloropropane (DBCP)	50	48		1	96	55-125	12/23/2009 1510
Dibromochloromethane	50	52		1	105	66-119	12/23/2009 1510
1,2-Dibromoethane (EDB)	50	52		1	104	74-124	12/23/2009 1510
1,4-Dichlorobenzene	50	52		1	105	52-133	12/23/2009 1510
1,3-Dichlorobenzene	50	54		1	108	51-134	12/23/2009 1510
1,2-Dichlorobenzene	50	51		1	102	57-131	12/23/2009 1510
Dichlorodifluoromethane	50	56		1	112	10-157	12/23/2009 1510
1,2-Dichloroethane	50	49		1	98	67-129	12/23/2009 1510
1,1-Dichloroethane	50	48		1	97	71-127	12/23/2009 1510
trans-1,2-Dichloroethene	50	48		1	97	68-131	12/23/2009 1510
cis-1,2-Dichloroethene	50	49		1	98	70-122	12/23/2009 1510
1,1-Dichloroethene	50	47		1	93	69-138	12/23/2009 1510
1,2-Dichloropropane	50	50		1	99	72-124	12/23/2009 1510
trans-1,3-Dichloropropene	50	53		1	105	70-124	12/23/2009 1510
cis-1,3-Dichloropropene	50	52		1	103	70-126	12/23/2009 1510
Ethylbenzene	50	53		1	106	59-128	12/23/2009 1510
2-Hexanone	100	100		1	100	54-137	12/23/2009 1510
Isopropylbenzene	50	56		1	111	50-136	12/23/2009 1510
Methyl acetate	50	54		1	107	59-137	12/23/2009 1510
Methyl tertiary butyl ether (MTBE)	50	50		1	99	72-122	12/23/2009 1510
4-Methyl-2-pentanone	100	96		1	96	60-134	12/23/2009 1510
Methylcyclohexane	50	51		1	102	41-144	12/23/2009 1510
Methylene chloride	50	47		1	94	77-129	12/23/2009 1510
Styrene	50	55		1	111	54-136	12/23/2009 1510
1,1,2,2-Tetrachloroethane	50	50		1	100	69-132	12/23/2009 1510
Tetrachloroethene	50	51		1	103	70-130	12/23/2009 1510
Toluene	50	51		1	102	61-129	12/23/2009 1510
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	44		1	88	49-136	12/23/2009 1510
1,2,4-Trichlorobenzene	50	56		1	113	34-145	12/23/2009 1510
1,1,2-Trichloroethane	50	50		1	99	55-128	12/23/2009 1510
1,1,1-Trichloroethane	50	46		1	93	63-128	12/23/2009 1510

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: KQ24314-002

Matrix: Solid

Batch: 24314

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	49		1	98	62-126	12/23/2009 1510
Trichlorofluoromethane	50	52		1	103	45-138	12/23/2009 1510
Vinyl chloride	50	60		1	119	42-132	12/23/2009 1510
Xylenes (total)	100	110		1	108	58-128	12/23/2009 1510
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		99	47-138				
1,2-Dichloroethane-d4		75	53-142				
Toluene-d8		90	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: KQ24314-003

Matrix: Solid

Batch: 24314

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	120		1	122	8.3	42-149	20	12/23/2009 1954
Benzene	50	53		1	106	9.8	69-123	20	12/23/2009 1954
Bromodichloromethane	50	53		1	105	4.1	69-121	20	12/23/2009 1954
Bromoform	50	51		1	102	0.047	61-119	20	12/23/2009 1954
Bromomethane (Methyl bromide)	50	60		1	121	16	35-144	20	12/23/2009 1954
2-Butanone (MEK)	100	110		1	113	1.9	57-148	20	12/23/2009 1954
Carbon disulfide	50	56		1	112	12	58-122	20	12/23/2009 1954
Carbon tetrachloride	50	52		1	103	8.9	58-136	20	12/23/2009 1954
Chlorobenzene	50	54		1	108	5.9	59-129	20	12/23/2009 1954
Chloroethane	50	60		1	120	11	50-132	20	12/23/2009 1954
Chloroform	50	52		1	103	6.8	71-125	20	12/23/2009 1954
Chloromethane (Methyl chloride)	50	80	N	1	160	20	34-134	20	12/23/2009 1954
Cyclohexane	50	51		1	101	14	53-139	20	12/23/2009 1954
1,2-Dibromo-3-chloropropane (DBCP)	50	46		1	91	5.2	55-125	20	12/23/2009 1954
Dibromochloromethane	50	53		1	106	1.3	66-119	20	12/23/2009 1954
1,2-Dibromoethane (EDB)	50	52		1	105	0.88	74-124	20	12/23/2009 1954
1,4-Dichlorobenzene	50	54		1	108	2.6	52-133	20	12/23/2009 1954
1,3-Dichlorobenzene	50	55		1	110	1.8	51-134	20	12/23/2009 1954
1,2-Dichlorobenzene	50	51		1	102	0.94	57-131	20	12/23/2009 1954
Dichlorodifluoromethane	50	65		1	130	15	10-157	20	12/23/2009 1954
1,2-Dichloroethane	50	51		1	101	3.6	67-129	20	12/23/2009 1954
1,1-Dichloroethane	50	52		1	105	7.9	71-127	20	12/23/2009 1954
trans-1,2-Dichloroethene	50	53		1	106	9.0	68-131	20	12/23/2009 1954
cis-1,2-Dichloroethene	50	52		1	104	5.9	70-122	20	12/23/2009 1954
1,1-Dichloroethene	50	52		1	104	11	69-138	20	12/23/2009 1954
1,2-Dichloropropane	50	53		1	106	6.9	72-124	20	12/23/2009 1954
trans-1,3-Dichloropropene	50	52		1	105	0.52	70-124	20	12/23/2009 1954
cis-1,3-Dichloropropene	50	53		1	105	1.7	70-126	20	12/23/2009 1954
Ethylbenzene	50	57		1	113	6.9	59-128	20	12/23/2009 1954
2-Hexanone	100	94		1	94	6.1	54-137	20	12/23/2009 1954
Isopropylbenzene	50	60		1	120	7.5	50-136	20	12/23/2009 1954
Methyl acetate	50	55		1	110	2.6	59-137	20	12/23/2009 1954
Methyl tertiary butyl ether (MTBE)	50	50		1	99	0.038	72-122	20	12/23/2009 1954
4-Methyl-2-pentanone	100	97		1	97	0.90	60-134	20	12/23/2009 1954
Methylcyclohexane	50	58		1	116	13	41-144	20	12/23/2009 1954
Methylene chloride	50	49		1	98	4.6	77-129	20	12/23/2009 1954
Styrene	50	58		1	116	4.9	54-136	20	12/23/2009 1954
1,1,2,2-Tetrachloroethane	50	51		1	101	0.77	69-132	20	12/23/2009 1954
Tetrachloroethene	50	56		1	112	8.3	70-130	20	12/23/2009 1954
Toluene	50	55		1	110	7.1	61-129	20	12/23/2009 1954
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	50		1	100	13	49-136	20	12/23/2009 1954
1,2,4-Trichlorobenzene	50	52		1	104	8.2	34-145	20	12/23/2009 1954
1,1,2-Trichloroethane	50	52		1	103	3.7	55-128	20	12/23/2009 1954
1,1,1-Trichloroethane	50	52		1	103	11	63-128	20	12/23/2009 1954

PQL = Practical quantitation limit

P = The RPD between 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: KQ24314-003

Matrix: Solid

Batch: 24314

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	52		1	105	7.0	62-126	20	12/23/2009 1954
Trichlorofluoromethane	50	59		1	118	13	45-138	20	12/23/2009 1954
Vinyl chloride	50	72	N	1	143	18	42-132	20	12/23/2009 1954
Xylenes (total)	100	110		1	115	6.3	58-128	20	12/23/2009 1954
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		99	47-138						
1,2-Dichloroethane-d4		77	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 $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: KQ24321-001

Matrix: Solid

Batch: 24321

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		50	1000	340	ug/kg	12/23/2009 2237
Benzene	ND		50	250	55	ug/kg	12/23/2009 2237
Bromodichloromethane	ND		50	250	85	ug/kg	12/23/2009 2237
Bromoform	ND		50	250	35	ug/kg	12/23/2009 2237
Bromomethane (Methyl bromide)	ND		50	250	90	ug/kg	12/23/2009 2237
2-Butanone (MEK)	ND		50	500	120	ug/kg	12/23/2009 2237
Carbon disulfide	ND		50	250	65	ug/kg	12/23/2009 2237
Carbon tetrachloride	ND		50	250	90	ug/kg	12/23/2009 2237
Chlorobenzene	ND		50	250	85	ug/kg	12/23/2009 2237
Chloroethane	ND		50	250	65	ug/kg	12/23/2009 2237
Chloroform	ND		50	250	42	ug/kg	12/23/2009 2237
Chloromethane (Methyl chloride)	ND		50	250	50	ug/kg	12/23/2009 2237
Cyclohexane	ND		50	250	34	ug/kg	12/23/2009 2237
1,2-Dibromo-3-chloropropane (DBCP)	ND		50	250	75	ug/kg	12/23/2009 2237
Dibromochloromethane	ND		50	250	85	ug/kg	12/23/2009 2237
1,2-Dibromoethane (EDB)	ND		50	250	43	ug/kg	12/23/2009 2237
1,3-Dichlorobenzene	ND		50	250	85	ug/kg	12/23/2009 2237
1,2-Dichlorobenzene	ND		50	250	85	ug/kg	12/23/2009 2237
1,4-Dichlorobenzene	ND		50	250	85	ug/kg	12/23/2009 2237
Dichlorodifluoromethane	ND		50	250	80	ug/kg	12/23/2009 2237
1,1-Dichloroethane	ND		50	250	37	ug/kg	12/23/2009 2237
1,2-Dichloroethane	ND		50	250	50	ug/kg	12/23/2009 2237
1,1-Dichloroethene	ND		50	250	85	ug/kg	12/23/2009 2237
cis-1,2-Dichloroethene	ND		50	250	38	ug/kg	12/23/2009 2237
trans-1,2-Dichloroethene	ND		50	250	75	ug/kg	12/23/2009 2237
1,2-Dichloropropane	ND		50	250	46	ug/kg	12/23/2009 2237
cis-1,3-Dichloropropene	ND		50	250	34	ug/kg	12/23/2009 2237
trans-1,3-Dichloropropene	ND		50	250	41	ug/kg	12/23/2009 2237
Ethylbenzene	ND		50	250	85	ug/kg	12/23/2009 2237
2-Hexanone	ND		50	500	65	ug/kg	12/23/2009 2237
Isopropylbenzene	ND		50	250	40	ug/kg	12/23/2009 2237
Methyl acetate	ND		50	250	34	ug/kg	12/23/2009 2237
Methyl tertiary butyl ether (MTBE)	ND		50	250	20	ug/kg	12/23/2009 2237
4-Methyl-2-pentanone	ND		50	500	75	ug/kg	12/23/2009 2237
Methylcyclohexane	ND		50	250	31	ug/kg	12/23/2009 2237
Methylene chloride	ND		50	250	130	ug/kg	12/23/2009 2237
Styrene	ND		50	250	55	ug/kg	12/23/2009 2237
1,1,2,2-Tetrachloroethane	ND		50	250	24	ug/kg	12/23/2009 2237
Tetrachloroethene	ND		50	250	110	ug/kg	12/23/2009 2237
Toluene	ND		50	250	85	ug/kg	12/23/2009 2237
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		50	250	110	ug/kg	12/23/2009 2237
1,2,4-Trichlorobenzene	ND		50	250	85	ug/kg	12/23/2009 2237
1,1,2-Trichloroethane	ND		50	250	40	ug/kg	12/23/2009 2237
1,1,1-Trichloroethane	ND		50	250	43	ug/kg	12/23/2009 2237

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: KQ24321-001

Matrix: Solid

Batch: 24321

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		50	250	95	ug/kg	12/23/2009 2237
Trichlorofluoromethane	ND		50	250	75	ug/kg	12/23/2009 2237
Vinyl chloride	ND		50	250	43	ug/kg	12/23/2009 2237
Xylenes (total)	ND		50	250	150	ug/kg	12/23/2009 2237
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		55	47-138				
1,2-Dichloroethane-d4		60	53-142				
Toluene-d8	N	62	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: KQ24321-002

Matrix: Solid

Batch: 24321

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	2000	1200		50	61	42-149	12/23/2009 2300
Benzene	1000	790		50	79	69-123	12/23/2009 2300
Bromodichloromethane	1000	740		50	74	69-121	12/23/2009 2300
Bromoform	1000	610		50	61	61-119	12/23/2009 2300
Bromomethane (Methyl bromide)	1000	640		50	64	35-144	12/23/2009 2300
2-Butanone (MEK)	2000	1300		50	63	57-148	12/23/2009 2300
Carbon disulfide	1000	760		50	76	58-122	12/23/2009 2300
Carbon tetrachloride	1000	740		50	74	58-136	12/23/2009 2300
Chlorobenzene	1000	790		50	79	59-129	12/23/2009 2300
Chloroethane	1000	650		50	65	50-132	12/23/2009 2300
Chloroform	1000	790		50	79	71-125	12/23/2009 2300
Chloromethane (Methyl chloride)	1000	830		50	83	34-134	12/23/2009 2300
Cyclohexane	1000	780		50	78	53-139	12/23/2009 2300
1,2-Dibromo-3-chloropropane (DBCP)	1000	520	N	50	52	55-125	12/23/2009 2300
Dibromochloromethane	1000	710		50	71	66-119	12/23/2009 2300
1,2-Dibromoethane (EDB)	1000	730	N	50	73	74-124	12/23/2009 2300
1,3-Dichlorobenzene	1000	740		50	74	51-134	12/23/2009 2300
1,2-Dichlorobenzene	1000	730		50	73	57-131	12/23/2009 2300
1,4-Dichlorobenzene	1000	740		50	74	52-133	12/23/2009 2300
Dichlorodifluoromethane	1000	650		50	65	10-157	12/23/2009 2300
1,1-Dichloroethane	1000	810		50	81	71-127	12/23/2009 2300
1,2-Dichloroethane	1000	780		50	78	67-129	12/23/2009 2300
1,1-Dichloroethene	1000	770		50	77	69-138	12/23/2009 2300
cis-1,2-Dichloroethene	1000	790		50	79	70-122	12/23/2009 2300
trans-1,2-Dichloroethene	1000	780		50	78	68-131	12/23/2009 2300
1,2-Dichloropropane	1000	780		50	78	72-124	12/23/2009 2300
cis-1,3-Dichloropropene	1000	750		50	75	70-126	12/23/2009 2300
trans-1,3-Dichloropropene	1000	740		50	74	70-124	12/23/2009 2300
Ethylbenzene	1000	790		50	79	59-128	12/23/2009 2300
2-Hexanone	2000	1100		50	57	54-137	12/23/2009 2300
Isopropylbenzene	1000	820		50	82	50-136	12/23/2009 2300
Methyl acetate	1000	1100		50	111	59-137	12/23/2009 2300
Methyl tertiary butyl ether (MTBE)	1000	800		50	80	72-122	12/23/2009 2300
4-Methyl-2-pentanone	2000	1100	N	50	54	60-134	12/23/2009 2300
Methylcyclohexane	1000	810		50	81	41-144	12/23/2009 2300
Methylene chloride	1000	830		50	83	77-129	12/23/2009 2300
Styrene	1000	780		50	78	54-136	12/23/2009 2300
1,1,2,2-Tetrachloroethane	1000	420	N	50	42	69-132	12/23/2009 2300
Tetrachloroethene	1000	770		50	77	70-130	12/23/2009 2300
Toluene	1000	790		50	79	61-129	12/23/2009 2300
1,1,2-Trichloro-1,2,2-Trifluoroethane	1000	720		50	72	49-136	12/23/2009 2300
1,2,4-Trichlorobenzene	1000	490		50	49	34-145	12/23/2009 2300
1,1,2-Trichloroethane	1000	780		50	78	55-128	12/23/2009 2300
1,1,1-Trichloroethane	1000	770		50	77	63-128	12/23/2009 2300

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: KQ24321-002

Matrix: Solid

Batch: 24321

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	1000	760		50	76	62-126	12/23/2009 2300
Trichlorofluoromethane	1000	840		50	84	45-138	12/23/2009 2300
Vinyl chloride	1000	850		50	85	42-132	12/23/2009 2300
Xylenes (total)	2000	1600		50	79	58-128	12/23/2009 2300
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		60	47-138				
1,2-Dichloroethane-d4		62	53-142				
Toluene-d8	N	64	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: KQ24321-003

Batch: 24321

Analytical Method: 8260B

Matrix: Solid

Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	2000	1400		50	68	11	42-149	20	12/23/2009 2323
Benzene	1000	770		50	77	2.4	69-123	20	12/23/2009 2323
Bromodichloromethane	1000	730		50	73	1.5	69-121	20	12/23/2009 2323
Bromoform	1000	600	N	50	60	1.3	61-119	20	12/23/2009 2323
Bromomethane (Methyl bromide)	1000	610		50	61	4.3	35-144	20	12/23/2009 2323
2-Butanone (MEK)	2000	1300		50	63	0.52	57-148	20	12/23/2009 2323
Carbon disulfide	1000	760		50	76	1.2	58-122	20	12/23/2009 2323
Carbon tetrachloride	1000	730		50	73	1.2	58-136	20	12/23/2009 2323
Chlorobenzene	1000	780		50	78	0.94	59-129	20	12/23/2009 2323
Chloroethane	1000	620		50	62	5.7	50-132	20	12/23/2009 2323
Chloroform	1000	770		50	77	2.0	71-125	20	12/23/2009 2323
Chloromethane (Methyl chloride)	1000	740		50	74	12	34-134	20	12/23/2009 2323
Cyclohexane	1000	770		50	77	2.1	53-139	20	12/23/2009 2323
1,2-Dibromo-3-chloropropane (DBCP)	1000	560		50	56	8.1	55-125	20	12/23/2009 2323
Dibromochloromethane	1000	690		50	69	3.7	66-119	20	12/23/2009 2323
1,2-Dibromoethane (EDB)	1000	710	N	50	71	2.8	74-124	20	12/23/2009 2323
1,3-Dichlorobenzene	1000	760		50	76	2.5	51-134	20	12/23/2009 2323
1,2-Dichlorobenzene	1000	740		50	74	0.72	57-131	20	12/23/2009 2323
1,4-Dichlorobenzene	1000	750		50	75	0.29	52-133	20	12/23/2009 2323
Dichlorodifluoromethane	1000	630		50	63	3.2	10-157	20	12/23/2009 2323
1,1-Dichloroethane	1000	780		50	78	3.9	71-127	20	12/23/2009 2323
1,2-Dichloroethane	1000	740		50	74	4.8	67-129	20	12/23/2009 2323
1,1-Dichloroethene	1000	760		50	76	2.1	69-138	20	12/23/2009 2323
cis-1,2-Dichloroethene	1000	780		50	78	0.83	70-122	20	12/23/2009 2323
trans-1,2-Dichloroethene	1000	770		50	77	1.8	68-131	20	12/23/2009 2323
1,2-Dichloropropane	1000	760		50	76	2.7	72-124	20	12/23/2009 2323
cis-1,3-Dichloropropene	1000	720		50	72	3.9	70-126	20	12/23/2009 2323
trans-1,3-Dichloropropene	1000	720		50	72	2.3	70-124	20	12/23/2009 2323
Ethylbenzene	1000	790		50	79	0.066	59-128	20	12/23/2009 2323
2-Hexanone	2000	1100		50	57	0.24	54-137	20	12/23/2009 2323
Isopropylbenzene	1000	820		50	82	0.63	50-136	20	12/23/2009 2323
Methyl acetate	1000	910		50	91	20	59-137	20	12/23/2009 2323
Methyl tertiary butyl ether (MTBE)	1000	750		50	75	6.4	72-122	20	12/23/2009 2323
4-Methyl-2-pentanone	2000	1100	N	50	56	3.1	60-134	20	12/23/2009 2323
Methylcyclohexane	1000	810		50	81	0.88	41-144	20	12/23/2009 2323
Methylene chloride	1000	790		50	79	4.4	77-129	20	12/23/2009 2323
Styrene	1000	760		50	76	1.8	54-136	20	12/23/2009 2323
1,1,2,2-Tetrachloroethane	1000	410	N	50	41	2.6	69-132	20	12/23/2009 2323
Tetrachloroethene	1000	780		50	78	2.0	70-130	20	12/23/2009 2323
Toluene	1000	790		50	79	0.46	61-129	20	12/23/2009 2323
1,1,2-Trichloro-1,2,2-Trifluoroethane	1000	730		50	73	0.46	49-136	20	12/23/2009 2323
1,2,4-Trichlorobenzene	1000	540		50	54	11	34-145	20	12/23/2009 2323
1,1,2-Trichloroethane	1000	750		50	75	3.2	55-128	20	12/23/2009 2323
1,1,1-Trichloroethane	1000	740		50	74	3.3	63-128	20	12/23/2009 2323

PQL = Practical quantitation limit

P = The RPD between 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: KQ24321-003

Matrix: Solid

Batch: 24321

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	1000	740		50	74	2.7	62-126	20	12/23/2009 2323
Trichlorofluoromethane	1000	820		50	82	2.3	45-138	20	12/23/2009 2323
Vinyl chloride	1000	830		50	83	1.7	42-132	20	12/23/2009 2323
Xylenes (total)	2000	1600		50	80	0.12	58-128	20	12/23/2009 2323
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		59	47-138						
1,2-Dichloroethane-d4		60	53-142						
Toluene-d8	N	63	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: LQ24685-001

Matrix: Solid

Batch: 24685

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		50	1000	340	ug/kg	12/23/2009 2237
Benzene	ND		50	250	55	ug/kg	12/23/2009 2237
Bromodichloromethane	ND		50	250	85	ug/kg	12/23/2009 2237
Bromoform	ND		50	250	35	ug/kg	12/23/2009 2237
Bromomethane (Methyl bromide)	ND		50	250	90	ug/kg	12/23/2009 2237
2-Butanone (MEK)	ND		50	500	120	ug/kg	12/23/2009 2237
Carbon disulfide	ND		50	250	65	ug/kg	12/23/2009 2237
Carbon tetrachloride	ND		50	250	90	ug/kg	12/23/2009 2237
Chlorobenzene	ND		50	250	85	ug/kg	12/23/2009 2237
Chloroethane	ND		50	250	65	ug/kg	12/23/2009 2237
Chloroform	ND		50	250	42	ug/kg	12/23/2009 2237
Chloromethane (Methyl chloride)	ND		50	250	50	ug/kg	12/23/2009 2237
Cyclohexane	ND		50	250	34	ug/kg	12/23/2009 2237
1,2-Dibromo-3-chloropropane (DBCP)	ND		50	250	75	ug/kg	12/23/2009 2237
Dibromochloromethane	ND		50	250	85	ug/kg	12/23/2009 2237
1,2-Dibromoethane (EDB)	ND		50	250	43	ug/kg	12/23/2009 2237
1,4-Dichlorobenzene	ND		50	250	85	ug/kg	12/23/2009 2237
1,3-Dichlorobenzene	ND		50	250	85	ug/kg	12/23/2009 2237
1,2-Dichlorobenzene	ND		50	250	85	ug/kg	12/23/2009 2237
Dichlorodifluoromethane	ND		50	250	80	ug/kg	12/23/2009 2237
1,2-Dichloroethane	ND		50	250	50	ug/kg	12/23/2009 2237
1,1-Dichloroethane	ND		50	250	37	ug/kg	12/23/2009 2237
trans-1,2-Dichloroethene	ND		50	250	75	ug/kg	12/23/2009 2237
cis-1,2-Dichloroethene	ND		50	250	38	ug/kg	12/23/2009 2237
1,1-Dichloroethene	ND		50	250	85	ug/kg	12/23/2009 2237
1,2-Dichloropropane	ND		50	250	46	ug/kg	12/23/2009 2237
trans-1,3-Dichloropropene	ND		50	250	41	ug/kg	12/23/2009 2237
cis-1,3-Dichloropropene	ND		50	250	34	ug/kg	12/23/2009 2237
Ethylbenzene	ND		50	250	85	ug/kg	12/23/2009 2237
2-Hexanone	ND		50	500	65	ug/kg	12/23/2009 2237
Isopropylbenzene	ND		50	250	40	ug/kg	12/23/2009 2237
Methyl acetate	ND		50	250	34	ug/kg	12/23/2009 2237
Methyl tertiary butyl ether (MTBE)	ND		50	250	20	ug/kg	12/23/2009 2237
4-Methyl-2-pentanone	ND		50	500	75	ug/kg	12/23/2009 2237
Methylcyclohexane	ND		50	250	31	ug/kg	12/23/2009 2237
Methylene chloride	ND		50	250	130	ug/kg	12/23/2009 2237
Styrene	ND		50	250	55	ug/kg	12/23/2009 2237
1,1,2,2-Tetrachloroethane	ND		50	250	24	ug/kg	12/23/2009 2237
Tetrachloroethene	ND		50	250	110	ug/kg	12/23/2009 2237
Toluene	ND		50	250	85	ug/kg	12/23/2009 2237
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		50	250	110	ug/kg	12/23/2009 2237
1,2,4-Trichlorobenzene	ND		50	250	85	ug/kg	12/23/2009 2237
1,1,2-Trichloroethane	ND		50	250	40	ug/kg	12/23/2009 2237
1,1,1-Trichloroethane	ND		50	250	43	ug/kg	12/23/2009 2237

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LQ24685-001

Matrix: Solid

Batch: 24685

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		50	250	95	ug/kg	12/23/2009 2237
Trichlorofluoromethane	ND		50	250	75	ug/kg	12/23/2009 2237
Vinyl chloride	ND		50	250	43	ug/kg	12/23/2009 2237
Xylenes (total)	ND		50	250	150	ug/kg	12/23/2009 2237
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		72	47-138				
1,2-Dichloroethane-d4		77	53-142				
Toluene-d8		81	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: LQ24685-002

Matrix: Solid

Batch: 24685

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	2000	1200		50	61	42-149	12/23/2009 2300
Benzene	1000	790		50	79	69-123	12/23/2009 2300
Bromodichloromethane	1000	740		50	74	69-121	12/23/2009 2300
Bromoform	1000	610		50	61	61-119	12/23/2009 2300
Bromomethane (Methyl bromide)	1000	640		50	64	35-144	12/23/2009 2300
2-Butanone (MEK)	2000	1300		50	63	57-148	12/23/2009 2300
Carbon disulfide	1000	760		50	76	58-122	12/23/2009 2300
Carbon tetrachloride	1000	740		50	74	58-136	12/23/2009 2300
Chlorobenzene	1000	790		50	79	59-129	12/23/2009 2300
Chloroethane	1000	650		50	65	50-132	12/23/2009 2300
Chloroform	1000	790		50	79	71-125	12/23/2009 2300
Chloromethane (Methyl chloride)	1000	830		50	83	34-134	12/23/2009 2300
Cyclohexane	1000	780		50	78	53-139	12/23/2009 2300
1,2-Dibromo-3-chloropropane (DBCP)	1000	520	N	50	52	55-125	12/23/2009 2300
Dibromochloromethane	1000	710		50	71	66-119	12/23/2009 2300
1,2-Dibromoethane (EDB)	1000	730	N	50	73	74-124	12/23/2009 2300
1,4-Dichlorobenzene	1000	740		50	74	52-133	12/23/2009 2300
1,3-Dichlorobenzene	1000	740		50	74	51-134	12/23/2009 2300
1,2-Dichlorobenzene	1000	730		50	73	57-131	12/23/2009 2300
Dichlorodifluoromethane	1000	650		50	65	10-157	12/23/2009 2300
1,2-Dichloroethane	1000	780		50	78	67-129	12/23/2009 2300
1,1-Dichloroethane	1000	810		50	81	71-127	12/23/2009 2300
trans-1,2-Dichloroethene	1000	780		50	78	68-131	12/23/2009 2300
cis-1,2-Dichloroethene	1000	790		50	79	70-122	12/23/2009 2300
1,1-Dichloroethene	1000	770		50	77	69-138	12/23/2009 2300
1,2-Dichloropropane	1000	780		50	78	72-124	12/23/2009 2300
trans-1,3-Dichloropropene	1000	740		50	74	70-124	12/23/2009 2300
cis-1,3-Dichloropropene	1000	750		50	75	70-126	12/23/2009 2300
Ethylbenzene	1000	790		50	79	59-128	12/23/2009 2300
2-Hexanone	2000	1100		50	57	54-137	12/23/2009 2300
Isopropylbenzene	1000	820		50	82	50-136	12/23/2009 2300
Methyl acetate	1000	1100		50	111	59-137	12/23/2009 2300
Methyl tertiary butyl ether (MTBE)	1000	800		50	80	72-122	12/23/2009 2300
4-Methyl-2-pentanone	2000	1100	N	50	54	60-134	12/23/2009 2300
Methylcyclohexane	1000	810		50	81	41-144	12/23/2009 2300
Methylene chloride	1000	830		50	83	77-129	12/23/2009 2300
Styrene	1000	780		50	78	54-136	12/23/2009 2300
1,1,2,2-Tetrachloroethane	1000	420	N	50	42	69-132	12/23/2009 2300
Tetrachloroethene	1000	770		50	77	70-130	12/23/2009 2300
Toluene	1000	790		50	79	61-129	12/23/2009 2300
1,1,2-Trichloro-1,2,2-Trifluoroethane	1000	720		50	72	49-136	12/23/2009 2300
1,2,4-Trichlorobenzene	1000	490		50	49	34-145	12/23/2009 2300
1,1,2-Trichloroethane	1000	780		50	78	55-128	12/23/2009 2300
1,1,1-Trichloroethane	1000	770		50	77	63-128	12/23/2009 2300

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LQ24685-002

Matrix: Solid

Batch: 24685

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	1000	760		50	76	62-126	12/23/2009 2300
Trichlorofluoromethane	1000	840		50	84	45-138	12/23/2009 2300
Vinyl chloride	1000	850		50	85	42-132	12/23/2009 2300
Xylenes (total)	2000	1600		50	79	58-128	12/23/2009 2300
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		78	47-138				
1,2-Dichloroethane-d4		81	53-142				
Toluene-d8		84	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: LQ24685-003

Matrix: Solid

Batch: 24685

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	2000	1400		50	68	11	42-149	20	12/23/2009 2323
Benzene	1000	770		50	77	2.4	69-123	20	12/23/2009 2323
Bromodichloromethane	1000	730		50	73	1.5	69-121	20	12/23/2009 2323
Bromoform	1000	600	N	50	60	1.3	61-119	20	12/23/2009 2323
Bromomethane (Methyl bromide)	1000	610		50	61	4.3	35-144	20	12/23/2009 2323
2-Butanone (MEK)	2000	1300		50	63	0.52	57-148	20	12/23/2009 2323
Carbon disulfide	1000	760		50	76	1.2	58-122	20	12/23/2009 2323
Carbon tetrachloride	1000	730		50	73	1.2	58-136	20	12/23/2009 2323
Chlorobenzene	1000	780		50	78	0.94	59-129	20	12/23/2009 2323
Chloroethane	1000	620		50	62	5.7	50-132	20	12/23/2009 2323
Chloroform	1000	770		50	77	2.0	71-125	20	12/23/2009 2323
Chloromethane (Methyl chloride)	1000	740		50	74	12	34-134	20	12/23/2009 2323
Cyclohexane	1000	770		50	77	2.1	53-139	20	12/23/2009 2323
1,2-Dibromo-3-chloropropane (DBCP)	1000	560		50	56	8.1	55-125	20	12/23/2009 2323
Dibromochloromethane	1000	690		50	69	3.7	66-119	20	12/23/2009 2323
1,2-Dibromoethane (EDB)	1000	710	N	50	71	2.8	74-124	20	12/23/2009 2323
1,4-Dichlorobenzene	1000	750		50	75	0.29	52-133	20	12/23/2009 2323
1,3-Dichlorobenzene	1000	760		50	76	2.5	51-134	20	12/23/2009 2323
1,2-Dichlorobenzene	1000	740		50	74	0.72	57-131	20	12/23/2009 2323
Dichlorodifluoromethane	1000	630		50	63	3.2	10-157	20	12/23/2009 2323
1,2-Dichloroethane	1000	740		50	74	4.8	67-129	20	12/23/2009 2323
1,1-Dichloroethane	1000	780		50	78	3.9	71-127	20	12/23/2009 2323
trans-1,2-Dichloroethene	1000	770		50	77	1.8	68-131	20	12/23/2009 2323
cis-1,2-Dichloroethene	1000	780		50	78	0.83	70-122	20	12/23/2009 2323
1,1-Dichloroethene	1000	760		50	76	2.1	69-138	20	12/23/2009 2323
1,2-Dichloropropane	1000	760		50	76	2.7	72-124	20	12/23/2009 2323
trans-1,3-Dichloropropene	1000	720		50	72	2.3	70-124	20	12/23/2009 2323
cis-1,3-Dichloropropene	1000	720		50	72	3.9	70-126	20	12/23/2009 2323
Ethylbenzene	1000	790		50	79	0.066	59-128	20	12/23/2009 2323
2-Hexanone	2000	1100		50	57	0.24	54-137	20	12/23/2009 2323
Isopropylbenzene	1000	820		50	82	0.63	50-136	20	12/23/2009 2323
Methyl acetate	1000	910		50	91	20	59-137	20	12/23/2009 2323
Methyl tertiary butyl ether (MTBE)	1000	750		50	75	6.4	72-122	20	12/23/2009 2323
4-Methyl-2-pentanone	2000	1100	N	50	56	3.1	60-134	20	12/23/2009 2323
Methylcyclohexane	1000	810		50	81	0.88	41-144	20	12/23/2009 2323
Methylene chloride	1000	790		50	79	4.4	77-129	20	12/23/2009 2323
Styrene	1000	760		50	76	1.8	54-136	20	12/23/2009 2323
1,1,2,2-Tetrachloroethane	1000	410	N	50	41	2.6	69-132	20	12/23/2009 2323
Tetrachloroethene	1000	780		50	78	2.0	70-130	20	12/23/2009 2323
Toluene	1000	790		50	79	0.46	61-129	20	12/23/2009 2323
1,1,2-Trichloro-1,2,2-Trifluoroethane	1000	730		50	73	0.46	49-136	20	12/23/2009 2323
1,2,4-Trichlorobenzene	1000	540		50	54	11	34-145	20	12/23/2009 2323
1,1,2-Trichloroethane	1000	750		50	75	3.2	55-128	20	12/23/2009 2323
1,1,1-Trichloroethane	1000	740		50	74	3.3	63-128	20	12/23/2009 2323

PQL = Practical quantitation limit

P = The RPD between 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: LQ24685-003

Matrix: Solid

Batch: 24685

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	1000	740		50	74	2.7	62-126	20	12/23/2009 2323
Trichlorofluoromethane	1000	820		50	82	2.3	45-138	20	12/23/2009 2323
Vinyl chloride	1000	830		50	83	1.7	42-132	20	12/23/2009 2323
Xylenes (total)	2000	1600		50	80	0.12	58-128	20	12/23/2009 2323
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		77	47-138						
1,2-Dichloroethane-d4		78	53-142						
Toluene-d8		81	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



SHEALY ENVIRONMENTAL SERVICES, INC.

106 Vantage Point Drive

West Columbia, South Carolina 29172

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

Chain of Custody Record

Number 101501

Client Arcadis	Report to Contact Scott Harrison	Telephone No. / Fax No. / E-mail 919-854-1282 / sc.h.boston@arcadis.com	Quote No. 11954
Address 801 Corporate Center Dr. #300	Sampler's Signature <i>[Signature]</i>	Waybill No. 45.01	Page 1 of 3
City Raleigh	Printed Name Josh Frazzelli	Analysis (Attach list if more space is needed.)	
State NC			
Zip Code 27607			
Project Name H4A-17			
Project No. G-P08 HAFS-H17B-DG0F1			
Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	No. of Containers by Preservation Type
			SCS K1
			MACM
			IN
			PHOS
			Chlorine
			Other
			Amount
			Remarks / Cooler I.D.
H17-AF61 (120909)-(22-23)	12-9-09	1015	5
H17-AF61 (120909)-(36-37)	12-9-09	1115	5
H17-AF61 (120909)-(41-42)	12-9-09	1120	5
H17-AF61 (120909)-(48-49)	12-9-09	1125	5
H17-AF101 (121009)-(24-25)	12-10-09	1020	5
H17-AF101 (121009)-(34-35)	12-10-09	1028	5
H17-PF2 (121009)-(34-35)	12-10-09	1510	5
H17-PF2 (121009)-(44-45)	12-10-09	1515	5
H17-PF3 (121109)-(2-3)	12-11-09	0810	5
H17-PF3 (121109)-(6-7)	12-11-09	0835	5
Note: All samples are retained for six weeks from receipt unless other arrangements are made.			
Sample Disposal: ☐ Return to Client ☒ Disposal by Lab			
SC Requirements (Specify)			
1. Received by	Date	Time	
2. Received by	Date	Time	
3. Laboratory received by	Date	Time	
LAB USE ONLY	Date	Time	
Received on ice (Circle) ☒ Yes ☐ No	Receipt Temp.	5.2 °C	

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Samplers; PINK-Field Client Copy

Document Number: FAD-012 Effective Date: 08/04/07



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 101502

Client Aradix	Report to Contact Scott Bostrom	Telephone No. / Fax No. / Email 919-854-1282 / scott.bostrom@aradix-usa.com	Quote No.
Address 801 Corporate Center Dr. #300	Sampler's Signature <i>[Signature]</i>	Waybill No.	Page 2 of 3
City Raleigh	Printed Name Josh Frizzell	Analysis (Attach list if more space is needed.)	
State NC			
Zip Code 27607			
Project Name HAA-17			
Project No. G-08HAPS.H17B.DG-0FI			
Sample ID / Description (Containers for each sample may be combined on one line.)			
	Date	Time	
H17-PF1 (121109)-(6-7)	12-11-09	1015	
H17-PF1 (121109)-(34-35)	12-11-09	1030	
H17-PF1 (121109)-(44-45)	12-11-09	1035	
JDF 12-11-09			
8260 VGS			
KL 13004			
Remarks / Cooler ID			

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.	
Turn Around Time Required (Prior lab approval required for expedited TAT) ☒ Standard ☐ Rush (Specify)	QC Requirements (Specify)	1. Received by	Time
1. Relinquished by <i>[Signature]</i>		Date	12-11-09
2. Relinquished by		Time	1500
3. Relinquished by		Date	
3. Relinquished by FEDEx		Date	12/12/09
Comments LAB USE ONLY		Time	1030
Received on Ion (Circle) ☒ Yes ☐ No ☐ Pack		Date	12/12/09
		Time	1030
		Receipt Temp.	5.2 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK Field/Client Copy

Document Number F-AU-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: DMP / 12/13/09 Lot #: KL13004

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>5.22</u> °C <u> </u> °C <u> </u> °C <u> </u> °C <u> </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: <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.)?	
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) <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/pest/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 ☐

SESI employee:

Comments:

Did client respond: Yes ☐ No ☐

Date of response:

Report of Analysis

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

Project Name: HAA-17

Project Number: GP08HAFS.H17B.DG0F1

Lot Number: KL16030

Date Completed: 01/04/2010



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.

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SHEALY ENVIRONMENTAL SERVICES, INC.

SC DHEC No: 32010

NELAC No: E87653

NC DEHNR No: 329

Case Narrative ARCADIS U.S., Inc. Lot Number: KL16030

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.

Volatile Organic Compounds

Sample -015: The initial run of this sample had an internal standard failure. The sample was reanalyzed outside the holding time. Both runs are reported.

The RPD for Vinyl chloride exceeded method control limits in batch 23963; however, all other QA/QC criteria for the LCS/LCSD were within acceptance criteria and method control limits. The associated sample results were reported and no corrective action was required.

The LCSD recovery for 1,2-Dibromo-3-chloropropane (DBCP) was outside method control limits in batch 24386. The LCS results were within limits. Therefore the associated sample results were reported and no corrective action was required.

The LCS/LCSD recovery for Dichlorodifluoromethane was slightly above method control limits in batch 24397. 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 RPD for Acetone exceeded method control limits in batch 24457; however, all other QA/QC criteria for the LCS/LCSD were within acceptance criteria and method control limits. The associated sample results were reported and no corrective action was required.

SHEALY ENVIRONMENTAL SERVICES, INC.

Sample Summary ARCADIS U.S., Inc. Lot Number: KL16030

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	H17-PF4 (121409)-(34-35)	Solid	12/14/2009 0930	12/16/2009
002	H17-PF4(121409)-(44-45)	Solid	12/14/2009 0935	12/16/2009
003	H17-FD3 (121409)-(34-35)	Solid	12/14/2009 1415	12/16/2009
004	H17-FD3 (121409)-(44-45)	Solid	12/14/2009 1420	12/16/2009
005	H17-FD1 (121409)-(34-35)	Solid	12/14/2009 1100	12/16/2009
006	H17-FD1 (121409)-(44-45)	Solid	12/14/2009 1105	12/16/2009
007	H17-FD2 (121409)-(34-45)	Solid	12/14/2009 1600	12/16/2009
008	H17-FD2 (121409)-(44-45)	Solid	12/14/2009 1605	12/16/2009
009	H17-FD2 (121509)-(41-45)	Aqueous	12/15/2009 0745	12/16/2009
010	H17-FD3 (121509)-(41-45)	Aqueous	12/15/2009 0830	12/16/2009
011	H17-FD1 (121509)-(41-45)	Aqueous	12/15/2009 0915	12/16/2009
012	H17-PF4 (121509)-(41-45)	Aqueous	12/15/2009 0945	12/16/2009
013	H17-PF1 (121509)-(41-45)	Aqueous	12/15/2009 1045	12/16/2009
014	H17-AF102 (121509)-(34-35)	Solid	12/15/2009 1500	12/16/2009
015	H17-AF102 (121509)-(44-45)	Solid	12/15/2009 1505	12/16/2009
016	H17-AF102 (121509)-(41-45)	Aqueous	12/15/2009 1520	12/16/2009
017	H17-AF103 (121509)-(41-45)	Aqueous	12/15/2009 1610	12/16/2009
018	TRIP BLANK	Aqueous	12/16/2009 0840	12/16/2009

(18 samples)

SHEALY ENVIRONMENTAL SERVICES, INC.

Executive Summary

ARCADIS U.S., Inc.

Lot Number: KL16030

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	H17-PF4 (121409)-(34-35)	Solid	Chloromethane (Methyl chloride)	8260B	0.88	J	ug/kg	6
001	H17-PF4 (121409)-(34-35)	Solid	Tetrachloroethene	8260B	2.4		ug/kg	6
001	H17-PF4 (121409)-(34-35)	Solid	Toluene	8260B	0.97	J	ug/kg	6
001	H17-PF4 (121409)-(34-35)	Solid	Xylenes (total)	8260B	1.3	J	ug/kg	7
002	H17-PF4(121409)-(44-45)	Solid	Acetone	8260B	77		ug/kg	8
002	H17-PF4(121409)-(44-45)	Solid	Carbon disulfide	8260B	200		ug/kg	8
002	H17-PF4(121409)-(44-45)	Solid	Chloromethane (Methyl chloride)	8260B	1.4	J	ug/kg	8
003	H17-FD3 (121409)-(34-35)	Solid	Carbon disulfide	8260B	1.1	J	ug/kg	10
003	H17-FD3 (121409)-(34-35)	Solid	Chloromethane (Methyl chloride)	8260B	2.4	J	ug/kg	10
004	H17-FD3 (121409)-(44-45)	Solid	Carbon disulfide	8260B	1.1	J	ug/kg	12
004	H17-FD3 (121409)-(44-45)	Solid	cis-1,2-Dichloroethene	8260B	1.3	J	ug/kg	12
005	H17-FD1 (121409)-(34-35)	Solid	Acetone	8260B	14		ug/kg	14
008	H17-FD2 (121409)-(44-45)	Solid	Acetone	8260B	49		ug/kg	20
008	H17-FD2 (121409)-(44-45)	Solid	Carbon disulfide	8260B	95		ug/kg	20
008	H17-FD2 (121409)-(44-45)	Solid	Chloromethane (Methyl chloride)	8260B	2.9		ug/kg	20
008	H17-FD2 (121409)-(44-45)	Solid	1,1-Dichloroethane	8260B	2.6	J	ug/kg	20
009	H17-FD2 (121509)-(41-45)	Aqueous	Benzene	8260B	0.34	J	ug/L	22
009	H17-FD2 (121509)-(41-45)	Aqueous	Carbon disulfide	8260B	0.72		ug/L	22
009	H17-FD2 (121509)-(41-45)	Aqueous	1,1-Dichloroethane	8260B	7.1		ug/L	22
009	H17-FD2 (121509)-(41-45)	Aqueous	1,1-Dichloroethene	8260B	2.4		ug/L	22
009	H17-FD2 (121509)-(41-45)	Aqueous	cis-1,2-Dichloroethene	8260B	0.20	J	ug/L	22
009	H17-FD2 (121509)-(41-45)	Aqueous	1,2-Dichloropropane	8260B	0.99		ug/L	22
009	H17-FD2 (121509)-(41-45)	Aqueous	Ethylbenzene	8260B	1.9		ug/L	22
009	H17-FD2 (121509)-(41-45)	Aqueous	4-Methyl-2-pentanone	8260B	0.37	J	ug/L	22
009	H17-FD2 (121509)-(41-45)	Aqueous	Xylenes (total)	8260B	3.4		ug/L	23
010	H17-FD3 (121509)-(41-45)	Aqueous	Carbon disulfide	8260B	1.3		ug/L	24
010	H17-FD3 (121509)-(41-45)	Aqueous	1,2-Dichlorobenzene	8260B	2.2		ug/L	24
010	H17-FD3 (121509)-(41-45)	Aqueous	cis-1,2-Dichloroethene	8260B	6.2		ug/L	24
010	H17-FD3 (121509)-(41-45)	Aqueous	Trichloroethene	8260B	1.1		ug/L	25
011	H17-FD1 (121509)-(41-45)	Aqueous	Carbon disulfide	8260B	0.61		ug/L	26
011	H17-FD1 (121509)-(41-45)	Aqueous	1,2-Dichlorobenzene	8260B	0.73		ug/L	26
011	H17-FD1 (121509)-(41-45)	Aqueous	cis-1,2-Dichloroethene	8260B	0.87		ug/L	26
012	H17-PF4 (121509)-(41-45)	Aqueous	Acetone	8260B	4.3	J	ug/L	28
012	H17-PF4 (121509)-(41-45)	Aqueous	Carbon disulfide	8260B	0.53		ug/L	28
012	H17-PF4 (121509)-(41-45)	Aqueous	Cyclohexane	8260B	0.45	BJ	ug/L	28
012	H17-PF4 (121509)-(41-45)	Aqueous	cis-1,2-Dichloroethene	8260B	0.37	J	ug/L	28
012	H17-PF4 (121509)-(41-45)	Aqueous	Trichloroethene	8260B	1.7		ug/L	29
013	H17-PF1 (121509)-(41-45)	Aqueous	Chloromethane (Methyl chloride)	8260B	0.32	J	ug/L	30
013	H17-PF1 (121509)-(41-45)	Aqueous	cis-1,2-Dichloroethene	8260B	0.18	J	ug/L	30
013	H17-PF1 (121509)-(41-45)	Aqueous	Trichloroethene	8260B	2.2		ug/L	31
014	H17-AF102 (121509)-(34-	Solid	Acetone	8260B	8.1	J	ug/kg	32
014	H17-AF102 (121509)-(34-	Solid	Carbon disulfide	8260B	2.5	J	ug/kg	32
015	H17-AF102 (121509)-(44-	Solid	Carbon disulfide	8260B	16		ug/kg	34
015	H17-AF102 (121509)-(44-	Solid	Chloromethane (Methyl chloride)	8260B	1.4	J	ug/kg	34
015	H17-AF102 (121509)-(44-	Solid	Carbon disulfide	8260B	35	H	ug/kg	36

Executive Summary (Continued)

Lot Number: KL16030

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
016	H17-AF102 (121509)-(41-	Aqueous	Acetone	8260B	6.9	J	ug/L	38
016	H17-AF102 (121509)-(41-	Aqueous	Carbon disulfide	8260B	0.37	J	ug/L	38
017	H17-AF103 (121509)-(41-	Aqueous	Acetone	8260B	3.2	J	ug/L	40
017	H17-AF103 (121509)-(41-	Aqueous	Carbon disulfide	8260B	0.36	J	ug/L	40
017	H17-AF103 (121509)-(41-	Aqueous	trans-1,3-Dichloropropene	8260B	2.6		ug/L	40
017	H17-AF103 (121509)-(41-	Aqueous	cis-1,3-Dichloropropene	8260B	2.0		ug/L	40
017	H17-AF103 (121509)-(41-	Aqueous	4-Methyl-2-pentanone	8260B	0.78	J	ug/L	40

(52 detections)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL16030-001			
Description: H17-PF4 (121409)-(34-35)				Matrix: Solid			
Date Sampled: 12/14/2009 0930				% Solids: 78.4 12/16/2009 1950			
Date Received: 12/16/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/28/2009 1959	RRH		24386	13.92

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		9.2	3.1	ug/kg	1
Benzene	71-43-2	8260B	ND		2.3	0.50	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		2.3	0.78	ug/kg	1
Bromoform	75-25-2	8260B	ND		2.3	0.32	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.3	0.82	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		4.6	1.1	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		2.3	0.60	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		2.3	0.82	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		2.3	0.78	ug/kg	1
Chloroethane	75-00-3	8260B	ND		2.3	0.60	ug/kg	1
Chloroform	67-66-3	8260B	ND		2.3	0.38	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	0.88	J	2.3	0.46	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		2.3	0.31	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2.3	0.69	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		2.3	0.78	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2.3	0.39	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2.3	0.78	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2.3	0.78	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2.3	0.78	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.3	0.73	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		2.3	0.33	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		2.3	0.46	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		2.3	0.78	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		2.3	0.35	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		2.3	0.69	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		2.3	0.42	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2.3	0.31	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2.3	0.38	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		2.3	0.78	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		4.6	0.60	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		2.3	0.37	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		2.3	0.31	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2.3	0.18	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		4.6	0.69	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		2.3	0.28	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		2.3	1.2	ug/kg	1
Styrene	100-42-5	8260B	ND		2.3	0.50	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2.3	0.22	ug/kg	1
Tetrachloroethene	127-18-4	8260B	2.4		2.3	1.1	ug/kg	1
Toluene	108-88-3	8260B	0.97	J	2.3	0.78	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2.3	0.96	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2.3	0.78	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		2.3	0.39	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		2.3	0.36	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: KL16030-001	
Description: H17-PF4 (121409)-(34-35)		Matrix: Solid	
Date Sampled: 12/14/2009 0930		% Solids: 78.4 12/16/2009 1950	
Date Received: 12/16/2009			

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/28/2009 1959	Analyst RRH	Prep Date	Batch 24386	Sample Wt.(g) 13.92

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		2.3	0.87	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		2.3	0.69	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		2.3	0.39	ug/kg	1
Xylenes (total)	1330-20-7	8260B	1.3	J	2.3	1.3	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		72	53-142
Bromofluorobenzene		91	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL16030-002			
Description: H17-PF4(121409)-(44-45)				Matrix: Solid			
Date Sampled: 12/14/2009 0935				% Solids: 82.6 12/16/2009 1950			
Date Received: 12/16/2009							

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/28/2009 1347	Analyst RRH	Prep Date	Batch 24386	Sample Wt.(g) 9.47		
Parameter			CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone			67-64-1	8260B	77		13	4.3	ug/kg	1
Benzene			71-43-2	8260B	ND		3.2	0.70	ug/kg	1
Bromodichloromethane			75-27-4	8260B	ND		3.2	1.1	ug/kg	1
Bromoform			75-25-2	8260B	ND		3.2	0.45	ug/kg	1
Bromomethane (Methyl bromide)			74-83-9	8260B	ND		3.2	1.2	ug/kg	1
2-Butanone (MEK)			78-93-3	8260B	ND		6.4	1.5	ug/kg	1
Carbon disulfide			75-15-0	8260B	200		3.2	0.83	ug/kg	1
Carbon tetrachloride			56-23-5	8260B	ND		3.2	1.2	ug/kg	1
Chlorobenzene			108-90-7	8260B	ND		3.2	1.1	ug/kg	1
Chloroethane			75-00-3	8260B	ND		3.2	0.83	ug/kg	1
Chloroform			67-66-3	8260B	ND		3.2	0.53	ug/kg	1
Chloromethane (Methyl chloride)			74-87-3	8260B	1.4	J	3.2	0.64	ug/kg	1
Cyclohexane			110-82-7	8260B	ND		3.2	0.43	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)			96-12-8	8260B	ND		3.2	0.96	ug/kg	1
Dibromochloromethane			124-48-1	8260B	ND		3.2	1.1	ug/kg	1
1,2-Dibromoethane (EDB)			106-93-4	8260B	ND		3.2	0.54	ug/kg	1
1,2-Dichlorobenzene			95-50-1	8260B	ND		3.2	1.1	ug/kg	1
1,3-Dichlorobenzene			541-73-1	8260B	ND		3.2	1.1	ug/kg	1
1,4-Dichlorobenzene			106-46-7	8260B	ND		3.2	1.1	ug/kg	1
Dichlorodifluoromethane			75-71-8	8260B	ND		3.2	1.0	ug/kg	1
1,1-Dichloroethane			75-34-3	8260B	ND		3.2	0.47	ug/kg	1
1,2-Dichloroethane			107-06-2	8260B	ND		3.2	0.64	ug/kg	1
1,1-Dichloroethene			75-35-4	8260B	ND		3.2	1.1	ug/kg	1
cis-1,2-Dichloroethene			156-59-2	8260B	ND		3.2	0.49	ug/kg	1
trans-1,2-Dichloroethene			156-60-5	8260B	ND		3.2	0.96	ug/kg	1
1,2-Dichloropropane			78-87-5	8260B	ND		3.2	0.58	ug/kg	1
cis-1,3-Dichloropropene			10061-01-5	8260B	ND		3.2	0.43	ug/kg	1
trans-1,3-Dichloropropene			10061-02-6	8260B	ND		3.2	0.52	ug/kg	1
Ethylbenzene			100-41-4	8260B	ND		3.2	1.1	ug/kg	1
2-Hexanone			591-78-6	8260B	ND		6.4	0.83	ug/kg	1
Isopropylbenzene			98-82-8	8260B	ND		3.2	0.51	ug/kg	1
Methyl acetate			79-20-9	8260B	ND		3.2	0.43	ug/kg	1
Methyl tertiary butyl ether (MTBE)			1634-04-4	8260B	ND		3.2	0.26	ug/kg	1
4-Methyl-2-pentanone			108-10-1	8260B	ND		6.4	0.96	ug/kg	1
Methylcyclohexane			108-87-2	8260B	ND		3.2	0.39	ug/kg	1
Methylene chloride			75-09-2	8260B	ND		3.2	1.7	ug/kg	1
Styrene			100-42-5	8260B	ND		3.2	0.70	ug/kg	1
1,1,2,2-Tetrachloroethane			79-34-5	8260B	ND		3.2	0.30	ug/kg	1
Tetrachloroethene			127-18-4	8260B	ND		3.2	1.5	ug/kg	1
Toluene			108-88-3	8260B	ND		3.2	1.1	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane			76-13-1	8260B	ND		3.2	1.3	ug/kg	1
1,2,4-Trichlorobenzene			120-82-1	8260B	ND		3.2	1.1	ug/kg	1
1,1,1-Trichloroethane			71-55-6	8260B	ND		3.2	0.54	ug/kg	1
1,1,2-Trichloroethane			79-00-5	8260B	ND		3.2	0.50	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: KL16030-002
Description: H17-PF4(121409)-(44-45)	Matrix: Solid
Date Sampled: 12/14/2009 0935	% Solids: 82.6 12/16/2009 1950
Date Received: 12/16/2009	

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/28/2009 1347	Analyst RRH	Prep Date	Batch 24386	Sample Wt.(g) 9.47	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		3.2	1.2	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		3.2	0.96	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		3.2	0.55	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		3.2	1.9	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		73	53-142
Bromofluorobenzene		90	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

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Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.					Laboratory ID: KL16030-003			
Description: H17-FD3 (121409)-(34-35)					Matrix: Solid			
Date Sampled: 12/14/2009 1415					% Solids: 80.4 12/16/2009 1950			
Date Received: 12/16/2009								

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/28/2009 1410	Analyst RRH	Prep Date	Batch 24386	Sample Wt.(g) 8.82																					
Parameter			CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run																			
Acetone			67-64-1	8260B	ND		14	4.7	ug/kg	1																			
Benzene			71-43-2	8260B	ND		3.5	0.78	ug/kg	1																			
Bromodichloromethane			75-27-4	8260B	ND		3.5	1.2	ug/kg	1																			
Bromoform			75-25-2	8260B	ND		3.5	0.49	ug/kg	1																			
Bromomethane (Methyl bromide)			74-83-9	8260B	ND		3.5	1.3	ug/kg	1																			
2-Butanone (MEK)			78-93-3	8260B	ND		7.1	1.7	ug/kg	1																			
Carbon disulfide			75-15-0	8260B	1.1	J	3.5	0.92	ug/kg	1																			
Carbon tetrachloride			56-23-5	8260B	ND		3.5	1.3	ug/kg	1																			
Chlorobenzene			108-90-7	8260B	ND		3.5	1.2	ug/kg	1																			
Chloroethane			75-00-3	8260B	ND		3.5	0.92	ug/kg	1																			
Chloroform			67-66-3	8260B	ND		3.5	0.59	ug/kg	1																			
Chloromethane (Methyl chloride)			74-87-3	8260B	2.4	J	3.5	0.71	ug/kg	1																			
Cyclohexane			110-82-7	8260B	ND		3.5	0.48	ug/kg	1																			
1,2-Dibromo-3-chloropropane (DBCP)			96-12-8	8260B	ND		3.5	1.1	ug/kg	1																			
Dibromochloromethane			124-48-1	8260B	ND		3.5	1.2	ug/kg	1																			
1,2-Dibromoethane (EDB)			106-93-4	8260B	ND		3.5	0.60	ug/kg	1																			
1,2-Dichlorobenzene			95-50-1	8260B	ND		3.5	1.2	ug/kg	1																			
1,3-Dichlorobenzene			541-73-1	8260B	ND		3.5	1.2	ug/kg	1																			
1,4-Dichlorobenzene			106-46-7	8260B	ND		3.5	1.2	ug/kg	1																			
Dichlorodifluoromethane			75-71-8	8260B	ND		3.5	1.1	ug/kg	1																			
1,1-Dichloroethane			75-34-3	8260B	ND		3.5	0.52	ug/kg	1																			
1,2-Dichloroethane			107-06-2	8260B	ND		3.5	0.71	ug/kg	1																			
1,1-Dichloroethene			75-35-4	8260B	ND		3.5	1.2	ug/kg	1																			
cis-1,2-Dichloroethene			156-59-2	8260B	ND		3.5	0.54	ug/kg	1																			
trans-1,2-Dichloroethene			156-60-5	8260B	ND		3.5	1.1	ug/kg	1																			
1,2-Dichloropropane			78-87-5	8260B	ND		3.5	0.64	ug/kg	1																			
cis-1,3-Dichloropropene			10061-01-5	8260B	ND		3.5	0.48	ug/kg	1																			
trans-1,3-Dichloropropene			10061-02-6	8260B	ND		3.5	0.58	ug/kg	1																			
Ethylbenzene			100-41-4	8260B	ND		3.5	1.2	ug/kg	1																			
2-Hexanone			591-78-6	8260B	ND		7.1	0.92	ug/kg	1																			
Isopropylbenzene			98-82-8	8260B	ND		3.5	0.56	ug/kg	1																			
Methyl acetate			79-20-9	8260B	ND		3.5	0.47	ug/kg	1																			
Methyl tertiary butyl ether (MTBE)			1634-04-4	8260B	ND		3.5	0.28	ug/kg	1																			
4-Methyl-2-pentanone			108-10-1	8260B	ND		7.1	1.1	ug/kg	1																			
Methylcyclohexane			108-87-2	8260B	ND		3.5	0.43	ug/kg	1																			
Methylene chloride			75-09-2	8260B	ND		3.5	1.8	ug/kg	1																			
Styrene			100-42-5	8260B	ND		3.5	0.78	ug/kg	1																			
1,1,2,2-Tetrachloroethane			79-34-5	8260B	ND		3.5	0.33	ug/kg	1																			
Tetrachloroethene			127-18-4	8260B	ND		3.5	1.6	ug/kg	1																			
Toluene			108-88-3	8260B	ND		3.5	1.2	ug/kg	1																			
1,1,2-Trichloro-1,2,2-Trifluoroethane			76-13-1	8260B	ND		3.5	1.5	ug/kg	1																			
1,2,4-Trichlorobenzene			120-82-1	8260B	ND		3.5	1.2	ug/kg	1																			
1,1,1-Trichloroethane			71-55-6	8260B	ND		3.5	0.60	ug/kg	1																			
1,1,2-Trichloroethane			79-00-5	8260B	ND		3.5	0.56	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: KL16030-003
Description: H17-FD3 (121409)-(34-35)	Matrix: Solid
Date Sampled: 12/14/2009 1415	% Solids: 80.4 12/16/2009 1950
Date Received: 12/16/2009	

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/28/2009 1410	Analyst RRH	Prep Date	Batch 24386	Sample Wt.(g) 8.82

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		3.5	1.3	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		3.5	1.1	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		3.5	0.61	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		3.5	2.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		70	53-142
Bromofluorobenzene		87	47-138
Toluene-d8		81	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

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Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.					Laboratory ID: KL16030-004			
Description: H17-FD3 (121409)-(44-45)					Matrix: Solid			
Date Sampled: 12/14/2009 1420					% Solids: 79.2 12/16/2009 1950			
Date Received: 12/16/2009								

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/19/2009 1957	Analyst DLB	Prep Date	Batch 23963	Sample Wt.(g) 7.73
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		16	5.5	ug/kg	1
Benzene	71-43-2	8260B	ND		4.1	0.90	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.1	1.4	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.1	0.57	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.1	1.5	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		8.2	2.0	ug/kg	1
Carbon disulfide	75-15-0	8260B	1.1	J	4.1	1.1	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.1	1.5	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.1	1.4	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.1	1.1	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.1	0.68	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.1	0.82	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.1	0.55	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.1	1.2	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.1	1.4	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.1	0.69	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.1	1.4	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.1	1.4	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.1	1.4	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.1	1.3	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.1	0.60	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.1	0.82	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.1	1.4	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	1.3	J	4.1	0.62	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.1	1.2	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.1	0.74	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.1	0.56	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.1	0.67	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.1	1.4	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		8.2	1.1	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.1	0.65	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.1	0.55	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.1	0.33	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		8.2	1.2	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.1	0.50	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.1	2.1	ug/kg	1
Styrene	100-42-5	8260B	ND		4.1	0.90	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.1	0.38	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		4.1	1.9	ug/kg	1
Toluene	108-88-3	8260B	ND		4.1	1.4	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.1	1.7	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.1	1.4	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.1	0.69	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.1	0.64	ug/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 ≥ 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: KL16030-004	
Description: H17-FD3 (121409)-(44-45)		Matrix: Solid	
Date Sampled: 12/14/2009 1420		% Solids: 79.2 12/16/2009 1950	
Date Received: 12/16/2009			

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/19/2009 1957	Analyst DLB	Prep Date	Batch 23963	Sample Wt.(g) 7.73

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		4.1	1.6	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		4.1	1.2	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		4.1	0.70	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.1	2.4	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	53-142
Bromofluorobenzene		103	47-138
Toluene-d8		105	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

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

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Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL16030-005			
Description: H17-FD1 (121409)-(34-35)				Matrix: Solid			
Date Sampled: 12/14/2009 1100				% Solids: 78.4 12/16/2009 1950			
Date Received: 12/16/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/19/2009 2021	DLB		23963	9.02

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	14		14	4.7	ug/kg	1
Benzene	71-43-2	8260B	ND		3.5	0.78	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		3.5	1.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		3.5	0.49	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		3.5	1.3	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		7.1	1.7	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		3.5	0.92	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		3.5	1.3	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		3.5	1.2	ug/kg	1
Chloroethane	75-00-3	8260B	ND		3.5	0.92	ug/kg	1
Chloroform	67-66-3	8260B	ND		3.5	0.59	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		3.5	0.71	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		3.5	0.48	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		3.5	1.1	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		3.5	1.2	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		3.5	0.60	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		3.5	1.2	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		3.5	1.2	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		3.5	1.2	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		3.5	1.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		3.5	0.52	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		3.5	0.71	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		3.5	1.2	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		3.5	0.54	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		3.5	1.1	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		3.5	0.64	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		3.5	0.48	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		3.5	0.58	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		3.5	1.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		7.1	0.92	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		3.5	0.57	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		3.5	0.47	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		3.5	0.28	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		7.1	1.1	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		3.5	0.43	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		3.5	1.8	ug/kg	1
Styrene	100-42-5	8260B	ND		3.5	0.78	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		3.5	0.33	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		3.5	1.6	ug/kg	1
Toluene	108-88-3	8260B	ND		3.5	1.2	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		3.5	1.5	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		3.5	1.2	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		3.5	0.60	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		3.5	0.56	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: KL16030-005
Description: H17-FD1 (121409)-(34-35)	Matrix: Solid
Date Sampled:12/14/2009 1100	% Solids: 78.4 12/16/2009 1950
Date Received: 12/16/2009	

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/19/2009 2021	Analyst DLB	Prep Date	Batch 23963	Sample Wt.(g) 9.02

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		3.5	1.3	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		3.5	1.1	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		3.5	0.61	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		3.5	2.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	53-142
Bromofluorobenzene		108	47-138
Toluene-d8		112	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.					Laboratory ID: KL16030-006			
Description: H17-FD1 (121409)-(44-45)					Matrix: Solid			
Date Sampled: 12/14/2009 1105					% Solids: 78.3 12/16/2009 1950			
Date Received: 12/16/2009								

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/19/2009 2045	DLB		23963	9.62

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		13	4.4	ug/kg	1
Benzene	71-43-2	8260B	ND		3.3	0.73	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		3.3	1.1	ug/kg	1
Bromoform	75-25-2	8260B	ND		3.3	0.46	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		3.3	1.2	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		6.6	1.6	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		3.3	0.86	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		3.3	1.2	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		3.3	1.1	ug/kg	1
Chloroethane	75-00-3	8260B	ND		3.3	0.86	ug/kg	1
Chloroform	67-66-3	8260B	ND		3.3	0.55	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		3.3	0.66	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		3.3	0.45	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		3.3	1.0	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		3.3	1.1	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		3.3	0.56	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		3.3	1.1	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		3.3	1.1	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		3.3	1.1	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		3.3	1.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		3.3	0.48	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		3.3	0.66	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		3.3	1.1	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		3.3	0.50	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		3.3	1.0	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		3.3	0.60	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		3.3	0.45	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		3.3	0.54	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		3.3	1.1	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		6.6	0.86	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		3.3	0.53	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		3.3	0.44	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		3.3	0.27	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		6.6	1.0	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		3.3	0.40	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		3.3	1.7	ug/kg	1
Styrene	100-42-5	8260B	ND		3.3	0.73	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		3.3	0.31	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		3.3	1.5	ug/kg	1
Toluene	108-88-3	8260B	ND		3.3	1.1	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		3.3	1.4	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		3.3	1.1	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		3.3	0.56	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		3.3	0.52	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: KL16030-006	
Description: H17-FD1 (121409)-(44-45)		Matrix: Solid	
Date Sampled: 12/14/2009 1105		% Solids: 78.3 12/16/2009 1950	
Date Received: 12/16/2009			

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/19/2009 2045	Analyst DLB	Prep Date	Batch 23963	Sample Wt.(g) 9.62	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		3.3	1.3	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		3.3	1.0	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		3.3	0.57	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		3.3	1.9	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	53-142
Bromofluorobenzene		105	47-138
Toluene-d8		107	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

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

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Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL16030-007			
Description: H17-FD2 (121409)-(34-45)				Matrix: Solid			
Date Sampled: 12/14/2009 1600				% Solids: 82.7 12/16/2009 1950			
Date Received: 12/16/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/19/2009 2108	DLB		23963	12.32

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		9.8	3.3	ug/kg	1
Benzene	71-43-2	8260B	ND		2.5	0.54	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		2.5	0.83	ug/kg	1
Bromoform	75-25-2	8260B	ND		2.5	0.34	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.5	0.88	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		4.9	1.2	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		2.5	0.64	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		2.5	0.88	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		2.5	0.83	ug/kg	1
Chloroethane	75-00-3	8260B	ND		2.5	0.64	ug/kg	1
Chloroform	67-66-3	8260B	ND		2.5	0.41	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.5	0.49	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		2.5	0.33	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2.5	0.74	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		2.5	0.83	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2.5	0.42	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2.5	0.83	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2.5	0.83	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2.5	0.83	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.5	0.79	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		2.5	0.36	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		2.5	0.49	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		2.5	0.83	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		2.5	0.37	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		2.5	0.74	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		2.5	0.45	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2.5	0.33	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2.5	0.40	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		2.5	0.83	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		4.9	0.64	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		2.5	0.39	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		2.5	0.33	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2.5	0.20	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		4.9	0.74	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		2.5	0.30	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		2.5	1.3	ug/kg	1
Styrene	100-42-5	8260B	ND		2.5	0.54	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2.5	0.23	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		2.5	1.1	ug/kg	1
Toluene	108-88-3	8260B	ND		2.5	0.83	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2.5	1.0	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2.5	0.83	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		2.5	0.42	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		2.5	0.39	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: KL16030-007
Description: H17-FD2 (121409)-(34-45)	Matrix: Solid
Date Sampled: 12/14/2009 1600	% Solids: 82.7 12/16/2009 1950
Date Received: 12/16/2009	

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/19/2009 2108	Analyst DLB	Prep Date	Batch 23963	Sample Wt.(g) 12.32

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		2.5	0.93	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		2.5	0.74	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		2.5	0.42	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		2.5	1.4	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	53-142
Bromofluorobenzene		103	47-138
Toluene-d8		110	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL16030-008			
Description: H17-FD2 (121409)-(44-45)				Matrix: Solid			
Date Sampled: 12/14/2009 1605				% Solids: 79.7 12/16/2009 1950			
Date Received: 12/16/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/28/2009 1433	RRH		24386	11.48

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	49		11	3.7	ug/kg	1
Benzene	71-43-2	8260B	ND		2.7	0.60	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		2.7	0.93	ug/kg	1
Bromoform	75-25-2	8260B	ND		2.7	0.38	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.7	0.98	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		5.5	1.3	ug/kg	1
Carbon disulfide	75-15-0	8260B	95		2.7	0.71	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		2.7	0.98	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		2.7	0.93	ug/kg	1
Chloroethane	75-00-3	8260B	ND		2.7	0.71	ug/kg	1
Chloroform	67-66-3	8260B	ND		2.7	0.45	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	2.9		2.7	0.55	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		2.7	0.37	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2.7	0.82	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		2.7	0.93	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2.7	0.46	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2.7	0.93	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2.7	0.93	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2.7	0.93	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.7	0.87	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	2.6	J	2.7	0.40	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		2.7	0.55	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		2.7	0.93	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		2.7	0.42	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		2.7	0.82	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		2.7	0.50	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2.7	0.37	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2.7	0.45	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		2.7	0.93	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		5.5	0.71	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		2.7	0.44	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		2.7	0.37	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2.7	0.22	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		5.5	0.82	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		2.7	0.33	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		2.7	1.4	ug/kg	1
Styrene	100-42-5	8260B	ND		2.7	0.60	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2.7	0.26	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		2.7	1.3	ug/kg	1
Toluene	108-88-3	8260B	ND		2.7	0.93	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2.7	1.1	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2.7	0.93	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		2.7	0.46	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		2.7	0.43	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: KL16030-008
Description: H17-FD2 (121409)-(44-45)	Matrix: Solid
Date Sampled:12/14/2009 1605	% Solids: 79.7 12/16/2009 1950
Date Received: 12/16/2009	

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/28/2009 1433	Analyst RRH	Prep Date	Batch 24386	Sample Wt.(g) 11.48	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		2.7	1.0	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		2.7	0.82	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		2.7	0.47	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		2.7	1.6	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		68	53-142
Bromofluorobenzene		86	47-138
Toluene-d8		80	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL16030-009			
Description: H17-FD2 (121509)-(41-45)				Matrix: Aqueous			
Date Sampled: 12/15/2009 0745							
Date Received: 12/16/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/24/2009 1314	Analyst RRH	Prep Date	Batch 24397		
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	0.34	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	0.72		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	7.1		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	2.4		0.50	0.094	ug/L	1	
cis-1,2-Dichloroethene	156-59-2	8260B	0.20	J	0.50	0.087	ug/L	1	
1,2-Dichloropropane	78-87-5	8260B	0.99		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	1.9		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	0.37	J	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: KL16030-009			
Description: H17-FD2 (121509)-(41-45)				Matrix: Aqueous			
Date Sampled: 12/15/2009 0745							
Date Received: 12/16/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/24/2009 1314	Analyst RRH	Prep Date	Batch 24397

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	3.4		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		108	70-130
Bromofluorobenzene		111	70-130
Toluene-d8		112	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: KL16030-010			
Description: H17-FD3 (121509)-(41-45)				Matrix: Aqueous			
Date Sampled: 12/15/2009 0830							
Date Received: 12/16/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/24/2009 1335	Analyst RRH	Prep Date	Batch 24397		
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	1.3		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	2.2		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	6.2		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: KL16030-010			
Description: H17-FD3 (121509)-(41-45)				Matrix: Aqueous			
Date Sampled: 12/15/2009 0830							
Date Received: 12/16/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/24/2009 1335	Analyst RRH	Prep Date	Batch 24397

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	1.1		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		115	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL16030-011			
Description: H17-FD1 (121509)-(41-45)				Matrix: Aqueous			
Date Sampled: 12/15/2009 0915							
Date Received: 12/16/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/24/2009 1357	Analyst RRH	Prep Date	Batch 24397		
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	0.61		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	0.73		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	0.87		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: KL16030-011			
Description: H17-FD1 (121509)-(41-45)				Matrix: Aqueous			
Date Sampled: 12/15/2009 0915							
Date Received: 12/16/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/24/2009 1357	Analyst RRH	Prep Date	Batch 24397

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		112	70-130
Toluene-d8		112	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: KL16030-012			
Description: H17-PF4 (121509)-(41-45)				Matrix: Aqueous			
Date Sampled: 12/15/2009 0945							
Date Received: 12/16/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 0321	Analyst RRH	Prep Date	Batch 24457		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	4.3	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	0.53		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	0.45	BJ	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	0.37	J	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: KL16030-012			
Description: H17-PF4 (121509)-(41-45)				Matrix: Aqueous			
Date Sampled: 12/15/2009 0945							
Date Received: 12/16/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 0321	Analyst RRH	Prep Date	Batch 24457

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	1.7		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		92	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 ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample 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: KL16030-013			
Description: H17-PF1 (121509)-(41-45)				Matrix: Aqueous			
Date Sampled: 12/15/2009 1045							
Date Received: 12/16/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/24/2009 1418	Analyst RRH	Prep Date	Batch 24397				
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	0.32	J	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	0.18	J	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: KL16030-013			
Description: H17-PF1 (121509)-(41-45)				Matrix: Aqueous			
Date Sampled: 12/15/2009 1045							
Date Received: 12/16/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/24/2009 1418	Analyst RRH	Prep Date	Batch 24397

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	2.2		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		111	70-130
Bromofluorobenzene		112	70-130
Toluene-d8		113	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: KL16030-014			
Description: H17-AF102 (121509)-(34-35)				Matrix: Solid			
Date Sampled: 12/15/2009 1500				% Solids: 73.3 12/16/2009 1950			
Date Received: 12/16/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/29/2009 1931	LBS		24377	10.63

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	8.1	J	13	4.3	ug/kg	1
Benzene	71-43-2	8260B	ND		3.2	0.71	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		3.2	1.1	ug/kg	1
Bromoform	75-25-2	8260B	ND		3.2	0.45	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		3.2	1.2	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		6.4	1.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	2.5	J	3.2	0.83	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		3.2	1.2	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		3.2	1.1	ug/kg	1
Chloroethane	75-00-3	8260B	ND		3.2	0.83	ug/kg	1
Chloroform	67-66-3	8260B	ND		3.2	0.53	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		3.2	0.64	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		3.2	0.43	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		3.2	0.96	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		3.2	1.1	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		3.2	0.55	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		3.2	1.1	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		3.2	1.1	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		3.2	1.1	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		3.2	1.0	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		3.2	0.47	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		3.2	0.64	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		3.2	1.1	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		3.2	0.49	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		3.2	0.96	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		3.2	0.58	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		3.2	0.44	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		3.2	0.53	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		3.2	1.1	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		6.4	0.83	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		3.2	0.51	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		3.2	0.43	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		3.2	0.26	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		6.4	0.96	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		3.2	0.39	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		3.2	1.7	ug/kg	1
Styrene	100-42-5	8260B	ND		3.2	0.71	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		3.2	0.30	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		3.2	1.5	ug/kg	1
Toluene	108-88-3	8260B	ND		3.2	1.1	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		3.2	1.3	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		3.2	1.1	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		3.2	0.55	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		3.2	0.51	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: KL16030-014	
Description: H17-AF102 (121509)-(34-35)		Matrix: Solid	
Date Sampled: 12/15/2009 1500		% Solids: 73.3 12/16/2009 1950	
Date Received: 12/16/2009			

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 1931	Analyst LBS	Prep Date	Batch 24377	Sample Wt.(g) 10.63	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		3.2	1.2	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		3.2	0.96	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		3.2	0.55	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		3.2	1.9	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		75	53-142
Bromofluorobenzene		85	47-138
Toluene-d8		81	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.					Laboratory ID: KL16030-015			
Description: H17-AF102 (121509)-(44-45)					Matrix: Solid			
Date Sampled: 12/15/2009 1505					% Solids: 74.7 12/16/2009 1950			
Date Received: 12/16/2009								

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/29/2009 1954	LBS		24377	9.87
2	5035	8260B	1	12/31/2009 0128	MZ		24599	13.37

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		14	4.5	ug/kg	1
Benzene	71-43-2	8260B	ND		3.4	0.75	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		3.4	1.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		3.4	0.47	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		3.4	1.2	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		6.8	1.6	ug/kg	1
Carbon disulfide	75-15-0	8260B	16		3.4	0.88	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		3.4	1.2	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		3.4	1.2	ug/kg	1
Chloroethane	75-00-3	8260B	ND		3.4	0.88	ug/kg	1
Chloroform	67-66-3	8260B	ND		3.4	0.56	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	1.4	J	3.4	0.68	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		3.4	0.46	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		3.4	1.0	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		3.4	1.2	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		3.4	0.58	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		3.4	1.2	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		3.4	1.2	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		3.4	1.2	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		3.4	1.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		3.4	0.50	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		3.4	0.68	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		3.4	1.2	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		3.4	0.52	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		3.4	1.0	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		3.4	0.62	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		3.4	0.46	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		3.4	0.56	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		3.4	1.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		6.8	0.88	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		3.4	0.54	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		3.4	0.45	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		3.4	0.27	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		6.8	1.0	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		3.4	0.41	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		3.4	1.8	ug/kg	1
Styrene	100-42-5	8260B	ND		3.4	0.75	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		3.4	0.32	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		3.4	1.6	ug/kg	1
Toluene	108-88-3	8260B	ND		3.4	1.2	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		3.4	1.4	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		3.4	1.2	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		3.4	0.58	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: KL16030-015			
Description: H17-AF102 (121509)-(44-45)				Matrix: Solid			
Date Sampled: 12/15/2009 1505				% Solids: 74.7 12/16/2009 1950			
Date Received: 12/16/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/29/2009 1954	LBS		24377	9.87
2	5035	8260B	1	12/31/2009 0128	MZ		24599	13.37

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		3.4	0.54	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		3.4	1.3	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		3.4	1.0	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		3.4	0.58	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		3.4	2.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		73	53-142	H	71	53-142
Bromofluorobenzene		76	47-138	H	80	47-138
Toluene-d8		78	68-124	H	78	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL16030-015			
Description: H17-AF102 (121509)-(44-45)				Matrix: Solid			
Date Sampled: 12/15/2009 1505				% Solids: 74.7 12/16/2009 1950			
Date Received: 12/16/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/29/2009 1954	LBS		24377	9.87
2	5035	8260B	1	12/31/2009 0128	MZ		24599	13.37

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND	H	10	3.4	ug/kg	2
Benzene	71-43-2	8260B	ND	H	2.5	0.55	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND	H	2.5	0.85	ug/kg	2
Bromoform	75-25-2	8260B	ND	H	2.5	0.35	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND	H	2.5	0.90	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND	H	5.0	1.2	ug/kg	2
Carbon disulfide	75-15-0	8260B	35	H	2.5	0.65	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND	H	2.5	0.90	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND	H	2.5	0.85	ug/kg	2
Chloroethane	75-00-3	8260B	ND	H	2.5	0.65	ug/kg	2
Chloroform	67-66-3	8260B	ND	H	2.5	0.42	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND	H	2.5	0.50	ug/kg	2
Cyclohexane	110-82-7	8260B	ND	H	2.5	0.34	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND	H	2.5	0.75	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND	H	2.5	0.85	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND	H	2.5	0.43	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND	H	2.5	0.85	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND	H	2.5	0.85	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND	H	2.5	0.85	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND	H	2.5	0.80	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND	H	2.5	0.37	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND	H	2.5	0.50	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND	H	2.5	0.85	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND	H	2.5	0.38	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND	H	2.5	0.75	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND	H	2.5	0.46	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND	H	2.5	0.34	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND	H	2.5	0.41	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND	H	2.5	0.85	ug/kg	2
2-Hexanone	591-78-6	8260B	ND	H	5.0	0.65	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND	H	2.5	0.40	ug/kg	2
Methyl acetate	79-20-9	8260B	ND	H	2.5	0.34	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND	H	2.5	0.20	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND	H	5.0	0.75	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND	H	2.5	0.31	ug/kg	2
Methylene chloride	75-09-2	8260B	ND	H	2.5	1.3	ug/kg	2
Styrene	100-42-5	8260B	ND	H	2.5	0.55	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND	H	2.5	0.24	ug/kg	2
Tetrachloroethene	127-18-4	8260B	ND	H	2.5	1.2	ug/kg	2
Toluene	108-88-3	8260B	ND	H	2.5	0.85	ug/kg	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND	H	2.5	1.1	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND	H	2.5	0.85	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND	H	2.5	0.43	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: KL16030-015			
Description: H17-AF102 (121509)-(44-45)				Matrix: Solid			
Date Sampled: 12/15/2009 1505				% Solids: 74.7 12/16/2009 1950			
Date Received: 12/16/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/29/2009 1954	LBS		24377	9.87
2	5035	8260B	1	12/31/2009 0128	MZ		24599	13.37

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND	H	2.5	0.40	ug/kg	2
Trichloroethene	79-01-6	8260B	ND	H	2.5	0.95	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND	H	2.5	0.75	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND	H	2.5	0.43	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND	H	2.5	1.5	ug/kg	2

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		73	53-142	H	71	53-142
Bromofluorobenzene		76	47-138	H	80	47-138
Toluene-d8		78	68-124	H	78	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL16030-016			
Description: H17-AF102 (121509)-(41-45)				Matrix: Aqueous			
Date Sampled: 12/15/2009 1520							
Date Received: 12/16/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 0343	Analyst RRH	Prep Date	Batch 24457		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	6.9	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	0.37	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: KL16030-016			
Description: H17-AF102 (121509)-(41-45)				Matrix: Aqueous			
Date Sampled: 12/15/2009 1520							
Date Received: 12/16/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 0343	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		101	70-130
Bromofluorobenzene		94	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 ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample 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: KL16030-017			
Description: H17-AF103 (121509)-(41-45)				Matrix: Aqueous			
Date Sampled: 12/15/2009 1610							
Date Received: 12/16/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 0405	Analyst RRH	Prep Date	Batch 24457		
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	0.36	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	2.6		0.50	0.18	ug/L	1	
cis-1,3-Dichloropropene	10061-01-5	8260B	2.0		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	0.78	J	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: KL16030-017			
Description: H17-AF103 (121509)-(41-45)				Matrix: Aqueous			
Date Sampled: 12/15/2009 1610							
Date Received: 12/16/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 0405	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		100	70-130
Bromofluorobenzene		93	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL16030-018			
Description: TRIP BLANK				Matrix: Aqueous			
Date Sampled: 12/16/2009 0840							
Date Received: 12/16/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 0427	Analyst RRH	Prep Date	Batch 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: KL16030-018			
Description: TRIP BLANK				Matrix: Aqueous			
Date Sampled: 12/16/2009 0840							
Date Received: 12/16/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 0427	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		99	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

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Level 1 Report v2.1

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ23963-001

Matrix: Solid

Batch: 23963

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	12/19/2009 1824
Benzene	ND		1	5.0	1.1	ug/kg	12/19/2009 1824
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	12/19/2009 1824
Bromoform	ND		1	5.0	0.70	ug/kg	12/19/2009 1824
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	12/19/2009 1824
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	12/19/2009 1824
Carbon disulfide	ND		1	5.0	1.3	ug/kg	12/19/2009 1824
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	12/19/2009 1824
Chlorobenzene	ND		1	5.0	1.7	ug/kg	12/19/2009 1824
Chloroethane	ND		1	5.0	1.3	ug/kg	12/19/2009 1824
Chloroform	ND		1	5.0	0.83	ug/kg	12/19/2009 1824
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	12/19/2009 1824
Cyclohexane	ND		1	5.0	0.67	ug/kg	12/19/2009 1824
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	12/19/2009 1824
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	12/19/2009 1824
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	12/19/2009 1824
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/19/2009 1824
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/19/2009 1824
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/19/2009 1824
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	12/19/2009 1824
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	12/19/2009 1824
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	12/19/2009 1824
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	12/19/2009 1824
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	12/19/2009 1824
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	12/19/2009 1824
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	12/19/2009 1824
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	12/19/2009 1824
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	12/19/2009 1824
Ethylbenzene	ND		1	5.0	1.7	ug/kg	12/19/2009 1824
2-Hexanone	ND		1	10	1.3	ug/kg	12/19/2009 1824
Isopropylbenzene	ND		1	5.0	0.80	ug/kg	12/19/2009 1824
Methyl acetate	ND		1	5.0	0.67	ug/kg	12/19/2009 1824
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	12/19/2009 1824
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	12/19/2009 1824
Methylcyclohexane	ND		1	5.0	0.61	ug/kg	12/19/2009 1824
Methylene chloride	ND		1	5.0	2.6	ug/kg	12/19/2009 1824
Styrene	ND		1	5.0	1.1	ug/kg	12/19/2009 1824
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	12/19/2009 1824
Tetrachloroethene	ND		1	5.0	2.3	ug/kg	12/19/2009 1824
Toluene	ND		1	5.0	1.7	ug/kg	12/19/2009 1824
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	2.1	ug/kg	12/19/2009 1824
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	12/19/2009 1824
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	12/19/2009 1824
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	12/19/2009 1824

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: KQ23963-001

Matrix: Solid

Batch: 23963

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	12/19/2009 1824
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	12/19/2009 1824
Vinyl chloride	ND		1	5.0	0.86	ug/kg	12/19/2009 1824
Xylenes (total)	ND		1	5.0	2.9	ug/kg	12/19/2009 1824
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		107	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

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ23963-002

Matrix: Solid

Batch: 23963

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	120		1	123	42-149	12/19/2009 1627
Benzene	50	55		1	110	69-123	12/19/2009 1627
Bromodichloromethane	50	58		1	116	69-121	12/19/2009 1627
Bromoform	50	54		1	109	61-119	12/19/2009 1627
Bromomethane (Methyl bromide)	50	46		1	91	35-144	12/19/2009 1627
2-Butanone (MEK)	100	120		1	120	57-148	12/19/2009 1627
Carbon disulfide	50	58		1	115	58-122	12/19/2009 1627
Carbon tetrachloride	50	59		1	118	58-136	12/19/2009 1627
Chlorobenzene	50	56		1	112	59-129	12/19/2009 1627
Chloroethane	50	51		1	102	50-132	12/19/2009 1627
Chloroform	50	55		1	110	71-125	12/19/2009 1627
Chloromethane (Methyl chloride)	50	46		1	93	34-134	12/19/2009 1627
Cyclohexane	50	58		1	116	53-139	12/19/2009 1627
1,2-Dibromo-3-chloropropane (DBCP)	50	63		1	125	55-125	12/19/2009 1627
Dibromochloromethane	50	55		1	110	66-119	12/19/2009 1627
1,2-Dibromoethane (EDB)	50	57		1	114	74-124	12/19/2009 1627
1,2-Dichlorobenzene	50	60		1	119	57-131	12/19/2009 1627
1,4-Dichlorobenzene	50	61		1	121	52-133	12/19/2009 1627
1,3-Dichlorobenzene	50	61		1	122	51-134	12/19/2009 1627
Dichlorodifluoromethane	50	49		1	98	10-157	12/19/2009 1627
1,2-Dichloroethane	50	55		1	109	67-129	12/19/2009 1627
1,1-Dichloroethane	50	54		1	108	71-127	12/19/2009 1627
1,1-Dichloroethene	50	57		1	114	69-138	12/19/2009 1627
cis-1,2-Dichloroethene	50	56		1	112	70-122	12/19/2009 1627
trans-1,2-Dichloroethene	50	56		1	112	68-131	12/19/2009 1627
1,2-Dichloropropane	50	55		1	111	72-124	12/19/2009 1627
trans-1,3-Dichloropropene	50	55		1	110	70-124	12/19/2009 1627
cis-1,3-Dichloropropene	50	54		1	108	70-126	12/19/2009 1627
Ethylbenzene	50	62		1	123	59-128	12/19/2009 1627
2-Hexanone	100	120		1	117	54-137	12/19/2009 1627
Isopropylbenzene	50	60		1	120	50-136	12/19/2009 1627
Methyl acetate	50	49		1	98	59-137	12/19/2009 1627
Methyl tertiary butyl ether (MTBE)	50	58		1	117	72-122	12/19/2009 1627
4-Methyl-2-pentanone	100	110		1	112	60-134	12/19/2009 1627
Methylcyclohexane	50	61		1	121	41-144	12/19/2009 1627
Methylene chloride	50	53		1	105	77-129	12/19/2009 1627
Styrene	50	57		1	113	54-136	12/19/2009 1627
1,1,2,2-Tetrachloroethane	50	59		1	118	69-132	12/19/2009 1627
Tetrachloroethene	50	59		1	119	70-130	12/19/2009 1627
Toluene	50	59		1	118	61-129	12/19/2009 1627
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	55		1	110	49-136	12/19/2009 1627
1,2,4-Trichlorobenzene	50	69		1	137	34-145	12/19/2009 1627
1,1,1-Trichloroethane	50	57		1	113	63-128	12/19/2009 1627
1,1,2-Trichloroethane	50	56		1	112	55-128	12/19/2009 1627

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: KQ23963-002

Matrix: Solid

Batch: 23963

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	57		1	113	62-126	12/19/2009 1627
Trichlorofluoromethane	50	56		1	112	45-138	12/19/2009 1627
Vinyl chloride	50	52		1	103	42-132	12/19/2009 1627
Xylenes (total)	100	120		1	115	58-128	12/19/2009 1627
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		126	47-138				
1,2-Dichloroethane-d4		97	53-142				
Toluene-d8		117	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: KQ23963-003

Matrix: Solid

Batch: 23963

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	120		1	118	4.0	42-149	20	12/19/2009 1650
Benzene	50	49		1	98	11	69-123	20	12/19/2009 1650
Bromodichloromethane	50	55		1	109	5.5	69-121	20	12/19/2009 1650
Bromoform	50	54		1	107	1.6	61-119	20	12/19/2009 1650
Bromomethane (Methyl bromide)	50	43		1	86	5.8	35-144	20	12/19/2009 1650
2-Butanone (MEK)	100	120		1	120	0.13	57-148	20	12/19/2009 1650
Carbon disulfide	50	50		1	100	14	58-122	20	12/19/2009 1650
Carbon tetrachloride	50	52		1	105	12	58-136	20	12/19/2009 1650
Chlorobenzene	50	53		1	106	6.1	59-129	20	12/19/2009 1650
Chloroethane	50	44		1	88	14	50-132	20	12/19/2009 1650
Chloroform	50	51		1	103	6.9	71-125	20	12/19/2009 1650
Chloromethane (Methyl chloride)	50	41		1	81	13	34-134	20	12/19/2009 1650
Cyclohexane	50	50		1	100	15	53-139	20	12/19/2009 1650
1,2-Dibromo-3-chloropropane (DBCP)	50	61		1	123	2.1	55-125	20	12/19/2009 1650
Dibromochloromethane	50	54		1	107	2.4	66-119	20	12/19/2009 1650
1,2-Dibromoethane (EDB)	50	56		1	112	2.5	74-124	20	12/19/2009 1650
1,2-Dichlorobenzene	50	56		1	111	6.8	57-131	20	12/19/2009 1650
1,4-Dichlorobenzene	50	56		1	111	8.5	52-133	20	12/19/2009 1650
1,3-Dichlorobenzene	50	56		1	111	9.4	51-134	20	12/19/2009 1650
Dichlorodifluoromethane	50	42		1	83	16	10-157	20	12/19/2009 1650
1,2-Dichloroethane	50	53		1	106	3.2	67-129	20	12/19/2009 1650
1,1-Dichloroethane	50	49		1	99	9.2	71-127	20	12/19/2009 1650
1,1-Dichloroethene	50	50		1	100	13	69-138	20	12/19/2009 1650
cis-1,2-Dichloroethene	50	52		1	103	8.2	70-122	20	12/19/2009 1650
trans-1,2-Dichloroethene	50	50		1	99	12	68-131	20	12/19/2009 1650
1,2-Dichloropropane	50	51		1	102	8.0	72-124	20	12/19/2009 1650
trans-1,3-Dichloropropene	50	54		1	109	1.1	70-124	20	12/19/2009 1650
cis-1,3-Dichloropropene	50	52		1	104	4.1	70-126	20	12/19/2009 1650
Ethylbenzene	50	56		1	111	10	59-128	20	12/19/2009 1650
2-Hexanone	100	120		1	118	0.90	54-137	20	12/19/2009 1650
Isopropylbenzene	50	54		1	107	11	50-136	20	12/19/2009 1650
Methyl acetate	50	50		1	99	0.92	59-137	20	12/19/2009 1650
Methyl tertiary butyl ether (MTBE)	50	57		1	115	1.5	72-122	20	12/19/2009 1650
4-Methyl-2-pentanone	100	110		1	112	0.52	60-134	20	12/19/2009 1650
Methylcyclohexane	50	52		1	103	16	41-144	20	12/19/2009 1650
Methylene chloride	50	49		1	97	7.7	77-129	20	12/19/2009 1650
Styrene	50	53		1	106	7.0	54-136	20	12/19/2009 1650
1,1,2,2-Tetrachloroethane	50	58		1	115	2.3	69-132	20	12/19/2009 1650
Tetrachloroethene	50	53		1	106	11	70-130	20	12/19/2009 1650
Toluene	50	54		1	107	9.4	61-129	20	12/19/2009 1650
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	48		1	95	14	49-136	20	12/19/2009 1650
1,2,4-Trichlorobenzene	50	62		1	123	11	34-145	20	12/19/2009 1650
1,1,1-Trichloroethane	50	50		1	101	12	63-128	20	12/19/2009 1650
1,1,2-Trichloroethane	50	55		1	109	2.3	55-128	20	12/19/2009 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 ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: KQ23963-003

Matrix: Solid

Batch: 23963

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	12	62-126	20	12/19/2009 1650
Trichlorofluoromethane	50	48		1	96	16	45-138	20	12/19/2009 1650
Vinyl chloride	50	41	+	1	83	22	42-132	20	12/19/2009 1650
Xylenes (total)	100	100		1	105	9.3	58-128	20	12/19/2009 1650
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		125	47-138						
1,2-Dichloroethane-d4		96	53-142						
Toluene-d8		115	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: KQ24377-001

Matrix: Solid

Batch: 24377

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	12/29/2009 1159
Benzene	ND		1	5.0	1.1	ug/kg	12/29/2009 1159
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	12/29/2009 1159
Bromoform	ND		1	5.0	0.70	ug/kg	12/29/2009 1159
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	12/29/2009 1159
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	12/29/2009 1159
Carbon disulfide	ND		1	5.0	1.3	ug/kg	12/29/2009 1159
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	12/29/2009 1159
Chlorobenzene	ND		1	5.0	1.7	ug/kg	12/29/2009 1159
Chloroethane	ND		1	5.0	1.3	ug/kg	12/29/2009 1159
Chloroform	ND		1	5.0	0.83	ug/kg	12/29/2009 1159
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	12/29/2009 1159
Cyclohexane	ND		1	5.0	0.67	ug/kg	12/29/2009 1159
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	12/29/2009 1159
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	12/29/2009 1159
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	12/29/2009 1159
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/29/2009 1159
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/29/2009 1159
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/29/2009 1159
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	12/29/2009 1159
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	12/29/2009 1159
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	12/29/2009 1159
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	12/29/2009 1159
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	12/29/2009 1159
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	12/29/2009 1159
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	12/29/2009 1159
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	12/29/2009 1159
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	12/29/2009 1159
Ethylbenzene	ND		1	5.0	1.7	ug/kg	12/29/2009 1159
2-Hexanone	ND		1	10	1.3	ug/kg	12/29/2009 1159
Isopropylbenzene	ND		1	5.0	0.80	ug/kg	12/29/2009 1159
Methyl acetate	ND		1	5.0	0.67	ug/kg	12/29/2009 1159
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	12/29/2009 1159
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	12/29/2009 1159
Methylcyclohexane	ND		1	5.0	0.61	ug/kg	12/29/2009 1159
Methylene chloride	ND		1	5.0	2.6	ug/kg	12/29/2009 1159
Styrene	ND		1	5.0	1.1	ug/kg	12/29/2009 1159
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	12/29/2009 1159
Tetrachloroethene	ND		1	5.0	2.3	ug/kg	12/29/2009 1159
Toluene	ND		1	5.0	1.7	ug/kg	12/29/2009 1159
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	2.1	ug/kg	12/29/2009 1159
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	12/29/2009 1159
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	12/29/2009 1159
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	12/29/2009 1159

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: KQ24377-001

Matrix: Solid

Batch: 24377

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	12/29/2009 1159
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	12/29/2009 1159
Vinyl chloride	ND		1	5.0	0.86	ug/kg	12/29/2009 1159
Xylenes (total)	ND		1	5.0	2.9	ug/kg	12/29/2009 1159
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		85	47-138				
1,2-Dichloroethane-d4		67	53-142				
Toluene-d8		81	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: KQ24377-002

Matrix: Solid

Batch: 24377

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	96		1	96	42-149	12/29/2009 1026
Benzene	50	53		1	106	69-123	12/29/2009 1026
Bromodichloromethane	50	54		1	107	69-121	12/29/2009 1026
Bromoform	50	52		1	104	61-119	12/29/2009 1026
Bromomethane (Methyl bromide)	50	54		1	108	35-144	12/29/2009 1026
2-Butanone (MEK)	100	90		1	90	57-148	12/29/2009 1026
Carbon disulfide	50	56		1	111	58-122	12/29/2009 1026
Carbon tetrachloride	50	54		1	109	58-136	12/29/2009 1026
Chlorobenzene	50	55		1	110	59-129	12/29/2009 1026
Chloroethane	50	54		1	108	50-132	12/29/2009 1026
Chloroform	50	54		1	107	71-125	12/29/2009 1026
Chloromethane (Methyl chloride)	50	56		1	112	34-134	12/29/2009 1026
Cyclohexane	50	55		1	109	53-139	12/29/2009 1026
1,2-Dibromo-3-chloropropane (DBCP)	50	55		1	111	55-125	12/29/2009 1026
Dibromochloromethane	50	52		1	104	66-119	12/29/2009 1026
1,2-Dibromoethane (EDB)	50	54		1	108	74-124	12/29/2009 1026
1,4-Dichlorobenzene	50	59		1	117	52-133	12/29/2009 1026
1,3-Dichlorobenzene	50	59		1	117	51-134	12/29/2009 1026
1,2-Dichlorobenzene	50	58		1	116	57-131	12/29/2009 1026
Dichlorodifluoromethane	50	70		1	139	10-157	12/29/2009 1026
1,2-Dichloroethane	50	51		1	102	67-129	12/29/2009 1026
1,1-Dichloroethane	50	52		1	105	71-127	12/29/2009 1026
trans-1,2-Dichloroethene	50	54		1	108	68-131	12/29/2009 1026
cis-1,2-Dichloroethene	50	53		1	106	70-122	12/29/2009 1026
1,1-Dichloroethene	50	54		1	108	69-138	12/29/2009 1026
1,2-Dichloropropane	50	52		1	104	72-124	12/29/2009 1026
trans-1,3-Dichloropropene	50	53		1	105	70-124	12/29/2009 1026
cis-1,3-Dichloropropene	50	51		1	102	70-126	12/29/2009 1026
Ethylbenzene	50	57		1	114	59-128	12/29/2009 1026
2-Hexanone	100	97		1	97	54-137	12/29/2009 1026
Isopropylbenzene	50	58		1	116	50-136	12/29/2009 1026
Methyl acetate	50	43		1	86	59-137	12/29/2009 1026
Methyl tertiary butyl ether (MTBE)	50	52		1	103	72-122	12/29/2009 1026
4-Methyl-2-pentanone	100	98		1	98	60-134	12/29/2009 1026
Methylcyclohexane	50	53		1	106	41-144	12/29/2009 1026
Methylene chloride	50	51		1	103	77-129	12/29/2009 1026
Styrene	50	54		1	109	54-136	12/29/2009 1026
1,1,2,2-Tetrachloroethane	50	57		1	114	69-132	12/29/2009 1026
Tetrachloroethene	50	55		1	110	70-130	12/29/2009 1026
Toluene	50	55		1	109	61-129	12/29/2009 1026
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	51		1	103	49-136	12/29/2009 1026
1,2,4-Trichlorobenzene	50	61		1	122	34-145	12/29/2009 1026
1,1,2-Trichloroethane	50	53		1	106	55-128	12/29/2009 1026
1,1,1-Trichloroethane	50	54		1	107	63-128	12/29/2009 1026

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: KQ24377-002

Matrix: Solid

Batch: 24377

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	54		1	108	62-126	12/29/2009 1026
Trichlorofluoromethane	50	56		1	112	45-138	12/29/2009 1026
Vinyl chloride	50	57		1	113	42-132	12/29/2009 1026
Xylenes (total)	100	110		1	113	58-128	12/29/2009 1026
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		93	47-138				
1,2-Dichloroethane-d4		70	53-142				
Toluene-d8		86	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: KQ24377-003

Matrix: Solid

Batch: 24377

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	88		1	88	8.6	42-149	20	12/29/2009 1049
Benzene	50	52		1	105	0.56	69-123	20	12/29/2009 1049
Bromodichloromethane	50	55		1	109	1.7	69-121	20	12/29/2009 1049
Bromoform	50	52		1	104	0.14	61-119	20	12/29/2009 1049
Bromomethane (Methyl bromide)	50	52		1	104	3.4	35-144	20	12/29/2009 1049
2-Butanone (MEK)	100	90		1	90	0.21	57-148	20	12/29/2009 1049
Carbon disulfide	50	54		1	109	2.2	58-122	20	12/29/2009 1049
Carbon tetrachloride	50	54		1	107	1.4	58-136	20	12/29/2009 1049
Chlorobenzene	50	55		1	109	0.65	59-129	20	12/29/2009 1049
Chloroethane	50	51		1	102	5.6	50-132	20	12/29/2009 1049
Chloroform	50	53		1	105	1.5	71-125	20	12/29/2009 1049
Chloromethane (Methyl chloride)	50	53		1	105	6.4	34-134	20	12/29/2009 1049
Cyclohexane	50	53		1	107	2.0	53-139	20	12/29/2009 1049
1,2-Dibromo-3-chloropropane (DBCP)	50	58		1	116	4.6	55-125	20	12/29/2009 1049
Dibromochloromethane	50	52		1	104	0.28	66-119	20	12/29/2009 1049
1,2-Dibromoethane (EDB)	50	53		1	107	0.72	74-124	20	12/29/2009 1049
1,4-Dichlorobenzene	50	57		1	115	2.0	52-133	20	12/29/2009 1049
1,3-Dichlorobenzene	50	58		1	117	0.23	51-134	20	12/29/2009 1049
1,2-Dichlorobenzene	50	58		1	115	0.51	57-131	20	12/29/2009 1049
Dichlorodifluoromethane	50	68		1	136	2.7	10-157	20	12/29/2009 1049
1,2-Dichloroethane	50	51		1	102	0.57	67-129	20	12/29/2009 1049
1,1-Dichloroethane	50	52		1	104	1.2	71-127	20	12/29/2009 1049
trans-1,2-Dichloroethene	50	53		1	107	1.2	68-131	20	12/29/2009 1049
cis-1,2-Dichloroethene	50	53		1	106	0.63	70-122	20	12/29/2009 1049
1,1-Dichloroethene	50	52		1	105	2.9	69-138	20	12/29/2009 1049
1,2-Dichloropropane	50	52		1	105	0.82	72-124	20	12/29/2009 1049
trans-1,3-Dichloropropene	50	52		1	104	1.3	70-124	20	12/29/2009 1049
cis-1,3-Dichloropropene	50	52		1	104	1.3	70-126	20	12/29/2009 1049
Ethylbenzene	50	56		1	113	1.6	59-128	20	12/29/2009 1049
2-Hexanone	100	100		1	100	3.0	54-137	20	12/29/2009 1049
Isopropylbenzene	50	58		1	115	1.1	50-136	20	12/29/2009 1049
Methyl acetate	50	44		1	87	1.2	59-137	20	12/29/2009 1049
Methyl tertiary butyl ether (MTBE)	50	52		1	104	0.95	72-122	20	12/29/2009 1049
4-Methyl-2-pentanone	100	99		1	99	0.46	60-134	20	12/29/2009 1049
Methylcyclohexane	50	53		1	106	0.24	41-144	20	12/29/2009 1049
Methylene chloride	50	52		1	103	0.54	77-129	20	12/29/2009 1049
Styrene	50	54		1	108	0.51	54-136	20	12/29/2009 1049
1,1,2,2-Tetrachloroethane	50	57		1	115	0.78	69-132	20	12/29/2009 1049
Tetrachloroethene	50	54		1	107	2.1	70-130	20	12/29/2009 1049
Toluene	50	54		1	108	1.2	61-129	20	12/29/2009 1049
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	49		1	99	4.1	49-136	20	12/29/2009 1049
1,2,4-Trichlorobenzene	50	62		1	124	1.9	34-145	20	12/29/2009 1049
1,1,2-Trichloroethane	50	54		1	108	1.6	55-128	20	12/29/2009 1049
1,1,1-Trichloroethane	50	53		1	106	1.5	63-128	20	12/29/2009 1049

PQL = Practical quantitation limit

P = The RPD between 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: KQ24377-003

Matrix: Solid

Batch: 24377

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	54		1	107	1.1	62-126	20	12/29/2009 1049
Trichlorofluoromethane	50	55		1	109	3.1	45-138	20	12/29/2009 1049
Vinyl chloride	50	51		1	103	9.7	42-132	20	12/29/2009 1049
Xylenes (total)	100	110		1	111	1.9	58-128	20	12/29/2009 1049
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		89	47-138						
1,2-Dichloroethane-d4		68	53-142						
Toluene-d8		81	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: KQ24386-001

Matrix: Solid

Batch: 24386

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	12/28/2009 1242
Benzene	ND		1	5.0	1.1	ug/kg	12/28/2009 1242
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	12/28/2009 1242
Bromoform	ND		1	5.0	0.70	ug/kg	12/28/2009 1242
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	12/28/2009 1242
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	12/28/2009 1242
Carbon disulfide	ND		1	5.0	1.3	ug/kg	12/28/2009 1242
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	12/28/2009 1242
Chlorobenzene	ND		1	5.0	1.7	ug/kg	12/28/2009 1242
Chloroethane	ND		1	5.0	1.3	ug/kg	12/28/2009 1242
Chloroform	ND		1	5.0	0.83	ug/kg	12/28/2009 1242
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	12/28/2009 1242
Cyclohexane	ND		1	5.0	0.67	ug/kg	12/28/2009 1242
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	12/28/2009 1242
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	12/28/2009 1242
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	12/28/2009 1242
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/28/2009 1242
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/28/2009 1242
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/28/2009 1242
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	12/28/2009 1242
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	12/28/2009 1242
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	12/28/2009 1242
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	12/28/2009 1242
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	12/28/2009 1242
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	12/28/2009 1242
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	12/28/2009 1242
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	12/28/2009 1242
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	12/28/2009 1242
Ethylbenzene	ND		1	5.0	1.7	ug/kg	12/28/2009 1242
2-Hexanone	ND		1	10	1.3	ug/kg	12/28/2009 1242
Isopropylbenzene	ND		1	5.0	0.80	ug/kg	12/28/2009 1242
Methyl acetate	ND		1	5.0	0.67	ug/kg	12/28/2009 1242
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	12/28/2009 1242
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	12/28/2009 1242
Methylcyclohexane	ND		1	5.0	0.61	ug/kg	12/28/2009 1242
Methylene chloride	ND		1	5.0	2.6	ug/kg	12/28/2009 1242
Styrene	ND		1	5.0	1.1	ug/kg	12/28/2009 1242
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	12/28/2009 1242
Tetrachloroethene	ND		1	5.0	2.3	ug/kg	12/28/2009 1242
Toluene	ND		1	5.0	1.7	ug/kg	12/28/2009 1242
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	2.1	ug/kg	12/28/2009 1242
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	12/28/2009 1242
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	12/28/2009 1242
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	12/28/2009 1242

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: KQ24386-001

Matrix: Solid

Batch: 24386

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	12/28/2009 1242
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	12/28/2009 1242
Vinyl chloride	ND		1	5.0	0.86	ug/kg	12/28/2009 1242
Xylenes (total)	ND		1	5.0	2.9	ug/kg	12/28/2009 1242
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		87	47-138				
1,2-Dichloroethane-d4		67	53-142				
Toluene-d8		81	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: KQ24386-002

Matrix: Solid

Batch: 24386

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	135	42-149	12/28/2009 1110
Benzene	50	54		1	109	69-123	12/28/2009 1110
Bromodichloromethane	50	57		1	113	69-121	12/28/2009 1110
Bromoform	50	55		1	110	61-119	12/28/2009 1110
Bromomethane (Methyl bromide)	50	54		1	108	35-144	12/28/2009 1110
2-Butanone (MEK)	100	110		1	106	57-148	12/28/2009 1110
Carbon disulfide	50	55		1	111	58-122	12/28/2009 1110
Carbon tetrachloride	50	54		1	109	58-136	12/28/2009 1110
Chlorobenzene	50	57		1	115	59-129	12/28/2009 1110
Chloroethane	50	54		1	108	50-132	12/28/2009 1110
Chloroform	50	54		1	108	71-125	12/28/2009 1110
Chloromethane (Methyl chloride)	50	49		1	98	34-134	12/28/2009 1110
Cyclohexane	50	53		1	106	53-139	12/28/2009 1110
1,2-Dibromo-3-chloropropane (DBCP)	50	59		1	118	55-125	12/28/2009 1110
Dibromochloromethane	50	55		1	110	66-119	12/28/2009 1110
1,2-Dibromoethane (EDB)	50	58		1	116	74-124	12/28/2009 1110
1,3-Dichlorobenzene	50	60		1	121	51-134	12/28/2009 1110
1,2-Dichlorobenzene	50	60		1	120	57-131	12/28/2009 1110
1,4-Dichlorobenzene	50	57		1	113	52-133	12/28/2009 1110
Dichlorodifluoromethane	50	70		1	141	10-157	12/28/2009 1110
1,2-Dichloroethane	50	52		1	104	67-129	12/28/2009 1110
1,1-Dichloroethane	50	53		1	105	71-127	12/28/2009 1110
trans-1,2-Dichloroethene	50	55		1	110	68-131	12/28/2009 1110
cis-1,2-Dichloroethene	50	55		1	110	70-122	12/28/2009 1110
1,1-Dichloroethene	50	54		1	109	69-138	12/28/2009 1110
1,2-Dichloropropane	50	54		1	108	72-124	12/28/2009 1110
trans-1,3-Dichloropropene	50	56		1	113	70-124	12/28/2009 1110
cis-1,3-Dichloropropene	50	54		1	108	70-126	12/28/2009 1110
Ethylbenzene	50	60		1	120	59-128	12/28/2009 1110
2-Hexanone	100	110		1	109	54-137	12/28/2009 1110
Isopropylbenzene	50	61		1	122	50-136	12/28/2009 1110
Methyl acetate	50	49		1	98	59-137	12/28/2009 1110
Methyl tertiary butyl ether (MTBE)	50	54		1	109	72-122	12/28/2009 1110
4-Methyl-2-pentanone	100	110		1	105	60-134	12/28/2009 1110
Methylcyclohexane	50	54		1	108	41-144	12/28/2009 1110
Methylene chloride	50	53		1	105	77-129	12/28/2009 1110
Styrene	50	58		1	115	54-136	12/28/2009 1110
1,1,2,2-Tetrachloroethane	50	61		1	122	69-132	12/28/2009 1110
Tetrachloroethene	50	57		1	114	70-130	12/28/2009 1110
Toluene	50	57		1	114	61-129	12/28/2009 1110
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	52		1	104	49-136	12/28/2009 1110
1,2,4-Trichlorobenzene	50	52		1	104	34-145	12/28/2009 1110
1,1,2-Trichloroethane	50	57		1	114	55-128	12/28/2009 1110
1,1,1-Trichloroethane	50	54		1	108	63-128	12/28/2009 1110

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: KQ24386-002

Matrix: Solid

Batch: 24386

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	56		1	112	62-126	12/28/2009 1110
Trichlorofluoromethane	50	56		1	111	45-138	12/28/2009 1110
Vinyl chloride	50	52		1	103	42-132	12/28/2009 1110
Xylenes (total)	100	120		1	119	58-128	12/28/2009 1110
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		92	47-138				
1,2-Dichloroethane-d4		69	53-142				
Toluene-d8		84	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: KQ24386-003

Matrix: Solid

Batch: 24386

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	120		1	125	7.6	42-149	20	12/28/2009 1133
Benzene	50	55		1	109	0.69	69-123	20	12/28/2009 1133
Bromodichloromethane	50	57		1	114	1.0	69-121	20	12/28/2009 1133
Bromoform	50	56		1	113	3.0	61-119	20	12/28/2009 1133
Bromomethane (Methyl bromide)	50	54		1	109	0.76	35-144	20	12/28/2009 1133
2-Butanone (MEK)	100	110		1	107	0.63	57-148	20	12/28/2009 1133
Carbon disulfide	50	56		1	113	1.7	58-122	20	12/28/2009 1133
Carbon tetrachloride	50	55		1	111	2.0	58-136	20	12/28/2009 1133
Chlorobenzene	50	59		1	118	3.0	59-129	20	12/28/2009 1133
Chloroethane	50	54		1	107	1.2	50-132	20	12/28/2009 1133
Chloroform	50	55		1	110	1.9	71-125	20	12/28/2009 1133
Chloromethane (Methyl chloride)	50	52		1	105	6.7	34-134	20	12/28/2009 1133
Cyclohexane	50	55		1	110	3.5	53-139	20	12/28/2009 1133
1,2-Dibromo-3-chloropropane (DBCP)	50	64	N	1	128	7.9	55-125	20	12/28/2009 1133
Dibromochloromethane	50	56		1	113	2.7	66-119	20	12/28/2009 1133
1,2-Dibromoethane (EDB)	50	60		1	120	3.0	74-124	20	12/28/2009 1133
1,3-Dichlorobenzene	50	62		1	124	2.5	51-134	20	12/28/2009 1133
1,2-Dichlorobenzene	50	62		1	125	4.1	57-131	20	12/28/2009 1133
1,4-Dichlorobenzene	50	58		1	116	2.5	52-133	20	12/28/2009 1133
Dichlorodifluoromethane	50	72		1	144	2.4	10-157	20	12/28/2009 1133
1,2-Dichloroethane	50	53		1	106	2.5	67-129	20	12/28/2009 1133
1,1-Dichloroethane	50	53		1	107	1.3	71-127	20	12/28/2009 1133
trans-1,2-Dichloroethene	50	56		1	111	1.4	68-131	20	12/28/2009 1133
cis-1,2-Dichloroethene	50	55		1	110	0.72	70-122	20	12/28/2009 1133
1,1-Dichloroethene	50	54		1	108	0.17	69-138	20	12/28/2009 1133
1,2-Dichloropropane	50	55		1	110	2.2	72-124	20	12/28/2009 1133
trans-1,3-Dichloropropene	50	58		1	116	3.3	70-124	20	12/28/2009 1133
cis-1,3-Dichloropropene	50	56		1	111	2.4	70-126	20	12/28/2009 1133
Ethylbenzene	50	61		1	122	1.5	59-128	20	12/28/2009 1133
2-Hexanone	100	110		1	114	4.3	54-137	20	12/28/2009 1133
Isopropylbenzene	50	62		1	124	1.3	50-136	20	12/28/2009 1133
Methyl acetate	50	50		1	101	2.6	59-137	20	12/28/2009 1133
Methyl tertiary butyl ether (MTBE)	50	56		1	112	2.9	72-122	20	12/28/2009 1133
4-Methyl-2-pentanone	100	110		1	108	2.2	60-134	20	12/28/2009 1133
Methylcyclohexane	50	55		1	110	1.7	41-144	20	12/28/2009 1133
Methylene chloride	50	53		1	107	1.6	77-129	20	12/28/2009 1133
Styrene	50	59		1	117	1.9	54-136	20	12/28/2009 1133
1,1,2,2-Tetrachloroethane	50	63		1	125	2.7	69-132	20	12/28/2009 1133
Tetrachloroethene	50	58		1	115	1.4	70-130	20	12/28/2009 1133
Toluene	50	57		1	115	0.92	61-129	20	12/28/2009 1133
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	52		1	104	0.59	49-136	20	12/28/2009 1133
1,2,4-Trichlorobenzene	50	63		1	125	19	34-145	20	12/28/2009 1133
1,1,2-Trichloroethane	50	59		1	117	3.0	55-128	20	12/28/2009 1133
1,1,1-Trichloroethane	50	55		1	110	1.9	63-128	20	12/28/2009 1133

PQL = Practical quantitation limit

P = The RPD between 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: KQ24386-003

Matrix: Solid

Batch: 24386

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	57		1	113	1.3	62-126	20	12/28/2009 1133
Trichlorofluoromethane	50	57		1	113	1.7	45-138	20	12/28/2009 1133
Vinyl chloride	50	52		1	104	0.75	42-132	20	12/28/2009 1133
Xylenes (total)	100	120		1	120	0.93	58-128	20	12/28/2009 1133
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		93	47-138						
1,2-Dichloroethane-d4		70	53-142						
Toluene-d8		84	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: KQ24397-001

Matrix: Aqueous

Batch: 24397

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	10	0.061	ug/L	12/24/2009 1252
Benzene	ND		1	0.50	0.027	ug/L	12/24/2009 1252
Bromodichloromethane	ND		1	0.50	0.17	ug/L	12/24/2009 1252
Bromoform	ND		1	0.50	0.010	ug/L	12/24/2009 1252
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	12/24/2009 1252
2-Butanone (MEK)	ND		1	10	2.0	ug/L	12/24/2009 1252
Carbon disulfide	ND		1	0.50	0.097	ug/L	12/24/2009 1252
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	12/24/2009 1252
Chlorobenzene	ND		1	0.50	0.17	ug/L	12/24/2009 1252
Chloroethane	ND		1	0.50	0.17	ug/L	12/24/2009 1252
Chloroform	ND		1	0.50	0.17	ug/L	12/24/2009 1252
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	12/24/2009 1252
Cyclohexane	ND		1	0.50	0.30	ug/L	12/24/2009 1252
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	12/24/2009 1252
Dibromochloromethane	ND		1	0.50	0.17	ug/L	12/24/2009 1252
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	12/24/2009 1252
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/24/2009 1252
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/24/2009 1252
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	12/24/2009 1252
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	12/24/2009 1252
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	12/24/2009 1252
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	12/24/2009 1252
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	12/24/2009 1252
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	12/24/2009 1252
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	12/24/2009 1252
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	12/24/2009 1252
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	12/24/2009 1252
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	12/24/2009 1252
Ethylbenzene	ND		1	0.50	0.17	ug/L	12/24/2009 1252
2-Hexanone	ND		1	10	0.27	ug/L	12/24/2009 1252
Isopropylbenzene	ND		1	0.50	0.029	ug/L	12/24/2009 1252
Methyl acetate	ND		1	1.0	0.30	ug/L	12/24/2009 1252
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	12/24/2009 1252
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	12/24/2009 1252
Methylcyclohexane	ND		1	5.0	0.95	ug/L	12/24/2009 1252
Methylene chloride	ND		1	0.50	0.17	ug/L	12/24/2009 1252
Styrene	ND		1	0.50	0.015	ug/L	12/24/2009 1252
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	12/24/2009 1252
Tetrachloroethene	ND		1	0.50	0.014	ug/L	12/24/2009 1252
Toluene	ND		1	0.50	0.17	ug/L	12/24/2009 1252
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	12/24/2009 1252
1,2,4-Trichlorobenzene	ND		1	0.50	0.17	ug/L	12/24/2009 1252
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	12/24/2009 1252
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	12/24/2009 1252

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: KQ24397-001

Matrix: Aqueous

Batch: 24397

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.024	ug/L	12/24/2009 1252
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	12/24/2009 1252
Vinyl chloride	ND		1	0.50	0.065	ug/L	12/24/2009 1252
Xylenes (total)	ND		1	0.50	0.17	ug/L	12/24/2009 1252
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		112	70-130				
1,2-Dichloroethane-d4		109	70-130				
Toluene-d8		114	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: KQ24397-002

Matrix: Aqueous

Batch: 24397

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	123	46-153	12/24/2009 1128
Benzene	50	49		1	98	70-130	12/24/2009 1128
Bromodichloromethane	50	51		1	102	70-130	12/24/2009 1128
Bromoform	50	53		1	106	70-130	12/24/2009 1128
Bromomethane (Methyl bromide)	50	53		1	106	60-140	12/24/2009 1128
2-Butanone (MEK)	100	100		1	104	60-140	12/24/2009 1128
Carbon disulfide	50	54		1	108	60-140	12/24/2009 1128
Carbon tetrachloride	50	56		1	112	70-130	12/24/2009 1128
Chlorobenzene	50	49		1	99	70-130	12/24/2009 1128
Chloroethane	50	56		1	112	42-163	12/24/2009 1128
Chloroform	50	47		1	95	70-130	12/24/2009 1128
Chloromethane (Methyl chloride)	50	58		1	115	20-158	12/24/2009 1128
Cyclohexane	50	57		1	114	70-130	12/24/2009 1128
1,2-Dibromo-3-chloropropane (DBCP)	50	58		1	115	70-130	12/24/2009 1128
Dibromochloromethane	50	53		1	105	70-130	12/24/2009 1128
1,2-Dibromoethane (EDB)	50	49		1	98	70-130	12/24/2009 1128
1,2-Dichlorobenzene	50	46		1	93	70-130	12/24/2009 1128
1,4-Dichlorobenzene	50	57		1	115	70-130	12/24/2009 1128
1,3-Dichlorobenzene	50	46		1	92	70-130	12/24/2009 1128
Dichlorodifluoromethane	50	71	N	1	143	60-140	12/24/2009 1128
1,1-Dichloroethane	50	49		1	98	70-130	12/24/2009 1128
1,2-Dichloroethane	50	48		1	95	70-130	12/24/2009 1128
1,1-Dichloroethene	50	52		1	104	70-130	12/24/2009 1128
trans-1,2-Dichloroethene	50	49		1	99	70-130	12/24/2009 1128
cis-1,2-Dichloroethene	50	48		1	96	70-130	12/24/2009 1128
1,2-Dichloropropane	50	49		1	97	70-130	12/24/2009 1128
cis-1,3-Dichloropropene	50	50		1	100	70-130	12/24/2009 1128
trans-1,3-Dichloropropene	50	51		1	101	70-130	12/24/2009 1128
Ethylbenzene	50	49		1	99	70-130	12/24/2009 1128
2-Hexanone	100	91		1	91	60-140	12/24/2009 1128
Isopropylbenzene	50	53		1	106	70-130	12/24/2009 1128
Methyl acetate	50	54		1	109	15-128	12/24/2009 1128
Methyl tertiary butyl ether (MTBE)	50	46		1	93	70-130	12/24/2009 1128
4-Methyl-2-pentanone	100	92		1	92	60-140	12/24/2009 1128
Methylcyclohexane	50	58		1	115	70-130	12/24/2009 1128
Methylene chloride	50	48		1	96	70-130	12/24/2009 1128
Styrene	50	51		1	102	70-130	12/24/2009 1128
1,1,2,2-Tetrachloroethane	50	49		1	98	70-130	12/24/2009 1128
Tetrachloroethene	50	51		1	102	70-130	12/24/2009 1128
Toluene	50	49		1	97	70-130	12/24/2009 1128
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	53		1	105	70-130	12/24/2009 1128
1,2,4-Trichlorobenzene	50	53		1	106	70-130	12/24/2009 1128
1,1,2-Trichloroethane	50	48		1	97	70-130	12/24/2009 1128
1,1,1-Trichloroethane	50	51		1	101	70-130	12/24/2009 1128

PQL = Practical quantitation limit

P = The RPD between 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: KQ24397-002

Matrix: Aqueous

Batch: 24397

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	49		1	98	70-130	12/24/2009 1128
Trichlorofluoromethane	50	61		1	123	60-140	12/24/2009 1128
Vinyl chloride	50	59		1	118	60-140	12/24/2009 1128
Xylenes (total)	100	97		1	97	70-130	12/24/2009 1128
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		114	70-130				
1,2-Dichloroethane-d4		113	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: KQ24397-003

Batch: 24397

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	110		1	114	8.0	46-153	20	12/24/2009 1149
Benzene	50	50		1	100	2.4	70-130	20	12/24/2009 1149
Bromodichloromethane	50	52		1	103	1.3	70-130	20	12/24/2009 1149
Bromoform	50	53		1	105	1.1	70-130	20	12/24/2009 1149
Bromomethane (Methyl bromide)	50	56		1	112	5.0	60-140	20	12/24/2009 1149
2-Butanone (MEK)	100	100		1	103	1.1	60-140	20	12/24/2009 1149
Carbon disulfide	50	55		1	109	1.3	60-140	20	12/24/2009 1149
Carbon tetrachloride	50	57		1	114	1.9	70-130	20	12/24/2009 1149
Chlorobenzene	50	50		1	100	1.5	70-130	20	12/24/2009 1149
Chloroethane	50	57		1	113	0.87	42-163	20	12/24/2009 1149
Chloroform	50	48		1	95	0.33	70-130	20	12/24/2009 1149
Chloromethane (Methyl chloride)	50	56		1	112	2.6	20-158	20	12/24/2009 1149
Cyclohexane	50	57		1	115	0.63	70-130	20	12/24/2009 1149
1,2-Dibromo-3-chloropropane (DBCP)	50	57		1	114	1.1	70-130	20	12/24/2009 1149
Dibromochloromethane	50	53		1	105	0.053	70-130	20	12/24/2009 1149
1,2-Dibromoethane (EDB)	50	49		1	98	0.37	70-130	20	12/24/2009 1149
1,2-Dichlorobenzene	50	47		1	94	0.96	70-130	20	12/24/2009 1149
1,4-Dichlorobenzene	50	59		1	117	2.2	70-130	20	12/24/2009 1149
1,3-Dichlorobenzene	50	47		1	94	2.4	70-130	20	12/24/2009 1149
Dichlorodifluoromethane	50	72	N	1	143	0.32	60-140	20	12/24/2009 1149
1,1-Dichloroethane	50	48		1	96	2.5	70-130	20	12/24/2009 1149
1,2-Dichloroethane	50	47		1	94	1.4	70-130	20	12/24/2009 1149
1,1-Dichloroethene	50	53		1	107	2.4	70-130	20	12/24/2009 1149
trans-1,2-Dichloroethene	50	50		1	100	1.1	70-130	20	12/24/2009 1149
cis-1,2-Dichloroethene	50	48		1	97	1.1	70-130	20	12/24/2009 1149
1,2-Dichloropropane	50	49		1	98	0.92	70-130	20	12/24/2009 1149
cis-1,3-Dichloropropene	50	50		1	101	0.42	70-130	20	12/24/2009 1149
trans-1,3-Dichloropropene	50	51		1	101	0.17	70-130	20	12/24/2009 1149
Ethylbenzene	50	50		1	101	2.2	70-130	20	12/24/2009 1149
2-Hexanone	100	88		1	88	2.8	60-140	20	12/24/2009 1149
Isopropylbenzene	50	54		1	108	1.6	70-130	20	12/24/2009 1149
Methyl acetate	50	52		1	104	5.1	15-128	20	12/24/2009 1149
Methyl tertiary butyl ether (MTBE)	50	45		1	89	3.6	70-130	20	12/24/2009 1149
4-Methyl-2-pentanone	100	89		1	89	4.0	60-140	20	12/24/2009 1149
Methylcyclohexane	50	60		1	120	3.9	70-130	20	12/24/2009 1149
Methylene chloride	50	48		1	96	0.58	70-130	20	12/24/2009 1149
Styrene	50	52		1	103	1.9	70-130	20	12/24/2009 1149
1,1,2,2-Tetrachloroethane	50	48		1	97	1.6	70-130	20	12/24/2009 1149
Tetrachloroethene	50	53		1	107	4.3	70-130	20	12/24/2009 1149
Toluene	50	49		1	99	1.7	70-130	20	12/24/2009 1149
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	55		1	111	5.1	70-130	20	12/24/2009 1149
1,2,4-Trichlorobenzene	50	54		1	108	1.9	70-130	20	12/24/2009 1149
1,1,2-Trichloroethane	50	49		1	97	0.39	70-130	20	12/24/2009 1149
1,1,1-Trichloroethane	50	51		1	102	0.67	70-130	20	12/24/2009 1149

PQL = Practical quantitation limit

P = The RPD between 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: KQ24397-003

Matrix: Aqueous

Batch: 24397

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	4.0	70-130	20	12/24/2009 1149
Trichlorofluoromethane	50	64		1	128	4.1	60-140	20	12/24/2009 1149
Vinyl chloride	50	59		1	119	1.0	60-140	20	12/24/2009 1149
Xylenes (total)	100	98		1	98	1.1	70-130	20	12/24/2009 1149
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		112	70-130						
1,2-Dichloroethane-d4		112	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 - 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

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ24599-001

Matrix: Solid

Batch: 24599

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	12/30/2009 2323
Benzene	ND		1	5.0	1.1	ug/kg	12/30/2009 2323
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	12/30/2009 2323
Bromoform	ND		1	5.0	0.70	ug/kg	12/30/2009 2323
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	12/30/2009 2323
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	12/30/2009 2323
Carbon disulfide	ND		1	5.0	1.3	ug/kg	12/30/2009 2323
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	12/30/2009 2323
Chlorobenzene	ND		1	5.0	1.7	ug/kg	12/30/2009 2323
Chloroethane	ND		1	5.0	1.3	ug/kg	12/30/2009 2323
Chloroform	ND		1	5.0	0.83	ug/kg	12/30/2009 2323
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	12/30/2009 2323
Cyclohexane	ND		1	5.0	0.67	ug/kg	12/30/2009 2323
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	12/30/2009 2323
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	12/30/2009 2323
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	12/30/2009 2323
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/30/2009 2323
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/30/2009 2323
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/30/2009 2323
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	12/30/2009 2323
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	12/30/2009 2323
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	12/30/2009 2323
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	12/30/2009 2323
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	12/30/2009 2323
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	12/30/2009 2323
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	12/30/2009 2323
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	12/30/2009 2323
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	12/30/2009 2323
Ethylbenzene	ND		1	5.0	1.7	ug/kg	12/30/2009 2323
2-Hexanone	ND		1	10	1.3	ug/kg	12/30/2009 2323
Isopropylbenzene	ND		1	5.0	0.80	ug/kg	12/30/2009 2323
Methyl acetate	ND		1	5.0	0.67	ug/kg	12/30/2009 2323
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	12/30/2009 2323
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	12/30/2009 2323
Methylcyclohexane	ND		1	5.0	0.61	ug/kg	12/30/2009 2323
Methylene chloride	ND		1	5.0	2.6	ug/kg	12/30/2009 2323
Styrene	ND		1	5.0	1.1	ug/kg	12/30/2009 2323
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	12/30/2009 2323
Tetrachloroethene	ND		1	5.0	2.3	ug/kg	12/30/2009 2323
Toluene	ND		1	5.0	1.7	ug/kg	12/30/2009 2323
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	2.1	ug/kg	12/30/2009 2323
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	12/30/2009 2323
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	12/30/2009 2323
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	12/30/2009 2323

PQL = Practical quantitation limit

P = The RPD between 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: LQ24599-001

Matrix: Solid

Batch: 24599

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	12/30/2009 2323
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	12/30/2009 2323
Vinyl chloride	ND		1	5.0	0.86	ug/kg	12/30/2009 2323
Xylenes (total)	ND		1	5.0	2.9	ug/kg	12/30/2009 2323
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		85	47-138				
1,2-Dichloroethane-d4		70	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 - LCS

Sample ID: LQ24599-002

Matrix: Solid

Batch: 24599

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	109	42-149	12/30/2009 2207
Benzene	50	49		1	97	69-123	12/30/2009 2207
Bromodichloromethane	50	54		1	107	69-121	12/30/2009 2207
Bromoform	50	53		1	107	61-119	12/30/2009 2207
Bromomethane (Methyl bromide)	50	48		1	95	35-144	12/30/2009 2207
2-Butanone (MEK)	100	96		1	96	57-148	12/30/2009 2207
Carbon disulfide	50	47		1	94	58-122	12/30/2009 2207
Carbon tetrachloride	50	46		1	92	58-136	12/30/2009 2207
Chlorobenzene	50	49		1	98	59-129	12/30/2009 2207
Chloroethane	50	48		1	97	50-132	12/30/2009 2207
Chloroform	50	52		1	104	71-125	12/30/2009 2207
Chloromethane (Methyl chloride)	50	41		1	81	34-134	12/30/2009 2207
Cyclohexane	50	44		1	88	53-139	12/30/2009 2207
1,2-Dibromo-3-chloropropane (DBCP)	50	58		1	117	55-125	12/30/2009 2207
Dibromochloromethane	50	53		1	106	66-119	12/30/2009 2207
1,2-Dibromoethane (EDB)	50	56		1	111	74-124	12/30/2009 2207
1,3-Dichlorobenzene	50	45		1	90	51-134	12/30/2009 2207
1,4-Dichlorobenzene	50	43		1	87	52-133	12/30/2009 2207
1,2-Dichlorobenzene	50	48		1	96	57-131	12/30/2009 2207
Dichlorodifluoromethane	50	54		1	109	10-157	12/30/2009 2207
1,2-Dichloroethane	50	52		1	105	67-129	12/30/2009 2207
1,1-Dichloroethane	50	50		1	100	71-127	12/30/2009 2207
trans-1,2-Dichloroethene	50	48		1	95	68-131	12/30/2009 2207
1,1-Dichloroethene	50	46		1	91	69-138	12/30/2009 2207
cis-1,2-Dichloroethene	50	51		1	102	70-122	12/30/2009 2207
1,2-Dichloropropane	50	51		1	102	72-124	12/30/2009 2207
cis-1,3-Dichloropropene	50	48		1	96	70-126	12/30/2009 2207
trans-1,3-Dichloropropene	50	50		1	101	70-124	12/30/2009 2207
Ethylbenzene	50	49		1	97	59-128	12/30/2009 2207
2-Hexanone	100	110		1	114	54-137	12/30/2009 2207
Isopropylbenzene	50	48		1	96	50-136	12/30/2009 2207
Methyl acetate	50	47		1	94	59-137	12/30/2009 2207
Methyl tertiary butyl ether (MTBE)	50	56		1	113	72-122	12/30/2009 2207
4-Methyl-2-pentanone	100	100		1	103	60-134	12/30/2009 2207
Methylcyclohexane	50	39		1	78	41-144	12/30/2009 2207
Methylene chloride	50	53		1	105	77-129	12/30/2009 2207
Styrene	50	48		1	95	54-136	12/30/2009 2207
1,1,2,2-Tetrachloroethane	50	52		1	105	69-132	12/30/2009 2207
Tetrachloroethene	50	42		1	84	70-130	12/30/2009 2207
Toluene	50	48		1	95	61-129	12/30/2009 2207
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	39		1	78	49-136	12/30/2009 2207
1,2,4-Trichlorobenzene	50	37		1	74	34-145	12/30/2009 2207
1,1,2-Trichloroethane	50	57		1	115	55-128	12/30/2009 2207
1,1,1-Trichloroethane	50	48		1	96	63-128	12/30/2009 2207

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LQ24599-002

Matrix: Solid

Batch: 24599

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	50		1	100	62-126	12/30/2009 2207
Trichlorofluoromethane	50	45		1	90	45-138	12/30/2009 2207
Vinyl chloride	50	40		1	80	42-132	12/30/2009 2207
Xylenes (total)	100	96		1	96	58-128	12/30/2009 2207
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		91	47-138				
1,2-Dichloroethane-d4		72	53-142				
Toluene-d8		84	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: LQ24599-003

Matrix: Solid

Batch: 24599

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	106	2.7	42-149	20	12/30/2009 2230
Benzene	50	48		1	96	1.1	69-123	20	12/30/2009 2230
Bromodichloromethane	50	54		1	108	0.26	69-121	20	12/30/2009 2230
Bromoform	50	53		1	106	0.99	61-119	20	12/30/2009 2230
Bromomethane (Methyl bromide)	50	50		1	100	5.1	35-144	20	12/30/2009 2230
2-Butanone (MEK)	100	99		1	99	2.7	57-148	20	12/30/2009 2230
Carbon disulfide	50	45		1	91	3.2	58-122	20	12/30/2009 2230
Carbon tetrachloride	50	45		1	89	3.1	58-136	20	12/30/2009 2230
Chlorobenzene	50	48		1	95	2.6	59-129	20	12/30/2009 2230
Chloroethane	50	47		1	93	3.5	50-132	20	12/30/2009 2230
Chloroform	50	51		1	101	2.9	71-125	20	12/30/2009 2230
Chloromethane (Methyl chloride)	50	40		1	79	2.2	34-134	20	12/30/2009 2230
Cyclohexane	50	42		1	83	6.0	53-139	20	12/30/2009 2230
1,2-Dibromo-3-chloropropane (DBCP)	50	61		1	122	4.3	55-125	20	12/30/2009 2230
Dibromochloromethane	50	52		1	105	1.5	66-119	20	12/30/2009 2230
1,2-Dibromoethane (EDB)	50	55		1	111	0.39	74-124	20	12/30/2009 2230
1,3-Dichlorobenzene	50	44		1	88	3.2	51-134	20	12/30/2009 2230
1,4-Dichlorobenzene	50	43		1	87	0.33	52-133	20	12/30/2009 2230
1,2-Dichlorobenzene	50	48		1	97	0.61	57-131	20	12/30/2009 2230
Dichlorodifluoromethane	50	53		1	106	3.0	10-157	20	12/30/2009 2230
1,2-Dichloroethane	50	52		1	104	0.58	67-129	20	12/30/2009 2230
1,1-Dichloroethane	50	49		1	98	2.8	71-127	20	12/30/2009 2230
trans-1,2-Dichloroethene	50	46		1	93	2.8	68-131	20	12/30/2009 2230
1,1-Dichloroethene	50	44		1	89	2.9	69-138	20	12/30/2009 2230
cis-1,2-Dichloroethene	50	50		1	100	1.4	70-122	20	12/30/2009 2230
1,2-Dichloropropane	50	51		1	102	0.57	72-124	20	12/30/2009 2230
cis-1,3-Dichloropropene	50	49		1	97	1.3	70-126	20	12/30/2009 2230
trans-1,3-Dichloropropene	50	49		1	99	1.9	70-124	20	12/30/2009 2230
Ethylbenzene	50	47		1	94	3.7	59-128	20	12/30/2009 2230
2-Hexanone	100	110		1	110	3.5	54-137	20	12/30/2009 2230
Isopropylbenzene	50	46		1	93	3.3	50-136	20	12/30/2009 2230
Methyl acetate	50	47		1	94	0.72	59-137	20	12/30/2009 2230
Methyl tertiary butyl ether (MTBE)	50	56		1	111	1.0	72-122	20	12/30/2009 2230
4-Methyl-2-pentanone	100	110		1	106	2.8	60-134	20	12/30/2009 2230
Methylcyclohexane	50	37		1	75	4.5	41-144	20	12/30/2009 2230
Methylene chloride	50	51		1	102	3.0	77-129	20	12/30/2009 2230
Styrene	50	47		1	94	1.2	54-136	20	12/30/2009 2230
1,1,2,2-Tetrachloroethane	50	53		1	106	1.3	69-132	20	12/30/2009 2230
Tetrachloroethene	50	40		1	79	5.5	70-130	20	12/30/2009 2230
Toluene	50	48		1	95	0.029	61-129	20	12/30/2009 2230
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	37		1	74	5.6	49-136	20	12/30/2009 2230
1,2,4-Trichlorobenzene	50	37		1	75	1.3	34-145	20	12/30/2009 2230
1,1,2-Trichloroethane	50	56		1	111	3.4	55-128	20	12/30/2009 2230
1,1,1-Trichloroethane	50	46		1	92	4.1	63-128	20	12/30/2009 2230

PQL = Practical quantitation limit

P = The RPD between 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: LQ24599-003

Matrix: Solid

Batch: 24599

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	49		1	99	1.2	62-126	20	12/30/2009 2230
Trichlorofluoromethane	50	44		1	88	2.5	45-138	20	12/30/2009 2230
Vinyl chloride	50	38		1	76	4.8	42-132	20	12/30/2009 2230
Xylenes (total)	100	93		1	93	3.2	58-128	20	12/30/2009 2230
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		94	47-138						
1,2-Dichloroethane-d4		74	53-142						
Toluene-d8		88	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



SHEALY 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) 781-9111

Number 101504

Client Aracadi's		Report to Contact Scott Bastian		Telephone No. / Fax No. / E-mail 919-854-1282 / scott.bastian@aracadi's.com		Quote No.
Address 801 Corporate Center Dr. #300		Sampler's Signature <i>[Signature]</i>		Waybill No.		Page 2 of 2
City Raleigh		State NC		Zip Code 27607		
Project Name HAA-17		Project No. GA08HAFS.H17B.DG60F1		Analysis (Attach list if more space is needed.)		
Project No. GA08HAFS.H17B.DG60F1		Sample ID / Description (Containers for each sample may be combined on one line.)		Matrix Agreement Non- Agreement		Lot No. KL6030
Date		Time		No. of Containers by Preservative Type		Remarks / Cooler I.D.
12-15-09		0915		X		
12-15-09		0945		X		
12-15-09		1045		X		
12-15-09		1500		X		
12-15-09		1505		X		
12-15-09		1520		X		
12-15-09		1610		X		
Trip Blank				X		
JOF		12-15-2009				

Note: All samples are returned for six weeks from receipt unless other arrangements are made.

Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☒ Unknown		Sample Disposal ☐ Return to Client ☒ Disposal by Lab	
Turn Around Time Required (Prior lab approval required for expedited TAT.) ☒ Standard ☐ Rush (Specify)		QC Requirements (Specify)	
1. Refrighed by <i>[Signature]</i>		1. Received by	
2. Refrighed by <i>[Signature]</i>		2. Received by	
3. Refrighed by <i>[Signature]</i>		3. Laboratory received by <i>[Signature]</i>	
Comments Edex		LAB USE ONLY Received on ice (Circle) Yes / No Ice Pack	
Date 12-15-09	Time 1800	Date 12-16-09	Time 0840
Receipt Temp. 4.9 °C		Effective Date: 09-04-02	

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Report of Analysis

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

Project Name: HAA-17

Project Number: GP08HAFS.H17B.DG0F1

Lot Number: KL18024

Date Completed: 01/04/2010



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.

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SHEALY ENVIRONMENTAL SERVICES, INC.

SC DHEC No: 32010

NELAC No: E87653

NC DEHNR No: 329

Case Narrative ARCADIS U.S., Inc. Lot Number: KL18024

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.

Volatile Organic Compounds

The RPD for Vinyl chloride exceeded method control limits in batch 23963; however, all other QA/QC criteria for the LCS/LCSD were within acceptance criteria and method control limits. The associated sample results were reported and no corrective action was required.

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.

The RPD for many analytes exceeded method control limits in batch 24560; however, all other QA/QC criteria for the LCS/LCSD were within acceptance criteria and method control limits. The associated sample results were reported and no corrective action was required.

Sample -001, -004, -006: The initial run of these samples had an internal standard failure. The sample was reanalyzed outside the holding time. Both runs are reported.

SHEALY ENVIRONMENTAL SERVICES, INC.

Sample Summary ARCADIS U.S., Inc. Lot Number: KL18024

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	H17-AF103 (121609)- (34-35)	Solid	12/16/2009 0900	12/18/2009
002	H17-AF103 (121609)- (44-45)	Solid	12/16/2009 0905	12/18/2009
003	H17-AF104 (121609)- (24-25)	Solid	12/16/2009 1035	12/18/2009
004	H17-AF104 (121609)- (34-35)	Solid	12/16/2009 1045	12/18/2009
005	H17-AF104 (121609)- (44-45)	Solid	12/16/2009 1050	12/18/2009
006	H17-AF105 (121609)- (34-35)	Solid	12/16/2009 1605	12/18/2009
007	H17-AF105 (121609)- (44-45)	Solid	12/16/2009 1610	12/18/2009
008	H17-AF105 (121609)- (41-45)	Aqueous	12/16/2009 1645	12/18/2009
009	H17-AF107 (121709)- (34-35)	Solid	12/17/2009 1000	12/18/2009
010	H17-AF107 (121709)- (44-45)	Solid	12/17/2009 1005	12/18/2009
011	H17-AF107 (121709)- (41-45)	Aqueous	12/17/2009 1000	12/18/2009
012	H17-PF2 (121709)- (41-45)	Aqueous	12/17/2009 1145	12/18/2009
013	H17-AF108 (121709)- (34-35)	Solid	12/17/2009 1500	12/18/2009
014	H17-AF108 (121709)- (44-45)	Solid	12/17/2009 1505	12/18/2009
015	H17-AF108 (121709)- (41-45)	Aqueous	12/17/2009 1525	12/18/2009
016	H17-AF104 (121709)- (41-45)	Aqueous	12/17/2009 1630	12/18/2009
017	Trip Blank	Aqueous	12/18/2009 0836	12/18/2009

(17 samples)

SHEALY ENVIRONMENTAL SERVICES, INC.

Executive Summary

ARCADIS U.S., Inc.

Lot Number: KL18024

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	H17-AF103 (121609)- (34-	Solid	Acetone	8260B	20		ug/kg	5
001	H17-AF103 (121609)- (34-	Solid	Carbon disulfide	8260B	3.9		ug/kg	5
001	H17-AF103 (121609)- (34-	Solid	Carbon disulfide	8260B	2.4	JH	ug/kg	7
002	H17-AF103 (121609)- (44-	Solid	Carbon disulfide	8260B	4.2		ug/kg	9
003	H17-AF104 (121609)- (24-	Solid	Carbon disulfide	8260B	0.86	J	ug/kg	11
004	H17-AF104 (121609)- (34-	Solid	Acetone	8260B	31		ug/kg	13
004	H17-AF104 (121609)- (34-	Solid	Carbon disulfide	8260B	2.3	J	ug/kg	13
004	H17-AF104 (121609)- (34-	Solid	Chloromethane (Methyl chloride)	8260B	0.64	J	ug/kg	13
005	H17-AF104 (121609)- (44-	Solid	Carbon disulfide	8260B	3.0		ug/kg	17
005	H17-AF104 (121609)- (44-	Solid	Cyclohexane	8260B	0.58	J	ug/kg	17
005	H17-AF104 (121609)- (44-	Solid	4-Methyl-2-pentanone	8260B	7.2		ug/kg	17
006	H17-AF105 (121609)- (34-	Solid	Carbon disulfide	8260B	3.8		ug/kg	19
006	H17-AF105 (121609)- (34-	Solid	Carbon disulfide	8260B	0.81	JH	ug/kg	21
007	H17-AF105 (121609)- (44-	Solid	Carbon disulfide	8260B	0.93	J	ug/kg	23
007	H17-AF105 (121609)- (44-	Solid	Cyclohexane	8260B	0.58	J	ug/kg	23
008	H17-AF105 (121609)- (41-	Aqueous	Acetone	8260B	3.0	J	ug/L	25
009	H17-AF107 (121709)- (34-	Solid	Carbon disulfide	8260B	2.1	J	ug/kg	27
009	H17-AF107 (121709)- (34-	Solid	Cyclohexane	8260B	0.42	J	ug/kg	27
009	H17-AF107 (121709)- (34-	Solid	Trichloroethene	8260B	1.5	J	ug/kg	28
011	H17-AF107 (121709)- (41-	Aqueous	Acetone	8260B	1.9	J	ug/L	31
011	H17-AF107 (121709)- (41-	Aqueous	Trichloroethene	8260B	0.38	J	ug/L	32
012	H17-PF2 (121709)- (41-45)	Aqueous	Carbon disulfide	8260B	0.36	J	ug/L	33
012	H17-PF2 (121709)- (41-45)	Aqueous	1,1-Dichloroethene	8260B	0.21	J	ug/L	33
012	H17-PF2 (121709)- (41-45)	Aqueous	cis-1,2-Dichloroethene	8260B	7.5		ug/L	33
014	H17-AF108 (121709)- (44-	Solid	Carbon disulfide	8260B	1.6	J	ug/kg	37
015	H17-AF108 (121709)- (41-	Aqueous	Acetone	8260B	2.7	J	ug/L	39
015	H17-AF108 (121709)- (41-	Aqueous	Carbon disulfide	8260B	0.75		ug/L	39
016	H17-AF104 (121709)- (41-	Aqueous	Acetone	8260B	4.5	J	ug/L	41
016	H17-AF104 (121709)- (41-	Aqueous	Carbon disulfide	8260B	0.73		ug/L	41
016	H17-AF104 (121709)- (41-	Aqueous	cis-1,2-Dichloroethene	8260B	0.45	J	ug/L	41
017	Trip Blank	Aqueous	Acetone	8260B	2.4	J	ug/L	43
017	Trip Blank	Aqueous	Carbon disulfide	8260B	0.17	J	ug/L	43
017	Trip Blank	Aqueous	Methylene chloride	8260B	0.17	J	ug/L	43

(33 detections)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18024-001			
Description: H17-AF103 (121609)- (34-35)				Matrix: Solid			
Date Sampled: 12/16/2009 0900				% Solids: 80.6 12/18/2009 1913			
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/29/2009 1735	LBS		24377	13.73
2	5035	8260B	1	12/31/2009 0000	MZ		24599	11.08

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	20		9.0	3.0	ug/kg	1
Benzene	71-43-2	8260B	ND		2.3	0.50	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		2.3	0.77	ug/kg	1
Bromoform	75-25-2	8260B	ND		2.3	0.32	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.3	0.81	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		4.5	1.1	ug/kg	1
Carbon disulfide	75-15-0	8260B	3.9		2.3	0.59	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		2.3	0.81	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		2.3	0.77	ug/kg	1
Chloroethane	75-00-3	8260B	ND		2.3	0.59	ug/kg	1
Chloroform	67-66-3	8260B	ND		2.3	0.37	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.3	0.45	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		2.3	0.30	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2.3	0.68	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		2.3	0.77	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2.3	0.38	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2.3	0.77	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2.3	0.77	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2.3	0.77	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.3	0.72	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		2.3	0.33	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		2.3	0.45	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		2.3	0.77	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		2.3	0.34	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		2.3	0.68	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		2.3	0.41	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2.3	0.31	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2.3	0.37	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		2.3	0.77	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		4.5	0.59	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		2.3	0.36	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		2.3	0.30	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2.3	0.18	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		4.5	0.68	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		2.3	0.28	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		2.3	1.2	ug/kg	1
Styrene	100-42-5	8260B	ND		2.3	0.50	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2.3	0.21	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		2.3	1.0	ug/kg	1
Toluene	108-88-3	8260B	ND		2.3	0.77	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2.3	0.95	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2.3	0.77	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		2.3	0.38	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: KL18024-001			
Description: H17-AF103 (121609)- (34-35)				Matrix: Solid			
Date Sampled: 12/16/2009 0900				% Solids: 80.6 12/18/2009 1913			
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/29/2009 1735	LBS		24377	13.73
2	5035	8260B	1	12/31/2009 0000	MZ		24599	11.08

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		2.3	0.36	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		2.3	0.86	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		2.3	0.68	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		2.3	0.39	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		2.3	1.3	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		74	53-142	H	63	53-142
Bromofluorobenzene		84	47-138	H	82	47-138
Toluene-d8		81	68-124	H	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"

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Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.					Laboratory ID: KL18024-001			
Description: H17-AF103 (121609)- (34-35)					Matrix: Solid			
Date Sampled: 12/16/2009 0900					% Solids: 80.6 12/18/2009 1913			
Date Received: 12/18/2009								

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/29/2009 1735	LBS		24377	13.73
2	5035	8260B	1	12/31/2009 0000	MZ		24599	11.08

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND	H	11	3.8	ug/kg	2
Benzene	71-43-2	8260B	ND	H	2.8	0.62	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND	H	2.8	0.95	ug/kg	2
Bromoform	75-25-2	8260B	ND	H	2.8	0.39	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND	H	2.8	1.0	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND	H	5.6	1.3	ug/kg	2
Carbon disulfide	75-15-0	8260B	2.4	JH	2.8	0.73	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND	H	2.8	1.0	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND	H	2.8	0.95	ug/kg	2
Chloroethane	75-00-3	8260B	ND	H	2.8	0.73	ug/kg	2
Chloroform	67-66-3	8260B	ND	H	2.8	0.46	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND	H	2.8	0.56	ug/kg	2
Cyclohexane	110-82-7	8260B	ND	H	2.8	0.38	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND	H	2.8	0.84	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND	H	2.8	0.95	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND	H	2.8	0.48	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND	H	2.8	0.95	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND	H	2.8	0.95	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND	H	2.8	0.95	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND	H	2.8	0.90	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND	H	2.8	0.41	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND	H	2.8	0.56	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND	H	2.8	0.95	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND	H	2.8	0.43	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND	H	2.8	0.84	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND	H	2.8	0.51	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND	H	2.8	0.38	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND	H	2.8	0.46	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND	H	2.8	0.95	ug/kg	2
2-Hexanone	591-78-6	8260B	ND	H	5.6	0.73	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND	H	2.8	0.45	ug/kg	2
Methyl acetate	79-20-9	8260B	ND	H	2.8	0.38	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND	H	2.8	0.22	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND	H	5.6	0.84	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND	H	2.8	0.34	ug/kg	2
Methylene chloride	75-09-2	8260B	ND	H	2.8	1.5	ug/kg	2
Styrene	100-42-5	8260B	ND	H	2.8	0.62	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND	H	2.8	0.26	ug/kg	2
Tetrachloroethene	127-18-4	8260B	ND	H	2.8	1.3	ug/kg	2
Toluene	108-88-3	8260B	ND	H	2.8	0.95	ug/kg	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND	H	2.8	1.2	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND	H	2.8	0.95	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND	H	2.8	0.48	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: KL18024-001			
Description: H17-AF103 (121609)- (34-35)				Matrix: Solid			
Date Sampled: 12/16/2009 0900				% Solids: 80.6 12/18/2009 1913			
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/29/2009 1735	LBS		24377	13.73
2	5035	8260B	1	12/31/2009 0000	MZ		24599	11.08

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND	H	2.8	0.44	ug/kg	2
Trichloroethene	79-01-6	8260B	ND	H	2.8	1.1	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND	H	2.8	0.84	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND	H	2.8	0.48	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND	H	2.8	1.6	ug/kg	2

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		74	53-142	H	63	53-142
Bromofluorobenzene		84	47-138	H	82	47-138
Toluene-d8		81	68-124	H	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

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Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18024-002			
Description: H17-AF103 (121609)- (44-45)				Matrix: Solid			
Date Sampled: 12/16/2009 0905				% Solids: 87.8 12/18/2009 1913			
Date Received: 12/18/2009							

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 1758	Analyst LBS	Prep Date	Batch 24377	Sample Wt.(g) 12.01		
Parameter			CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone			67-64-1	8260B	ND		9.5	3.2	ug/kg	1
Benzene			71-43-2	8260B	ND		2.4	0.52	ug/kg	1
Bromodichloromethane			75-27-4	8260B	ND		2.4	0.81	ug/kg	1
Bromoform			75-25-2	8260B	ND		2.4	0.33	ug/kg	1
Bromomethane (Methyl bromide)			74-83-9	8260B	ND		2.4	0.85	ug/kg	1
2-Butanone (MEK)			78-93-3	8260B	ND		4.7	1.1	ug/kg	1
Carbon disulfide			75-15-0	8260B	4.2		2.4	0.62	ug/kg	1
Carbon tetrachloride			56-23-5	8260B	ND		2.4	0.85	ug/kg	1
Chlorobenzene			108-90-7	8260B	ND		2.4	0.81	ug/kg	1
Chloroethane			75-00-3	8260B	ND		2.4	0.62	ug/kg	1
Chloroform			67-66-3	8260B	ND		2.4	0.39	ug/kg	1
Chloromethane (Methyl chloride)			74-87-3	8260B	ND		2.4	0.47	ug/kg	1
Cyclohexane			110-82-7	8260B	ND		2.4	0.32	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)			96-12-8	8260B	ND		2.4	0.71	ug/kg	1
Dibromochloromethane			124-48-1	8260B	ND		2.4	0.81	ug/kg	1
1,2-Dibromoethane (EDB)			106-93-4	8260B	ND		2.4	0.40	ug/kg	1
1,2-Dichlorobenzene			95-50-1	8260B	ND		2.4	0.81	ug/kg	1
1,3-Dichlorobenzene			541-73-1	8260B	ND		2.4	0.81	ug/kg	1
1,4-Dichlorobenzene			106-46-7	8260B	ND		2.4	0.81	ug/kg	1
Dichlorodifluoromethane			75-71-8	8260B	ND		2.4	0.76	ug/kg	1
1,1-Dichloroethane			75-34-3	8260B	ND		2.4	0.35	ug/kg	1
1,2-Dichloroethane			107-06-2	8260B	ND		2.4	0.47	ug/kg	1
1,1-Dichloroethene			75-35-4	8260B	ND		2.4	0.81	ug/kg	1
cis-1,2-Dichloroethene			156-59-2	8260B	ND		2.4	0.36	ug/kg	1
trans-1,2-Dichloroethene			156-60-5	8260B	ND		2.4	0.71	ug/kg	1
1,2-Dichloropropane			78-87-5	8260B	ND		2.4	0.43	ug/kg	1
cis-1,3-Dichloropropene			10061-01-5	8260B	ND		2.4	0.32	ug/kg	1
trans-1,3-Dichloropropene			10061-02-6	8260B	ND		2.4	0.39	ug/kg	1
Ethylbenzene			100-41-4	8260B	ND		2.4	0.81	ug/kg	1
2-Hexanone			591-78-6	8260B	ND		4.7	0.62	ug/kg	1
Isopropylbenzene			98-82-8	8260B	ND		2.4	0.38	ug/kg	1
Methyl acetate			79-20-9	8260B	ND		2.4	0.32	ug/kg	1
Methyl tertiary butyl ether (MTBE)			1634-04-4	8260B	ND		2.4	0.19	ug/kg	1
4-Methyl-2-pentanone			108-10-1	8260B	ND		4.7	0.71	ug/kg	1
Methylcyclohexane			108-87-2	8260B	ND		2.4	0.29	ug/kg	1
Methylene chloride			75-09-2	8260B	ND		2.4	1.2	ug/kg	1
Styrene			100-42-5	8260B	ND		2.4	0.52	ug/kg	1
1,1,2,2-Tetrachloroethane			79-34-5	8260B	ND		2.4	0.22	ug/kg	1
Tetrachloroethene			127-18-4	8260B	ND		2.4	1.1	ug/kg	1
Toluene			108-88-3	8260B	ND		2.4	0.81	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane			76-13-1	8260B	ND		2.4	1.0	ug/kg	1
1,2,4-Trichlorobenzene			120-82-1	8260B	ND		2.4	0.81	ug/kg	1
1,1,1-Trichloroethane			71-55-6	8260B	ND		2.4	0.40	ug/kg	1
1,1,2-Trichloroethane			79-00-5	8260B	ND		2.4	0.37	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: KL18024-002	
Description: H17-AF103 (121609)- (44-45)		Matrix: Solid	
Date Sampled: 12/16/2009 0905		% Solids: 87.8 12/18/2009 1913	
Date Received: 12/18/2009			

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 1758	Analyst LBS	Prep Date	Batch 24377	Sample Wt.(g) 12.01

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		2.4	0.90	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		2.4	0.71	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		2.4	0.41	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		2.4	1.4	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		71	53-142
Bromofluorobenzene		85	47-138
Toluene-d8		82	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18024-003			
Description: H17-AF104 (121609)- (24-25)				Matrix: Solid			
Date Sampled: 12/16/2009 1035				% Solids: 83.7 12/18/2009 1913			
Date Received: 12/18/2009							

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 1821	Analyst LBS	Prep Date	Batch 24377	Sample Wt.(g) 11.24

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		11	3.6	ug/kg	1
Benzene	71-43-2	8260B	ND		2.7	0.58	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		2.7	0.90	ug/kg	1
Bromoform	75-25-2	8260B	ND		2.7	0.37	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.7	0.96	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		5.3	1.3	ug/kg	1
Carbon disulfide	75-15-0	8260B	0.86	J	2.7	0.69	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		2.7	0.96	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		2.7	0.90	ug/kg	1
Chloroethane	75-00-3	8260B	ND		2.7	0.69	ug/kg	1
Chloroform	67-66-3	8260B	ND		2.7	0.44	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.7	0.53	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		2.7	0.36	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2.7	0.80	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		2.7	0.90	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2.7	0.45	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2.7	0.90	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2.7	0.90	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2.7	0.90	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.7	0.85	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		2.7	0.39	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		2.7	0.53	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		2.7	0.90	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		2.7	0.40	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		2.7	0.80	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		2.7	0.48	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2.7	0.36	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2.7	0.44	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		2.7	0.90	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		5.3	0.69	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		2.7	0.43	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		2.7	0.36	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2.7	0.21	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		5.3	0.80	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		2.7	0.32	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		2.7	1.4	ug/kg	1
Styrene	100-42-5	8260B	ND		2.7	0.58	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2.7	0.25	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		2.7	1.2	ug/kg	1
Toluene	108-88-3	8260B	ND		2.7	0.90	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2.7	1.1	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2.7	0.90	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		2.7	0.45	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		2.7	0.42	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: KL18024-003	
Description: H17-AF104 (121609)- (24-25)		Matrix: Solid	
Date Sampled: 12/16/2009 1035		% Solids: 83.7 12/18/2009 1913	
Date Received: 12/18/2009			

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 1821	Analyst LBS	Prep Date	Batch 24377	Sample Wt.(g) 11.24

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		2.7	1.0	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		2.7	0.80	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		2.7	0.46	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		2.7	1.5	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		71	53-142
Bromofluorobenzene		84	47-138
Toluene-d8		80	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18024-004			
Description: H17-AF104 (121609)- (34-35)				Matrix: Solid			
Date Sampled: 12/16/2009 1045				% Solids: 76.0 12/18/2009 1913			
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/29/2009 1844	LBS		24377	10.79
2	5035	8260B	1	12/31/2009 0218	MZ		24599	10.86

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	31		12	4.1	ug/kg	1
Benzene	71-43-2	8260B	ND		3.0	0.67	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		3.0	1.0	ug/kg	1
Bromoform	75-25-2	8260B	ND		3.0	0.43	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		3.0	1.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		6.1	1.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	2.3	J	3.0	0.79	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		3.0	1.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		3.0	1.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		3.0	0.79	ug/kg	1
Chloroform	67-66-3	8260B	ND		3.0	0.51	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	0.64	J	3.0	0.61	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		3.0	0.41	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		3.0	0.91	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		3.0	1.0	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		3.0	0.52	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		3.0	1.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		3.0	1.0	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		3.0	1.0	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		3.0	0.98	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		3.0	0.45	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		3.0	0.61	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		3.0	1.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		3.0	0.46	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		3.0	0.91	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		3.0	0.56	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		3.0	0.41	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		3.0	0.50	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		3.0	1.0	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		6.1	0.79	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		3.0	0.49	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		3.0	0.41	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		3.0	0.24	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		6.1	0.91	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		3.0	0.37	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		3.0	1.6	ug/kg	1
Styrene	100-42-5	8260B	ND		3.0	0.67	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		3.0	0.29	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		3.0	1.4	ug/kg	1
Toluene	108-88-3	8260B	ND		3.0	1.0	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		3.0	1.3	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		3.0	1.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		3.0	0.52	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: KL18024-004			
Description: H17-AF104 (121609)- (34-35)				Matrix: Solid			
Date Sampled: 12/16/2009 1045				% Solids: 76.0 12/18/2009 1913			
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/29/2009 1844	LBS		24377	10.79
2	5035	8260B	1	12/31/2009 0218	MZ		24599	10.86

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		3.0	0.48	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		3.0	1.2	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		3.0	0.91	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		3.0	0.52	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		3.0	1.8	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		72	53-142	H	64	53-142
Bromofluorobenzene		84	47-138	H	78	47-138
Toluene-d8		83	68-124	H	78	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

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Shealy Environmental Services, Inc.

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

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Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.					Laboratory ID: KL18024-004			
Description: H17-AF104 (121609)- (34-35)					Matrix: Solid			
Date Sampled: 12/16/2009 1045					% Solids: 76.0 12/18/2009 1913			
Date Received: 12/18/2009								

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/29/2009 1844	LBS		24377	10.79
2	5035	8260B	1	12/31/2009 0218	MZ		24599	10.86

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND	H	12	4.1	ug/kg	2
Benzene	71-43-2	8260B	ND	H	3.0	0.67	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND	H	3.0	1.0	ug/kg	2
Bromoform	75-25-2	8260B	ND	H	3.0	0.42	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND	H	3.0	1.1	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND	H	6.1	1.5	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND	H	3.0	0.79	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND	H	3.0	1.1	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND	H	3.0	1.0	ug/kg	2
Chloroethane	75-00-3	8260B	ND	H	3.0	0.79	ug/kg	2
Chloroform	67-66-3	8260B	ND	H	3.0	0.50	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND	H	3.0	0.61	ug/kg	2
Cyclohexane	110-82-7	8260B	ND	H	3.0	0.41	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND	H	3.0	0.91	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND	H	3.0	1.0	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND	H	3.0	0.52	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND	H	3.0	1.0	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND	H	3.0	1.0	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND	H	3.0	1.0	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND	H	3.0	0.97	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND	H	3.0	0.44	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND	H	3.0	0.61	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND	H	3.0	1.0	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND	H	3.0	0.46	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND	H	3.0	0.91	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND	H	3.0	0.55	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND	H	3.0	0.41	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND	H	3.0	0.50	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND	H	3.0	1.0	ug/kg	2
2-Hexanone	591-78-6	8260B	ND	H	6.1	0.79	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND	H	3.0	0.48	ug/kg	2
Methyl acetate	79-20-9	8260B	ND	H	3.0	0.41	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND	H	3.0	0.24	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND	H	6.1	0.91	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND	H	3.0	0.37	ug/kg	2
Methylene chloride	75-09-2	8260B	ND	H	3.0	1.6	ug/kg	2
Styrene	100-42-5	8260B	ND	H	3.0	0.67	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND	H	3.0	0.28	ug/kg	2
Tetrachloroethene	127-18-4	8260B	ND	H	3.0	1.4	ug/kg	2
Toluene	108-88-3	8260B	ND	H	3.0	1.0	ug/kg	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND	H	3.0	1.3	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND	H	3.0	1.0	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND	H	3.0	0.52	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: KL18024-004			
Description: H17-AF104 (121609)- (34-35)				Matrix: Solid			
Date Sampled: 12/16/2009 1045				% Solids: 76.0 12/18/2009 1913			
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/29/2009 1844	LBS		24377	10.79
2	5035	8260B	1	12/31/2009 0218	MZ		24599	10.86

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND	H	3.0	0.48	ug/kg	2
Trichloroethene	79-01-6	8260B	ND	H	3.0	1.2	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND	H	3.0	0.91	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND	H	3.0	0.52	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND	H	3.0	1.8	ug/kg	2

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		72	53-142	H	64	53-142
Bromofluorobenzene		84	47-138	H	78	47-138
Toluene-d8		83	68-124	H	78	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18024-005			
Description: H17-AF104 (121609)- (44-45)				Matrix: Solid			
Date Sampled: 12/16/2009 1050				% Solids: 83.0 12/18/2009 1913			
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/19/2009 2132	DLB		23963	10.25

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		12	3.9	ug/kg	1
Benzene	71-43-2	8260B	ND		2.9	0.65	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		2.9	1.0	ug/kg	1
Bromoform	75-25-2	8260B	ND		2.9	0.41	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.9	1.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		5.9	1.4	ug/kg	1
Carbon disulfide	75-15-0	8260B	3.0		2.9	0.76	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		2.9	1.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		2.9	1.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		2.9	0.76	ug/kg	1
Chloroform	67-66-3	8260B	ND		2.9	0.49	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.9	0.59	ug/kg	1
Cyclohexane	110-82-7	8260B	0.58	J	2.9	0.40	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2.9	0.88	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		2.9	1.0	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2.9	0.50	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2.9	1.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2.9	1.0	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2.9	1.0	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.9	0.94	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		2.9	0.43	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		2.9	0.59	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		2.9	1.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		2.9	0.45	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		2.9	0.88	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		2.9	0.54	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2.9	0.40	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2.9	0.48	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		2.9	1.0	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		5.9	0.76	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		2.9	0.47	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		2.9	0.39	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2.9	0.24	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	7.2		5.9	0.88	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		2.9	0.36	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		2.9	1.5	ug/kg	1
Styrene	100-42-5	8260B	ND		2.9	0.65	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2.9	0.28	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		2.9	1.4	ug/kg	1
Toluene	108-88-3	8260B	ND		2.9	1.0	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2.9	1.2	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2.9	1.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		2.9	0.50	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		2.9	0.46	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: KL18024-005	
Description: H17-AF104 (121609)- (44-45)		Matrix: Solid	
Date Sampled: 12/16/2009 1050		% Solids: 83.0 12/18/2009 1913	
Date Received: 12/18/2009			

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/19/2009 2132	Analyst DLB	Prep Date	Batch 23963	Sample Wt.(g) 10.25

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		2.9	1.1	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		2.9	0.88	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		2.9	0.51	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		2.9	1.7	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		89	53-142
Bromofluorobenzene		100	47-138
Toluene-d8		107	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"

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H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18024-006			
Description: H17-AF105 (121609)- (34-35)				Matrix: Solid			
Date Sampled: 12/16/2009 1605				% Solids: 71.1 12/18/2009 1913			
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/29/2009 1907	LBS		24377	10.22
2	5035	8260B	1	12/31/2009 0023	MZ		24599	12.14

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		14	4.6	ug/kg	1
Benzene	71-43-2	8260B	ND		3.4	0.76	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		3.4	1.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		3.4	0.48	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		3.4	1.2	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		6.9	1.7	ug/kg	1
Carbon disulfide	75-15-0	8260B	3.8		3.4	0.89	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		3.4	1.2	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		3.4	1.2	ug/kg	1
Chloroethane	75-00-3	8260B	ND		3.4	0.89	ug/kg	1
Chloroform	67-66-3	8260B	ND		3.4	0.57	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		3.4	0.69	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		3.4	0.46	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		3.4	1.0	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		3.4	1.2	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		3.4	0.59	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		3.4	1.2	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		3.4	1.2	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		3.4	1.2	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		3.4	1.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		3.4	0.50	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		3.4	0.69	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		3.4	1.2	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		3.4	0.52	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		3.4	1.0	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		3.4	0.63	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		3.4	0.47	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		3.4	0.56	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		3.4	1.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		6.9	0.89	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		3.4	0.55	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		3.4	0.46	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		3.4	0.28	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		6.9	1.0	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		3.4	0.42	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		3.4	1.8	ug/kg	1
Styrene	100-42-5	8260B	ND		3.4	0.76	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		3.4	0.32	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		3.4	1.6	ug/kg	1
Toluene	108-88-3	8260B	ND		3.4	1.2	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		3.4	1.4	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		3.4	1.2	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		3.4	0.59	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: KL18024-006			
Description: H17-AF105 (121609)- (34-35)				Matrix: Solid			
Date Sampled: 12/16/2009 1605				% Solids: 71.1 12/18/2009 1913			
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/29/2009 1907	LBS		24377	10.22
2	5035	8260B	1	12/31/2009 0023	MZ		24599	12.14

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		3.4	0.54	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		3.4	1.3	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		3.4	1.0	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		3.4	0.59	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		3.4	2.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		75	53-142	H	74	53-142
Bromofluorobenzene		84	47-138	H	88	47-138
Toluene-d8		82	68-124	H	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.					Laboratory ID: KL18024-006			
Description: H17-AF105 (121609)- (34-35)					Matrix: Solid			
Date Sampled: 12/16/2009 1605					% Solids: 71.1 12/18/2009 1913			
Date Received: 12/18/2009								

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/29/2009 1907	LBS		24377	10.22
2	5035	8260B	1	12/31/2009 0023	MZ		24599	12.14

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND	H	12	3.9	ug/kg	2
Benzene	71-43-2	8260B	ND	H	2.9	0.64	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND	H	2.9	0.99	ug/kg	2
Bromoform	75-25-2	8260B	ND	H	2.9	0.41	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND	H	2.9	1.0	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND	H	5.8	1.4	ug/kg	2
Carbon disulfide	75-15-0	8260B	0.81	JH	2.9	0.75	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND	H	2.9	1.0	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND	H	2.9	0.99	ug/kg	2
Chloroethane	75-00-3	8260B	ND	H	2.9	0.75	ug/kg	2
Chloroform	67-66-3	8260B	ND	H	2.9	0.48	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND	H	2.9	0.58	ug/kg	2
Cyclohexane	110-82-7	8260B	ND	H	2.9	0.39	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND	H	2.9	0.87	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND	H	2.9	0.99	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND	H	2.9	0.49	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND	H	2.9	0.99	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND	H	2.9	0.99	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND	H	2.9	0.99	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND	H	2.9	0.93	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND	H	2.9	0.42	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND	H	2.9	0.58	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND	H	2.9	0.99	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND	H	2.9	0.44	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND	H	2.9	0.87	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND	H	2.9	0.53	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND	H	2.9	0.39	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND	H	2.9	0.48	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND	H	2.9	0.99	ug/kg	2
2-Hexanone	591-78-6	8260B	ND	H	5.8	0.75	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND	H	2.9	0.46	ug/kg	2
Methyl acetate	79-20-9	8260B	ND	H	2.9	0.39	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND	H	2.9	0.23	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND	H	5.8	0.87	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND	H	2.9	0.35	ug/kg	2
Methylene chloride	75-09-2	8260B	ND	H	2.9	1.5	ug/kg	2
Styrene	100-42-5	8260B	ND	H	2.9	0.64	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND	H	2.9	0.27	ug/kg	2
Tetrachloroethene	127-18-4	8260B	ND	H	2.9	1.3	ug/kg	2
Toluene	108-88-3	8260B	ND	H	2.9	0.99	ug/kg	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND	H	2.9	1.2	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND	H	2.9	0.99	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND	H	2.9	0.49	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: KL18024-006			
Description: H17-AF105 (121609)- (34-35)				Matrix: Solid			
Date Sampled: 12/16/2009 1605				% Solids: 71.1 12/18/2009 1913			
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/29/2009 1907	LBS		24377	10.22
2	5035	8260B	1	12/31/2009 0023	MZ		24599	12.14

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND	H	2.9	0.46	ug/kg	2
Trichloroethene	79-01-6	8260B	ND	H	2.9	1.1	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND	H	2.9	0.87	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND	H	2.9	0.50	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND	H	2.9	1.7	ug/kg	2

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		75	53-142	H	74	53-142
Bromofluorobenzene		84	47-138	H	88	47-138
Toluene-d8		82	68-124	H	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18024-007			
Description: H17-AF105 (121609)- (44-45)				Matrix: Solid			
Date Sampled: 12/16/2009 1610				% Solids: 83.1 12/18/2009 1913			
Date Received: 12/18/2009							

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/19/2009 2155	Analyst DLB	Prep Date	Batch 23963	Sample Wt.(g) 10.83		
Parameter			CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone			67-64-1	8260B	ND		11	3.7	ug/kg	1
Benzene			71-43-2	8260B	ND		2.8	0.61	ug/kg	1
Bromodichloromethane			75-27-4	8260B	ND		2.8	0.94	ug/kg	1
Bromoform			75-25-2	8260B	ND		2.8	0.39	ug/kg	1
Bromomethane (Methyl bromide)			74-83-9	8260B	ND		2.8	1.0	ug/kg	1
2-Butanone (MEK)			78-93-3	8260B	ND		5.6	1.3	ug/kg	1
Carbon disulfide			75-15-0	8260B	0.93	J	2.8	0.72	ug/kg	1
Carbon tetrachloride			56-23-5	8260B	ND		2.8	1.0	ug/kg	1
Chlorobenzene			108-90-7	8260B	ND		2.8	0.94	ug/kg	1
Chloroethane			75-00-3	8260B	ND		2.8	0.72	ug/kg	1
Chloroform			67-66-3	8260B	ND		2.8	0.46	ug/kg	1
Chloromethane (Methyl chloride)			74-87-3	8260B	ND		2.8	0.56	ug/kg	1
Cyclohexane			110-82-7	8260B	0.58	J	2.8	0.37	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)			96-12-8	8260B	ND		2.8	0.83	ug/kg	1
Dibromochloromethane			124-48-1	8260B	ND		2.8	0.94	ug/kg	1
1,2-Dibromoethane (EDB)			106-93-4	8260B	ND		2.8	0.47	ug/kg	1
1,2-Dichlorobenzene			95-50-1	8260B	ND		2.8	0.94	ug/kg	1
1,3-Dichlorobenzene			541-73-1	8260B	ND		2.8	0.94	ug/kg	1
1,4-Dichlorobenzene			106-46-7	8260B	ND		2.8	0.94	ug/kg	1
Dichlorodifluoromethane			75-71-8	8260B	ND		2.8	0.89	ug/kg	1
1,1-Dichloroethane			75-34-3	8260B	ND		2.8	0.41	ug/kg	1
1,2-Dichloroethane			107-06-2	8260B	ND		2.8	0.56	ug/kg	1
1,1-Dichloroethene			75-35-4	8260B	ND		2.8	0.94	ug/kg	1
cis-1,2-Dichloroethene			156-59-2	8260B	ND		2.8	0.42	ug/kg	1
trans-1,2-Dichloroethene			156-60-5	8260B	ND		2.8	0.83	ug/kg	1
1,2-Dichloropropane			78-87-5	8260B	ND		2.8	0.51	ug/kg	1
cis-1,3-Dichloropropene			10061-01-5	8260B	ND		2.8	0.38	ug/kg	1
trans-1,3-Dichloropropene			10061-02-6	8260B	ND		2.8	0.46	ug/kg	1
Ethylbenzene			100-41-4	8260B	ND		2.8	0.94	ug/kg	1
2-Hexanone			591-78-6	8260B	ND		5.6	0.72	ug/kg	1
Isopropylbenzene			98-82-8	8260B	ND		2.8	0.44	ug/kg	1
Methyl acetate			79-20-9	8260B	ND		2.8	0.37	ug/kg	1
Methyl tertiary butyl ether (MTBE)			1634-04-4	8260B	ND		2.8	0.22	ug/kg	1
4-Methyl-2-pentanone			108-10-1	8260B	ND		5.6	0.83	ug/kg	1
Methylcyclohexane			108-87-2	8260B	ND		2.8	0.34	ug/kg	1
Methylene chloride			75-09-2	8260B	ND		2.8	1.4	ug/kg	1
Styrene			100-42-5	8260B	ND		2.8	0.61	ug/kg	1
1,1,2,2-Tetrachloroethane			79-34-5	8260B	ND		2.8	0.26	ug/kg	1
Tetrachloroethene			127-18-4	8260B	ND		2.8	1.3	ug/kg	1
Toluene			108-88-3	8260B	ND		2.8	0.94	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane			76-13-1	8260B	ND		2.8	1.2	ug/kg	1
1,2,4-Trichlorobenzene			120-82-1	8260B	ND		2.8	0.94	ug/kg	1
1,1,1-Trichloroethane			71-55-6	8260B	ND		2.8	0.47	ug/kg	1
1,1,2-Trichloroethane			79-00-5	8260B	ND		2.8	0.44	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: KL18024-007
Description: H17-AF105 (121609)- (44-45)	Matrix: Solid
Date Sampled: 12/16/2009 1610	% Solids: 83.1 12/18/2009 1913
Date Received: 12/18/2009	

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/19/2009 2155	Analyst DLB	Prep Date	Batch 23963	Sample Wt.(g) 10.83

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		2.8	1.1	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		2.8	0.83	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		2.8	0.48	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		2.8	1.6	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	53-142
Bromofluorobenzene		100	47-138
Toluene-d8		107	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18024-008			
Description: H17-AF105 (121609)- (41-45)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1645							
Date Received: 12/18/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/30/2009 0340	Analyst RRH	Prep Date	Batch 24494		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	3.0	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: KL18024-008			
Description: H17-AF105 (121609)- (41-45)				Matrix: Aqueous			
Date Sampled: 12/16/2009 1645							
Date Received: 12/18/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/30/2009 0340	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18024-009			
Description: H17-AF107 (121709)- (34-35)				Matrix: Solid			
Date Sampled: 12/17/2009 1000				% Solids: 87.1 12/18/2009 1913			
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/19/2009 2218	DLB		23963	12.44

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		9.2	3.1	ug/kg	1
Benzene	71-43-2	8260B	ND		2.3	0.51	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		2.3	0.78	ug/kg	1
Bromoform	75-25-2	8260B	ND		2.3	0.32	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.3	0.83	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		4.6	1.1	ug/kg	1
Carbon disulfide	75-15-0	8260B	2.1	J	2.3	0.60	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		2.3	0.83	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		2.3	0.78	ug/kg	1
Chloroethane	75-00-3	8260B	ND		2.3	0.60	ug/kg	1
Chloroform	67-66-3	8260B	ND		2.3	0.38	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.3	0.46	ug/kg	1
Cyclohexane	110-82-7	8260B	0.42	J	2.3	0.31	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2.3	0.69	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		2.3	0.78	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2.3	0.39	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2.3	0.78	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2.3	0.78	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2.3	0.78	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.3	0.74	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		2.3	0.34	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		2.3	0.46	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		2.3	0.78	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		2.3	0.35	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		2.3	0.69	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		2.3	0.42	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2.3	0.31	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2.3	0.38	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		2.3	0.78	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		4.6	0.60	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		2.3	0.37	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		2.3	0.31	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2.3	0.18	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		4.6	0.69	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		2.3	0.28	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		2.3	1.2	ug/kg	1
Styrene	100-42-5	8260B	ND		2.3	0.51	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2.3	0.22	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		2.3	1.1	ug/kg	1
Toluene	108-88-3	8260B	ND		2.3	0.78	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2.3	0.97	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2.3	0.78	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		2.3	0.39	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		2.3	0.36	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: KL18024-009	
Description: H17-AF107 (121709)- (34-35)		Matrix: Solid	
Date Sampled: 12/17/2009 1000		% Solids: 87.1 12/18/2009 1913	
Date Received: 12/18/2009			

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/19/2009 2218	Analyst DLB	Prep Date	Batch 23963	Sample Wt.(g) 12.44

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	1.5	J	2.3	0.88	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		2.3	0.69	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		2.3	0.40	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		2.3	1.3	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	53-142
Bromofluorobenzene		98	47-138
Toluene-d8		111	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.					Laboratory ID: KL18024-010			
Description: H17-AF107 (121709)- (44-45)					Matrix: Solid			
Date Sampled: 12/17/2009 1005					% Solids: 89.4 12/18/2009 1913			
Date Received: 12/18/2009								

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 1335	Analyst RRH	Prep Date	Batch 24560	Sample Wt.(g) 8.95
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		13	4.2	ug/kg	1
Benzene	71-43-2	8260B	ND		3.1	0.69	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		3.1	1.1	ug/kg	1
Bromoform	75-25-2	8260B	ND		3.1	0.44	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		3.1	1.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		6.3	1.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		3.1	0.81	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		3.1	1.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		3.1	1.1	ug/kg	1
Chloroethane	75-00-3	8260B	ND		3.1	0.81	ug/kg	1
Chloroform	67-66-3	8260B	ND		3.1	0.52	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		3.1	0.63	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		3.1	0.42	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		3.1	0.94	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		3.1	1.1	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		3.1	0.53	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		3.1	1.1	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		3.1	1.1	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		3.1	1.1	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		3.1	1.0	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		3.1	0.46	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		3.1	0.63	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		3.1	1.1	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		3.1	0.48	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		3.1	0.94	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		3.1	0.57	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		3.1	0.43	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		3.1	0.51	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		3.1	1.1	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		6.3	0.81	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		3.1	0.50	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		3.1	0.42	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		3.1	0.25	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		6.3	0.94	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		3.1	0.38	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		3.1	1.6	ug/kg	1
Styrene	100-42-5	8260B	ND		3.1	0.69	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		3.1	0.29	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		3.1	1.4	ug/kg	1
Toluene	108-88-3	8260B	ND		3.1	1.1	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		3.1	1.3	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		3.1	1.1	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		3.1	0.53	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		3.1	0.49	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: KL18024-010
Description: H17-AF107 (121709)- (44-45)	Matrix: Solid
Date Sampled:12/17/2009 1005	% Solids: 89.4 12/18/2009 1913
Date Received: 12/18/2009	

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 1335	Analyst RRH	Prep Date	Batch 24560	Sample Wt.(g) 8.95

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		3.1	1.2	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		3.1	0.94	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		3.1	0.54	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		3.1	1.8	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		114	53-142
Bromofluorobenzene		92	47-138
Toluene-d8		107	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

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18024-011			
Description: H17-AF107 (121709)- (41-45)				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 0401	Analyst RRH	Prep Date	Batch 24494		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	1.9	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: KL18024-011			
Description: H17-AF107 (121709)- (41-45)				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 0401	Analyst RRH	Prep Date	Batch 24494

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	0.38	J	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		106	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

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: KL18024-012			
Description: H17-PF2 (121709)- (41-45)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1145							
Date Received: 12/18/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/30/2009 0422	Analyst RRH	Prep Date	Batch 24494		
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	0.36	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	0.21	J	0.50	0.094	ug/L	1	
cis-1,2-Dichloroethene	156-59-2	8260B	7.5		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: KL18024-012			
Description: H17-PF2 (121709)- (41-45)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1145							
Date Received: 12/18/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/30/2009 0422	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		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: KL18024-013			
Description: H17-AF108 (121709)- (34-35)				Matrix: Solid			
Date Sampled: 12/17/2009 1500				% Solids: 73.3 12/18/2009 1913			
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/29/2009 1358	RRH		24560	9.73

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		14	4.7	ug/kg	1
Benzene	71-43-2	8260B	ND		3.5	0.77	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		3.5	1.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		3.5	0.49	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		3.5	1.3	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		7.0	1.7	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		3.5	0.91	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		3.5	1.3	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		3.5	1.2	ug/kg	1
Chloroethane	75-00-3	8260B	ND		3.5	0.91	ug/kg	1
Chloroform	67-66-3	8260B	ND		3.5	0.58	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		3.5	0.70	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		3.5	0.47	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		3.5	1.1	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		3.5	1.2	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		3.5	0.60	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		3.5	1.2	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		3.5	1.2	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		3.5	1.2	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		3.5	1.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		3.5	0.51	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		3.5	0.70	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		3.5	1.2	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		3.5	0.53	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		3.5	1.1	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		3.5	0.64	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		3.5	0.48	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		3.5	0.57	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		3.5	1.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		7.0	0.91	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		3.5	0.56	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		3.5	0.47	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		3.5	0.28	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		7.0	1.1	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		3.5	0.43	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		3.5	1.8	ug/kg	1
Styrene	100-42-5	8260B	ND		3.5	0.77	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		3.5	0.33	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		3.5	1.6	ug/kg	1
Toluene	108-88-3	8260B	ND		3.5	1.2	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		3.5	1.5	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		3.5	1.2	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		3.5	0.60	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		3.5	0.55	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: KL18024-013	
Description: H17-AF108 (121709)- (34-35)		Matrix: Solid	
Date Sampled: 12/17/2009 1500		% Solids: 73.3 12/18/2009 1913	
Date Received: 12/18/2009			

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 1358	Analyst RRH	Prep Date	Batch 24560	Sample Wt.(g) 9.73	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		3.5	1.3	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		3.5	1.1	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		3.5	0.60	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		3.5	2.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		115	53-142
Bromofluorobenzene		88	47-138
Toluene-d8		104	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

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Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18024-014			
Description: H17-AF108 (121709)- (44-45)				Matrix: Solid			
Date Sampled: 12/17/2009 1505				% Solids: 78.4 12/18/2009 1913			
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/29/2009 1421	RRH		24560	11.17

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		11	3.8	ug/kg	1
Benzene	71-43-2	8260B	ND		2.9	0.63	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		2.9	0.97	ug/kg	1
Bromoform	75-25-2	8260B	ND		2.9	0.40	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.9	1.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		5.7	1.4	ug/kg	1
Carbon disulfide	75-15-0	8260B	1.6	J	2.9	0.74	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		2.9	1.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		2.9	0.97	ug/kg	1
Chloroethane	75-00-3	8260B	ND		2.9	0.74	ug/kg	1
Chloroform	67-66-3	8260B	ND		2.9	0.47	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.9	0.57	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		2.9	0.38	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2.9	0.86	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		2.9	0.97	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2.9	0.49	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2.9	0.97	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2.9	0.97	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2.9	0.97	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.9	0.91	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		2.9	0.42	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		2.9	0.57	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		2.9	0.97	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		2.9	0.43	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		2.9	0.86	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		2.9	0.52	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2.9	0.39	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2.9	0.47	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		2.9	0.97	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		5.7	0.74	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		2.9	0.46	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		2.9	0.38	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2.9	0.23	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		5.7	0.86	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		2.9	0.35	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		2.9	1.5	ug/kg	1
Styrene	100-42-5	8260B	ND		2.9	0.63	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2.9	0.27	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		2.9	1.3	ug/kg	1
Toluene	108-88-3	8260B	ND		2.9	0.97	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2.9	1.2	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2.9	0.97	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		2.9	0.49	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		2.9	0.45	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: KL18024-014
Description: H17-AF108 (121709)- (44-45)	Matrix: Solid
Date Sampled: 12/17/2009 1505	% Solids: 78.4 12/18/2009 1913
Date Received: 12/18/2009	

Run 1	Prep Method 5035	Analytical Method 8260B	Dilution 1	Analysis Date 12/29/2009 1421	Analyst RRH	Prep Date	Batch 24560	Sample Wt.(g) 11.17	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		2.9	1.1	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		2.9	0.86	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		2.9	0.49	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		2.9	1.7	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		119	53-142
Bromofluorobenzene		91	47-138
Toluene-d8		107	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

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Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: KL18024-015			
Description: H17-AF108 (121709)- (41-45)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1525							
Date Received: 12/18/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/30/2009 0443	Analyst RRH	Prep Date	Batch 24494		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	2.7	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	0.75		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: KL18024-015			
Description: H17-AF108 (121709)- (41-45)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1525							
Date Received: 12/18/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/30/2009 0443	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		104	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: KL18024-016			
Description: H17-AF104 (121709)- (41-45)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1630							
Date Received: 12/18/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/30/2009 0100	Analyst RRH	Prep Date	Batch 24460		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	4.5	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	0.73		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	0.45	J	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: KL18024-016			
Description: H17-AF104 (121709)- (41-45)				Matrix: Aqueous			
Date Sampled: 12/17/2009 1630							
Date Received: 12/18/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/30/2009 0100	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		98	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: KL18024-017			
Description: Trip Blank				Matrix: Aqueous			
Date Sampled: 12/18/2009 0836							
Date Received: 12/18/2009							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/30/2009 0123	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	0.17	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	0.17	J	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: KL18024-017			
Description: Trip Blank				Matrix: Aqueous			
Date Sampled: 12/18/2009 0836							
Date Received: 12/18/2009							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/30/2009 0123	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		95	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 ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample 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: KQ23963-001

Matrix: Solid

Batch: 23963

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	12/19/2009 1824
Benzene	ND		1	5.0	1.1	ug/kg	12/19/2009 1824
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	12/19/2009 1824
Bromoform	ND		1	5.0	0.70	ug/kg	12/19/2009 1824
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	12/19/2009 1824
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	12/19/2009 1824
Carbon disulfide	ND		1	5.0	1.3	ug/kg	12/19/2009 1824
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	12/19/2009 1824
Chlorobenzene	ND		1	5.0	1.7	ug/kg	12/19/2009 1824
Chloroethane	ND		1	5.0	1.3	ug/kg	12/19/2009 1824
Chloroform	ND		1	5.0	0.83	ug/kg	12/19/2009 1824
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	12/19/2009 1824
Cyclohexane	ND		1	5.0	0.67	ug/kg	12/19/2009 1824
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	12/19/2009 1824
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	12/19/2009 1824
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	12/19/2009 1824
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/19/2009 1824
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/19/2009 1824
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/19/2009 1824
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	12/19/2009 1824
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	12/19/2009 1824
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	12/19/2009 1824
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	12/19/2009 1824
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	12/19/2009 1824
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	12/19/2009 1824
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	12/19/2009 1824
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	12/19/2009 1824
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	12/19/2009 1824
Ethylbenzene	ND		1	5.0	1.7	ug/kg	12/19/2009 1824
2-Hexanone	ND		1	10	1.3	ug/kg	12/19/2009 1824
Isopropylbenzene	ND		1	5.0	0.80	ug/kg	12/19/2009 1824
Methyl acetate	ND		1	5.0	0.67	ug/kg	12/19/2009 1824
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	12/19/2009 1824
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	12/19/2009 1824
Methylcyclohexane	ND		1	5.0	0.61	ug/kg	12/19/2009 1824
Methylene chloride	ND		1	5.0	2.6	ug/kg	12/19/2009 1824
Styrene	ND		1	5.0	1.1	ug/kg	12/19/2009 1824
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	12/19/2009 1824
Tetrachloroethene	ND		1	5.0	2.3	ug/kg	12/19/2009 1824
Toluene	ND		1	5.0	1.7	ug/kg	12/19/2009 1824
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	2.1	ug/kg	12/19/2009 1824
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	12/19/2009 1824
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	12/19/2009 1824
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	12/19/2009 1824

PQL = Practical quantitation limit

P = The RPD between 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: KQ23963-001

Matrix: Solid

Batch: 23963

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	12/19/2009 1824
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	12/19/2009 1824
Vinyl chloride	ND		1	5.0	0.86	ug/kg	12/19/2009 1824
Xylenes (total)	ND		1	5.0	2.9	ug/kg	12/19/2009 1824
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		107	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

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ23963-002

Matrix: Solid

Batch: 23963

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	120		1	123	42-149	12/19/2009 1627
Benzene	50	55		1	110	69-123	12/19/2009 1627
Bromodichloromethane	50	58		1	116	69-121	12/19/2009 1627
Bromoform	50	54		1	109	61-119	12/19/2009 1627
Bromomethane (Methyl bromide)	50	46		1	91	35-144	12/19/2009 1627
2-Butanone (MEK)	100	120		1	120	57-148	12/19/2009 1627
Carbon disulfide	50	58		1	115	58-122	12/19/2009 1627
Carbon tetrachloride	50	59		1	118	58-136	12/19/2009 1627
Chlorobenzene	50	56		1	112	59-129	12/19/2009 1627
Chloroethane	50	51		1	102	50-132	12/19/2009 1627
Chloroform	50	55		1	110	71-125	12/19/2009 1627
Chloromethane (Methyl chloride)	50	46		1	93	34-134	12/19/2009 1627
Cyclohexane	50	58		1	116	53-139	12/19/2009 1627
1,2-Dibromo-3-chloropropane (DBCP)	50	63		1	125	55-125	12/19/2009 1627
Dibromochloromethane	50	55		1	110	66-119	12/19/2009 1627
1,2-Dibromoethane (EDB)	50	57		1	114	74-124	12/19/2009 1627
1,2-Dichlorobenzene	50	60		1	119	57-131	12/19/2009 1627
1,4-Dichlorobenzene	50	61		1	121	52-133	12/19/2009 1627
1,3-Dichlorobenzene	50	61		1	122	51-134	12/19/2009 1627
Dichlorodifluoromethane	50	49		1	98	10-157	12/19/2009 1627
1,2-Dichloroethane	50	55		1	109	67-129	12/19/2009 1627
1,1-Dichloroethane	50	54		1	108	71-127	12/19/2009 1627
1,1-Dichloroethene	50	57		1	114	69-138	12/19/2009 1627
cis-1,2-Dichloroethene	50	56		1	112	70-122	12/19/2009 1627
trans-1,2-Dichloroethene	50	56		1	112	68-131	12/19/2009 1627
1,2-Dichloropropane	50	55		1	111	72-124	12/19/2009 1627
trans-1,3-Dichloropropene	50	55		1	110	70-124	12/19/2009 1627
cis-1,3-Dichloropropene	50	54		1	108	70-126	12/19/2009 1627
Ethylbenzene	50	62		1	123	59-128	12/19/2009 1627
2-Hexanone	100	120		1	117	54-137	12/19/2009 1627
Isopropylbenzene	50	60		1	120	50-136	12/19/2009 1627
Methyl acetate	50	49		1	98	59-137	12/19/2009 1627
Methyl tertiary butyl ether (MTBE)	50	58		1	117	72-122	12/19/2009 1627
4-Methyl-2-pentanone	100	110		1	112	60-134	12/19/2009 1627
Methylcyclohexane	50	61		1	121	41-144	12/19/2009 1627
Methylene chloride	50	53		1	105	77-129	12/19/2009 1627
Styrene	50	57		1	113	54-136	12/19/2009 1627
1,1,2,2-Tetrachloroethane	50	59		1	118	69-132	12/19/2009 1627
Tetrachloroethene	50	59		1	119	70-130	12/19/2009 1627
Toluene	50	59		1	118	61-129	12/19/2009 1627
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	55		1	110	49-136	12/19/2009 1627
1,2,4-Trichlorobenzene	50	69		1	137	34-145	12/19/2009 1627
1,1,1-Trichloroethane	50	57		1	113	63-128	12/19/2009 1627
1,1,2-Trichloroethane	50	56		1	112	55-128	12/19/2009 1627

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: KQ23963-002

Matrix: Solid

Batch: 23963

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	57		1	113	62-126	12/19/2009 1627
Trichlorofluoromethane	50	56		1	112	45-138	12/19/2009 1627
Vinyl chloride	50	52		1	103	42-132	12/19/2009 1627
Xylenes (total)	100	120		1	115	58-128	12/19/2009 1627
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		126	47-138				
1,2-Dichloroethane-d4		97	53-142				
Toluene-d8		117	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: KQ23963-003

Matrix: Solid

Batch: 23963

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	120		1	118	4.0	42-149	20	12/19/2009 1650
Benzene	50	49		1	98	11	69-123	20	12/19/2009 1650
Bromodichloromethane	50	55		1	109	5.5	69-121	20	12/19/2009 1650
Bromoform	50	54		1	107	1.6	61-119	20	12/19/2009 1650
Bromomethane (Methyl bromide)	50	43		1	86	5.8	35-144	20	12/19/2009 1650
2-Butanone (MEK)	100	120		1	120	0.13	57-148	20	12/19/2009 1650
Carbon disulfide	50	50		1	100	14	58-122	20	12/19/2009 1650
Carbon tetrachloride	50	52		1	105	12	58-136	20	12/19/2009 1650
Chlorobenzene	50	53		1	106	6.1	59-129	20	12/19/2009 1650
Chloroethane	50	44		1	88	14	50-132	20	12/19/2009 1650
Chloroform	50	51		1	103	6.9	71-125	20	12/19/2009 1650
Chloromethane (Methyl chloride)	50	41		1	81	13	34-134	20	12/19/2009 1650
Cyclohexane	50	50		1	100	15	53-139	20	12/19/2009 1650
1,2-Dibromo-3-chloropropane (DBCP)	50	61		1	123	2.1	55-125	20	12/19/2009 1650
Dibromochloromethane	50	54		1	107	2.4	66-119	20	12/19/2009 1650
1,2-Dibromoethane (EDB)	50	56		1	112	2.5	74-124	20	12/19/2009 1650
1,2-Dichlorobenzene	50	56		1	111	6.8	57-131	20	12/19/2009 1650
1,4-Dichlorobenzene	50	56		1	111	8.5	52-133	20	12/19/2009 1650
1,3-Dichlorobenzene	50	56		1	111	9.4	51-134	20	12/19/2009 1650
Dichlorodifluoromethane	50	42		1	83	16	10-157	20	12/19/2009 1650
1,2-Dichloroethane	50	53		1	106	3.2	67-129	20	12/19/2009 1650
1,1-Dichloroethane	50	49		1	99	9.2	71-127	20	12/19/2009 1650
1,1-Dichloroethene	50	50		1	100	13	69-138	20	12/19/2009 1650
cis-1,2-Dichloroethene	50	52		1	103	8.2	70-122	20	12/19/2009 1650
trans-1,2-Dichloroethene	50	50		1	99	12	68-131	20	12/19/2009 1650
1,2-Dichloropropane	50	51		1	102	8.0	72-124	20	12/19/2009 1650
trans-1,3-Dichloropropene	50	54		1	109	1.1	70-124	20	12/19/2009 1650
cis-1,3-Dichloropropene	50	52		1	104	4.1	70-126	20	12/19/2009 1650
Ethylbenzene	50	56		1	111	10	59-128	20	12/19/2009 1650
2-Hexanone	100	120		1	118	0.90	54-137	20	12/19/2009 1650
Isopropylbenzene	50	54		1	107	11	50-136	20	12/19/2009 1650
Methyl acetate	50	50		1	99	0.92	59-137	20	12/19/2009 1650
Methyl tertiary butyl ether (MTBE)	50	57		1	115	1.5	72-122	20	12/19/2009 1650
4-Methyl-2-pentanone	100	110		1	112	0.52	60-134	20	12/19/2009 1650
Methylcyclohexane	50	52		1	103	16	41-144	20	12/19/2009 1650
Methylene chloride	50	49		1	97	7.7	77-129	20	12/19/2009 1650
Styrene	50	53		1	106	7.0	54-136	20	12/19/2009 1650
1,1,2,2-Tetrachloroethane	50	58		1	115	2.3	69-132	20	12/19/2009 1650
Tetrachloroethene	50	53		1	106	11	70-130	20	12/19/2009 1650
Toluene	50	54		1	107	9.4	61-129	20	12/19/2009 1650
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	48		1	95	14	49-136	20	12/19/2009 1650
1,2,4-Trichlorobenzene	50	62		1	123	11	34-145	20	12/19/2009 1650
1,1,1-Trichloroethane	50	50		1	101	12	63-128	20	12/19/2009 1650
1,1,2-Trichloroethane	50	55		1	109	2.3	55-128	20	12/19/2009 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 ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: KQ23963-003

Matrix: Solid

Batch: 23963

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	12	62-126	20	12/19/2009 1650
Trichlorofluoromethane	50	48		1	96	16	45-138	20	12/19/2009 1650
Vinyl chloride	50	41	+	1	83	22	42-132	20	12/19/2009 1650
Xylenes (total)	100	100		1	105	9.3	58-128	20	12/19/2009 1650
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		125	47-138						
1,2-Dichloroethane-d4		96	53-142						
Toluene-d8		115	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: KQ24377-001

Matrix: Solid

Batch: 24377

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	12/29/2009 1159
Benzene	ND		1	5.0	1.1	ug/kg	12/29/2009 1159
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	12/29/2009 1159
Bromoform	ND		1	5.0	0.70	ug/kg	12/29/2009 1159
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	12/29/2009 1159
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	12/29/2009 1159
Carbon disulfide	ND		1	5.0	1.3	ug/kg	12/29/2009 1159
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	12/29/2009 1159
Chlorobenzene	ND		1	5.0	1.7	ug/kg	12/29/2009 1159
Chloroethane	ND		1	5.0	1.3	ug/kg	12/29/2009 1159
Chloroform	ND		1	5.0	0.83	ug/kg	12/29/2009 1159
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	12/29/2009 1159
Cyclohexane	ND		1	5.0	0.67	ug/kg	12/29/2009 1159
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	12/29/2009 1159
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	12/29/2009 1159
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	12/29/2009 1159
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/29/2009 1159
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/29/2009 1159
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/29/2009 1159
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	12/29/2009 1159
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	12/29/2009 1159
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	12/29/2009 1159
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	12/29/2009 1159
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	12/29/2009 1159
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	12/29/2009 1159
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	12/29/2009 1159
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	12/29/2009 1159
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	12/29/2009 1159
Ethylbenzene	ND		1	5.0	1.7	ug/kg	12/29/2009 1159
2-Hexanone	ND		1	10	1.3	ug/kg	12/29/2009 1159
Isopropylbenzene	ND		1	5.0	0.80	ug/kg	12/29/2009 1159
Methyl acetate	ND		1	5.0	0.67	ug/kg	12/29/2009 1159
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	12/29/2009 1159
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	12/29/2009 1159
Methylcyclohexane	ND		1	5.0	0.61	ug/kg	12/29/2009 1159
Methylene chloride	ND		1	5.0	2.6	ug/kg	12/29/2009 1159
Styrene	ND		1	5.0	1.1	ug/kg	12/29/2009 1159
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	12/29/2009 1159
Tetrachloroethene	ND		1	5.0	2.3	ug/kg	12/29/2009 1159
Toluene	ND		1	5.0	1.7	ug/kg	12/29/2009 1159
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	2.1	ug/kg	12/29/2009 1159
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	12/29/2009 1159
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	12/29/2009 1159
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	12/29/2009 1159

PQL = Practical quantitation limit

P = The RPD between 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: KQ24377-001

Matrix: Solid

Batch: 24377

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	12/29/2009 1159
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	12/29/2009 1159
Vinyl chloride	ND		1	5.0	0.86	ug/kg	12/29/2009 1159
Xylenes (total)	ND		1	5.0	2.9	ug/kg	12/29/2009 1159
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		85	47-138				
1,2-Dichloroethane-d4		67	53-142				
Toluene-d8		81	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: KQ24377-002

Matrix: Solid

Batch: 24377

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	96		1	96	42-149	12/29/2009 1026
Benzene	50	53		1	106	69-123	12/29/2009 1026
Bromodichloromethane	50	54		1	107	69-121	12/29/2009 1026
Bromoform	50	52		1	104	61-119	12/29/2009 1026
Bromomethane (Methyl bromide)	50	54		1	108	35-144	12/29/2009 1026
2-Butanone (MEK)	100	90		1	90	57-148	12/29/2009 1026
Carbon disulfide	50	56		1	111	58-122	12/29/2009 1026
Carbon tetrachloride	50	54		1	109	58-136	12/29/2009 1026
Chlorobenzene	50	55		1	110	59-129	12/29/2009 1026
Chloroethane	50	54		1	108	50-132	12/29/2009 1026
Chloroform	50	54		1	107	71-125	12/29/2009 1026
Chloromethane (Methyl chloride)	50	56		1	112	34-134	12/29/2009 1026
Cyclohexane	50	55		1	109	53-139	12/29/2009 1026
1,2-Dibromo-3-chloropropane (DBCP)	50	55		1	111	55-125	12/29/2009 1026
Dibromochloromethane	50	52		1	104	66-119	12/29/2009 1026
1,2-Dibromoethane (EDB)	50	54		1	108	74-124	12/29/2009 1026
1,4-Dichlorobenzene	50	59		1	117	52-133	12/29/2009 1026
1,3-Dichlorobenzene	50	59		1	117	51-134	12/29/2009 1026
1,2-Dichlorobenzene	50	58		1	116	57-131	12/29/2009 1026
Dichlorodifluoromethane	50	70		1	139	10-157	12/29/2009 1026
1,2-Dichloroethane	50	51		1	102	67-129	12/29/2009 1026
1,1-Dichloroethane	50	52		1	105	71-127	12/29/2009 1026
trans-1,2-Dichloroethene	50	54		1	108	68-131	12/29/2009 1026
cis-1,2-Dichloroethene	50	53		1	106	70-122	12/29/2009 1026
1,1-Dichloroethene	50	54		1	108	69-138	12/29/2009 1026
1,2-Dichloropropane	50	52		1	104	72-124	12/29/2009 1026
trans-1,3-Dichloropropene	50	53		1	105	70-124	12/29/2009 1026
cis-1,3-Dichloropropene	50	51		1	102	70-126	12/29/2009 1026
Ethylbenzene	50	57		1	114	59-128	12/29/2009 1026
2-Hexanone	100	97		1	97	54-137	12/29/2009 1026
Isopropylbenzene	50	58		1	116	50-136	12/29/2009 1026
Methyl acetate	50	43		1	86	59-137	12/29/2009 1026
Methyl tertiary butyl ether (MTBE)	50	52		1	103	72-122	12/29/2009 1026
4-Methyl-2-pentanone	100	98		1	98	60-134	12/29/2009 1026
Methylcyclohexane	50	53		1	106	41-144	12/29/2009 1026
Methylene chloride	50	51		1	103	77-129	12/29/2009 1026
Styrene	50	54		1	109	54-136	12/29/2009 1026
1,1,2,2-Tetrachloroethane	50	57		1	114	69-132	12/29/2009 1026
Tetrachloroethene	50	55		1	110	70-130	12/29/2009 1026
Toluene	50	55		1	109	61-129	12/29/2009 1026
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	51		1	103	49-136	12/29/2009 1026
1,2,4-Trichlorobenzene	50	61		1	122	34-145	12/29/2009 1026
1,1,2-Trichloroethane	50	53		1	106	55-128	12/29/2009 1026
1,1,1-Trichloroethane	50	54		1	107	63-128	12/29/2009 1026

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: KQ24377-002

Matrix: Solid

Batch: 24377

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	54		1	108	62-126	12/29/2009 1026
Trichlorofluoromethane	50	56		1	112	45-138	12/29/2009 1026
Vinyl chloride	50	57		1	113	42-132	12/29/2009 1026
Xylenes (total)	100	110		1	113	58-128	12/29/2009 1026
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		93	47-138				
1,2-Dichloroethane-d4		70	53-142				
Toluene-d8		86	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: KQ24377-003

Matrix: Solid

Batch: 24377

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	88		1	88	8.6	42-149	20	12/29/2009 1049
Benzene	50	52		1	105	0.56	69-123	20	12/29/2009 1049
Bromodichloromethane	50	55		1	109	1.7	69-121	20	12/29/2009 1049
Bromoform	50	52		1	104	0.14	61-119	20	12/29/2009 1049
Bromomethane (Methyl bromide)	50	52		1	104	3.4	35-144	20	12/29/2009 1049
2-Butanone (MEK)	100	90		1	90	0.21	57-148	20	12/29/2009 1049
Carbon disulfide	50	54		1	109	2.2	58-122	20	12/29/2009 1049
Carbon tetrachloride	50	54		1	107	1.4	58-136	20	12/29/2009 1049
Chlorobenzene	50	55		1	109	0.65	59-129	20	12/29/2009 1049
Chloroethane	50	51		1	102	5.6	50-132	20	12/29/2009 1049
Chloroform	50	53		1	105	1.5	71-125	20	12/29/2009 1049
Chloromethane (Methyl chloride)	50	53		1	105	6.4	34-134	20	12/29/2009 1049
Cyclohexane	50	53		1	107	2.0	53-139	20	12/29/2009 1049
1,2-Dibromo-3-chloropropane (DBCP)	50	58		1	116	4.6	55-125	20	12/29/2009 1049
Dibromochloromethane	50	52		1	104	0.28	66-119	20	12/29/2009 1049
1,2-Dibromoethane (EDB)	50	53		1	107	0.72	74-124	20	12/29/2009 1049
1,4-Dichlorobenzene	50	57		1	115	2.0	52-133	20	12/29/2009 1049
1,3-Dichlorobenzene	50	58		1	117	0.23	51-134	20	12/29/2009 1049
1,2-Dichlorobenzene	50	58		1	115	0.51	57-131	20	12/29/2009 1049
Dichlorodifluoromethane	50	68		1	136	2.7	10-157	20	12/29/2009 1049
1,2-Dichloroethane	50	51		1	102	0.57	67-129	20	12/29/2009 1049
1,1-Dichloroethane	50	52		1	104	1.2	71-127	20	12/29/2009 1049
trans-1,2-Dichloroethene	50	53		1	107	1.2	68-131	20	12/29/2009 1049
cis-1,2-Dichloroethene	50	53		1	106	0.63	70-122	20	12/29/2009 1049
1,1-Dichloroethene	50	52		1	105	2.9	69-138	20	12/29/2009 1049
1,2-Dichloropropane	50	52		1	105	0.82	72-124	20	12/29/2009 1049
trans-1,3-Dichloropropene	50	52		1	104	1.3	70-124	20	12/29/2009 1049
cis-1,3-Dichloropropene	50	52		1	104	1.3	70-126	20	12/29/2009 1049
Ethylbenzene	50	56		1	113	1.6	59-128	20	12/29/2009 1049
2-Hexanone	100	100		1	100	3.0	54-137	20	12/29/2009 1049
Isopropylbenzene	50	58		1	115	1.1	50-136	20	12/29/2009 1049
Methyl acetate	50	44		1	87	1.2	59-137	20	12/29/2009 1049
Methyl tertiary butyl ether (MTBE)	50	52		1	104	0.95	72-122	20	12/29/2009 1049
4-Methyl-2-pentanone	100	99		1	99	0.46	60-134	20	12/29/2009 1049
Methylcyclohexane	50	53		1	106	0.24	41-144	20	12/29/2009 1049
Methylene chloride	50	52		1	103	0.54	77-129	20	12/29/2009 1049
Styrene	50	54		1	108	0.51	54-136	20	12/29/2009 1049
1,1,2,2-Tetrachloroethane	50	57		1	115	0.78	69-132	20	12/29/2009 1049
Tetrachloroethene	50	54		1	107	2.1	70-130	20	12/29/2009 1049
Toluene	50	54		1	108	1.2	61-129	20	12/29/2009 1049
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	49		1	99	4.1	49-136	20	12/29/2009 1049
1,2,4-Trichlorobenzene	50	62		1	124	1.9	34-145	20	12/29/2009 1049
1,1,2-Trichloroethane	50	54		1	108	1.6	55-128	20	12/29/2009 1049
1,1,1-Trichloroethane	50	53		1	106	1.5	63-128	20	12/29/2009 1049

PQL = Practical quantitation limit

P = The RPD between 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: KQ24377-003

Matrix: Solid

Batch: 24377

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	54		1	107	1.1	62-126	20	12/29/2009 1049
Trichlorofluoromethane	50	55		1	109	3.1	45-138	20	12/29/2009 1049
Vinyl chloride	50	51		1	103	9.7	42-132	20	12/29/2009 1049
Xylenes (total)	100	110		1	111	1.9	58-128	20	12/29/2009 1049
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		89	47-138						
1,2-Dichloroethane-d4		68	53-142						
Toluene-d8		81	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: 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 $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: 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

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ24560-001

Matrix: Solid

Batch: 24560

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	12/29/2009 1242
Benzene	ND		1	5.0	1.1	ug/kg	12/29/2009 1242
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	12/29/2009 1242
Bromoform	ND		1	5.0	0.70	ug/kg	12/29/2009 1242
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	12/29/2009 1242
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	12/29/2009 1242
Carbon disulfide	ND		1	5.0	1.3	ug/kg	12/29/2009 1242
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	12/29/2009 1242
Chlorobenzene	ND		1	5.0	1.7	ug/kg	12/29/2009 1242
Chloroethane	ND		1	5.0	1.3	ug/kg	12/29/2009 1242
Chloroform	ND		1	5.0	0.83	ug/kg	12/29/2009 1242
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	12/29/2009 1242
Cyclohexane	ND		1	5.0	0.67	ug/kg	12/29/2009 1242
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	12/29/2009 1242
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	12/29/2009 1242
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	12/29/2009 1242
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/29/2009 1242
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/29/2009 1242
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/29/2009 1242
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	12/29/2009 1242
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	12/29/2009 1242
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	12/29/2009 1242
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	12/29/2009 1242
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	12/29/2009 1242
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	12/29/2009 1242
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	12/29/2009 1242
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	12/29/2009 1242
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	12/29/2009 1242
Ethylbenzene	ND		1	5.0	1.7	ug/kg	12/29/2009 1242
2-Hexanone	ND		1	10	1.3	ug/kg	12/29/2009 1242
Isopropylbenzene	ND		1	5.0	0.80	ug/kg	12/29/2009 1242
Methyl acetate	ND		1	5.0	0.67	ug/kg	12/29/2009 1242
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	12/29/2009 1242
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	12/29/2009 1242
Methylcyclohexane	ND		1	5.0	0.61	ug/kg	12/29/2009 1242
Methylene chloride	ND		1	5.0	2.6	ug/kg	12/29/2009 1242
Styrene	ND		1	5.0	1.1	ug/kg	12/29/2009 1242
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	12/29/2009 1242
Tetrachloroethene	ND		1	5.0	2.3	ug/kg	12/29/2009 1242
Toluene	ND		1	5.0	1.7	ug/kg	12/29/2009 1242
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	2.1	ug/kg	12/29/2009 1242
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	12/29/2009 1242
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	12/29/2009 1242
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	12/29/2009 1242

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: KQ24560-001

Matrix: Solid

Batch: 24560

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	12/29/2009 1242
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	12/29/2009 1242
Vinyl chloride	ND		1	5.0	0.86	ug/kg	12/29/2009 1242
Xylenes (total)	ND		1	5.0	2.9	ug/kg	12/29/2009 1242
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		91	47-138				
1,2-Dichloroethane-d4		120	53-142				
Toluene-d8		105	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: KQ24560-002

Matrix: Solid

Batch: 24560

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	59		1	59	42-149	12/29/2009 1112
Benzene	50	45		1	89	69-123	12/29/2009 1112
Bromodichloromethane	50	47		1	95	69-121	12/29/2009 1112
Bromoform	50	44		1	88	61-119	12/29/2009 1112
Bromomethane (Methyl bromide)	50	52		1	104	35-144	12/29/2009 1112
2-Butanone (MEK)	100	79		1	79	57-148	12/29/2009 1112
Carbon disulfide	50	50		1	100	58-122	12/29/2009 1112
Carbon tetrachloride	50	48		1	95	58-136	12/29/2009 1112
Chlorobenzene	50	45		1	90	59-129	12/29/2009 1112
Chloroethane	50	51		1	103	50-132	12/29/2009 1112
Chloroform	50	46		1	92	71-125	12/29/2009 1112
Chloromethane (Methyl chloride)	50	43		1	85	34-134	12/29/2009 1112
Cyclohexane	50	48		1	97	53-139	12/29/2009 1112
1,2-Dibromo-3-chloropropane (DBCP)	50	33		1	66	55-125	12/29/2009 1112
Dibromochloromethane	50	46		1	92	66-119	12/29/2009 1112
1,2-Dibromoethane (EDB)	50	41		1	83	74-124	12/29/2009 1112
1,4-Dichlorobenzene	50	46		1	91	52-133	12/29/2009 1112
1,3-Dichlorobenzene	50	47		1	94	51-134	12/29/2009 1112
1,2-Dichlorobenzene	50	44		1	89	57-131	12/29/2009 1112
Dichlorodifluoromethane	50	39		1	78	10-157	12/29/2009 1112
1,2-Dichloroethane	50	43		1	86	67-129	12/29/2009 1112
1,1-Dichloroethane	50	47		1	93	71-127	12/29/2009 1112
trans-1,2-Dichloroethene	50	45		1	90	68-131	12/29/2009 1112
cis-1,2-Dichloroethene	50	44		1	87	70-122	12/29/2009 1112
1,1-Dichloroethene	50	45		1	89	69-138	12/29/2009 1112
1,2-Dichloropropane	50	45		1	91	72-124	12/29/2009 1112
trans-1,3-Dichloropropene	50	45		1	91	70-124	12/29/2009 1112
cis-1,3-Dichloropropene	50	46		1	93	70-126	12/29/2009 1112
Ethylbenzene	50	47		1	94	59-128	12/29/2009 1112
2-Hexanone	100	68		1	68	54-137	12/29/2009 1112
Isopropylbenzene	50	47		1	94	50-136	12/29/2009 1112
Methyl acetate	50	46		1	92	59-137	12/29/2009 1112
Methyl tertiary butyl ether (MTBE)	50	40		1	80	72-122	12/29/2009 1112
4-Methyl-2-pentanone	100	72		1	72	60-134	12/29/2009 1112
Methylcyclohexane	50	49		1	98	41-144	12/29/2009 1112
Methylene chloride	50	44		1	87	77-129	12/29/2009 1112
Styrene	50	47		1	94	54-136	12/29/2009 1112
1,1,2,2-Tetrachloroethane	50	40		1	80	69-132	12/29/2009 1112
Tetrachloroethene	50	47		1	93	70-130	12/29/2009 1112
Toluene	50	47		1	93	61-129	12/29/2009 1112
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	47		1	93	49-136	12/29/2009 1112
1,2,4-Trichlorobenzene	50	42		1	84	34-145	12/29/2009 1112
1,1,2-Trichloroethane	50	42		1	85	55-128	12/29/2009 1112
1,1,1-Trichloroethane	50	47		1	94	63-128	12/29/2009 1112

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: KQ24560-002

Matrix: Solid

Batch: 24560

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	92	62-126	12/29/2009 1112
Trichlorofluoromethane	50	47		1	94	45-138	12/29/2009 1112
Vinyl chloride	50	51		1	102	42-132	12/29/2009 1112
Xylenes (total)	100	94		1	94	58-128	12/29/2009 1112
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		86	47-138				
1,2-Dichloroethane-d4		94	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 - LCSD

Sample ID: KQ24560-003

Matrix: Solid

Batch: 24560

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	99	+	1	99	51	42-149	20	12/29/2009 1135
Benzene	50	50		1	101	12	69-123	20	12/29/2009 1135
Bromodichloromethane	50	55		1	110	15	69-121	20	12/29/2009 1135
Bromoform	50	54	+	1	108	21	61-119	20	12/29/2009 1135
Bromomethane (Methyl bromide)	50	57		1	114	9.3	35-144	20	12/29/2009 1135
2-Butanone (MEK)	100	110	+	1	105	29	57-148	20	12/29/2009 1135
Carbon disulfide	50	54		1	108	8.2	58-122	20	12/29/2009 1135
Carbon tetrachloride	50	54		1	108	12	58-136	20	12/29/2009 1135
Chlorobenzene	50	52		1	103	14	59-129	20	12/29/2009 1135
Chloroethane	50	56		1	111	8.0	50-132	20	12/29/2009 1135
Chloroform	50	52		1	104	12	71-125	20	12/29/2009 1135
Chloromethane (Methyl chloride)	50	65	+	1	130	42	34-134	20	12/29/2009 1135
Cyclohexane	50	54		1	109	12	53-139	20	12/29/2009 1135
1,2-Dibromo-3-chloropropane (DBCP)	50	50	+	1	101	42	55-125	20	12/29/2009 1135
Dibromochloromethane	50	53		1	107	15	66-119	20	12/29/2009 1135
1,2-Dibromoethane (EDB)	50	49		1	97	16	74-124	20	12/29/2009 1135
1,4-Dichlorobenzene	50	54		1	108	17	52-133	20	12/29/2009 1135
1,3-Dichlorobenzene	50	57		1	114	19	51-134	20	12/29/2009 1135
1,2-Dichlorobenzene	50	55		1	109	20	57-131	20	12/29/2009 1135
Dichlorodifluoromethane	50	44		1	88	12	10-157	20	12/29/2009 1135
1,2-Dichloroethane	50	49		1	98	13	67-129	20	12/29/2009 1135
1,1-Dichloroethane	50	52		1	104	11	71-127	20	12/29/2009 1135
trans-1,2-Dichloroethene	50	49		1	98	9.2	68-131	20	12/29/2009 1135
cis-1,2-Dichloroethene	50	49		1	98	12	70-122	20	12/29/2009 1135
1,1-Dichloroethene	50	49		1	99	10	69-138	20	12/29/2009 1135
1,2-Dichloropropane	50	52		1	105	14	72-124	20	12/29/2009 1135
trans-1,3-Dichloropropene	50	52		1	103	13	70-124	20	12/29/2009 1135
cis-1,3-Dichloropropene	50	53		1	107	14	70-126	20	12/29/2009 1135
Ethylbenzene	50	54		1	108	14	59-128	20	12/29/2009 1135
2-Hexanone	100	96	+	1	96	35	54-137	20	12/29/2009 1135
Isopropylbenzene	50	56		1	111	17	50-136	20	12/29/2009 1135
Methyl acetate	50	59	+	1	118	25	59-137	20	12/29/2009 1135
Methyl tertiary butyl ether (MTBE)	50	48		1	97	19	72-122	20	12/29/2009 1135
4-Methyl-2-pentanone	100	100	+	1	104	36	60-134	20	12/29/2009 1135
Methylcyclohexane	50	56		1	113	14	41-144	20	12/29/2009 1135
Methylene chloride	50	49		1	97	11	77-129	20	12/29/2009 1135
Styrene	50	55		1	109	15	54-136	20	12/29/2009 1135
1,1,2,2-Tetrachloroethane	50	51	+	1	102	24	69-132	20	12/29/2009 1135
Tetrachloroethene	50	53		1	106	12	70-130	20	12/29/2009 1135
Toluene	50	54		1	108	14	61-129	20	12/29/2009 1135
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	52		1	103	10	49-136	20	12/29/2009 1135
1,2,4-Trichlorobenzene	50	52	+	1	104	21	34-145	20	12/29/2009 1135
1,1,2-Trichloroethane	50	50		1	99	16	55-128	20	12/29/2009 1135
1,1,1-Trichloroethane	50	54		1	107	13	63-128	20	12/29/2009 1135

PQL = Practical quantitation limit

P = The RPD between 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: KQ24560-003

Matrix: Solid

Batch: 24560

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	13	62-126	20	12/29/2009 1135
Trichlorofluoromethane	50	51		1	102	8.6	45-138	20	12/29/2009 1135
Vinyl chloride	50	62		1	124	19	42-132	20	12/29/2009 1135
Xylenes (total)	100	110		1	108	14	58-128	20	12/29/2009 1135
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		94	47-138						
1,2-Dichloroethane-d4		100	53-142						
Toluene-d8		106	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: LQ24599-001

Matrix: Solid

Batch: 24599

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	12/30/2009 2323
Benzene	ND		1	5.0	1.1	ug/kg	12/30/2009 2323
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	12/30/2009 2323
Bromoform	ND		1	5.0	0.70	ug/kg	12/30/2009 2323
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	12/30/2009 2323
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	12/30/2009 2323
Carbon disulfide	ND		1	5.0	1.3	ug/kg	12/30/2009 2323
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	12/30/2009 2323
Chlorobenzene	ND		1	5.0	1.7	ug/kg	12/30/2009 2323
Chloroethane	ND		1	5.0	1.3	ug/kg	12/30/2009 2323
Chloroform	ND		1	5.0	0.83	ug/kg	12/30/2009 2323
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	12/30/2009 2323
Cyclohexane	ND		1	5.0	0.67	ug/kg	12/30/2009 2323
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	12/30/2009 2323
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	12/30/2009 2323
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	12/30/2009 2323
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/30/2009 2323
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/30/2009 2323
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/30/2009 2323
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	12/30/2009 2323
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	12/30/2009 2323
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	12/30/2009 2323
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	12/30/2009 2323
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	12/30/2009 2323
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	12/30/2009 2323
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	12/30/2009 2323
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	12/30/2009 2323
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	12/30/2009 2323
Ethylbenzene	ND		1	5.0	1.7	ug/kg	12/30/2009 2323
2-Hexanone	ND		1	10	1.3	ug/kg	12/30/2009 2323
Isopropylbenzene	ND		1	5.0	0.80	ug/kg	12/30/2009 2323
Methyl acetate	ND		1	5.0	0.67	ug/kg	12/30/2009 2323
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	12/30/2009 2323
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	12/30/2009 2323
Methylcyclohexane	ND		1	5.0	0.61	ug/kg	12/30/2009 2323
Methylene chloride	ND		1	5.0	2.6	ug/kg	12/30/2009 2323
Styrene	ND		1	5.0	1.1	ug/kg	12/30/2009 2323
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	12/30/2009 2323
Tetrachloroethene	ND		1	5.0	2.3	ug/kg	12/30/2009 2323
Toluene	ND		1	5.0	1.7	ug/kg	12/30/2009 2323
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	2.1	ug/kg	12/30/2009 2323
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	12/30/2009 2323
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	12/30/2009 2323
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	12/30/2009 2323

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LQ24599-001

Matrix: Solid

Batch: 24599

Prep Method: 5035

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	12/30/2009 2323
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	12/30/2009 2323
Vinyl chloride	ND		1	5.0	0.86	ug/kg	12/30/2009 2323
Xylenes (total)	ND		1	5.0	2.9	ug/kg	12/30/2009 2323
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		85	47-138				
1,2-Dichloroethane-d4		70	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 - LCS

Sample ID: LQ24599-002

Matrix: Solid

Batch: 24599

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	109	42-149	12/30/2009 2207
Benzene	50	49		1	97	69-123	12/30/2009 2207
Bromodichloromethane	50	54		1	107	69-121	12/30/2009 2207
Bromoform	50	53		1	107	61-119	12/30/2009 2207
Bromomethane (Methyl bromide)	50	48		1	95	35-144	12/30/2009 2207
2-Butanone (MEK)	100	96		1	96	57-148	12/30/2009 2207
Carbon disulfide	50	47		1	94	58-122	12/30/2009 2207
Carbon tetrachloride	50	46		1	92	58-136	12/30/2009 2207
Chlorobenzene	50	49		1	98	59-129	12/30/2009 2207
Chloroethane	50	48		1	97	50-132	12/30/2009 2207
Chloroform	50	52		1	104	71-125	12/30/2009 2207
Chloromethane (Methyl chloride)	50	41		1	81	34-134	12/30/2009 2207
Cyclohexane	50	44		1	88	53-139	12/30/2009 2207
1,2-Dibromo-3-chloropropane (DBCP)	50	58		1	117	55-125	12/30/2009 2207
Dibromochloromethane	50	53		1	106	66-119	12/30/2009 2207
1,2-Dibromoethane (EDB)	50	56		1	111	74-124	12/30/2009 2207
1,3-Dichlorobenzene	50	45		1	90	51-134	12/30/2009 2207
1,4-Dichlorobenzene	50	43		1	87	52-133	12/30/2009 2207
1,2-Dichlorobenzene	50	48		1	96	57-131	12/30/2009 2207
Dichlorodifluoromethane	50	54		1	109	10-157	12/30/2009 2207
1,2-Dichloroethane	50	52		1	105	67-129	12/30/2009 2207
1,1-Dichloroethane	50	50		1	100	71-127	12/30/2009 2207
trans-1,2-Dichloroethene	50	48		1	95	68-131	12/30/2009 2207
1,1-Dichloroethene	50	46		1	91	69-138	12/30/2009 2207
cis-1,2-Dichloroethene	50	51		1	102	70-122	12/30/2009 2207
1,2-Dichloropropane	50	51		1	102	72-124	12/30/2009 2207
cis-1,3-Dichloropropene	50	48		1	96	70-126	12/30/2009 2207
trans-1,3-Dichloropropene	50	50		1	101	70-124	12/30/2009 2207
Ethylbenzene	50	49		1	97	59-128	12/30/2009 2207
2-Hexanone	100	110		1	114	54-137	12/30/2009 2207
Isopropylbenzene	50	48		1	96	50-136	12/30/2009 2207
Methyl acetate	50	47		1	94	59-137	12/30/2009 2207
Methyl tertiary butyl ether (MTBE)	50	56		1	113	72-122	12/30/2009 2207
4-Methyl-2-pentanone	100	100		1	103	60-134	12/30/2009 2207
Methylcyclohexane	50	39		1	78	41-144	12/30/2009 2207
Methylene chloride	50	53		1	105	77-129	12/30/2009 2207
Styrene	50	48		1	95	54-136	12/30/2009 2207
1,1,2,2-Tetrachloroethane	50	52		1	105	69-132	12/30/2009 2207
Tetrachloroethene	50	42		1	84	70-130	12/30/2009 2207
Toluene	50	48		1	95	61-129	12/30/2009 2207
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	39		1	78	49-136	12/30/2009 2207
1,2,4-Trichlorobenzene	50	37		1	74	34-145	12/30/2009 2207
1,1,2-Trichloroethane	50	57		1	115	55-128	12/30/2009 2207
1,1,1-Trichloroethane	50	48		1	96	63-128	12/30/2009 2207

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

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

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: LQ24599-002

Matrix: Solid

Batch: 24599

Prep Method: 5035

Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	50		1	100	62-126	12/30/2009 2207
Trichlorofluoromethane	50	45		1	90	45-138	12/30/2009 2207
Vinyl chloride	50	40		1	80	42-132	12/30/2009 2207
Xylenes (total)	100	96		1	96	58-128	12/30/2009 2207
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		91	47-138				
1,2-Dichloroethane-d4		72	53-142				
Toluene-d8		84	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: LQ24599-003

Matrix: Solid

Batch: 24599

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	106	2.7	42-149	20	12/30/2009 2230
Benzene	50	48		1	96	1.1	69-123	20	12/30/2009 2230
Bromodichloromethane	50	54		1	108	0.26	69-121	20	12/30/2009 2230
Bromoform	50	53		1	106	0.99	61-119	20	12/30/2009 2230
Bromomethane (Methyl bromide)	50	50		1	100	5.1	35-144	20	12/30/2009 2230
2-Butanone (MEK)	100	99		1	99	2.7	57-148	20	12/30/2009 2230
Carbon disulfide	50	45		1	91	3.2	58-122	20	12/30/2009 2230
Carbon tetrachloride	50	45		1	89	3.1	58-136	20	12/30/2009 2230
Chlorobenzene	50	48		1	95	2.6	59-129	20	12/30/2009 2230
Chloroethane	50	47		1	93	3.5	50-132	20	12/30/2009 2230
Chloroform	50	51		1	101	2.9	71-125	20	12/30/2009 2230
Chloromethane (Methyl chloride)	50	40		1	79	2.2	34-134	20	12/30/2009 2230
Cyclohexane	50	42		1	83	6.0	53-139	20	12/30/2009 2230
1,2-Dibromo-3-chloropropane (DBCP)	50	61		1	122	4.3	55-125	20	12/30/2009 2230
Dibromochloromethane	50	52		1	105	1.5	66-119	20	12/30/2009 2230
1,2-Dibromoethane (EDB)	50	55		1	111	0.39	74-124	20	12/30/2009 2230
1,3-Dichlorobenzene	50	44		1	88	3.2	51-134	20	12/30/2009 2230
1,4-Dichlorobenzene	50	43		1	87	0.33	52-133	20	12/30/2009 2230
1,2-Dichlorobenzene	50	48		1	97	0.61	57-131	20	12/30/2009 2230
Dichlorodifluoromethane	50	53		1	106	3.0	10-157	20	12/30/2009 2230
1,2-Dichloroethane	50	52		1	104	0.58	67-129	20	12/30/2009 2230
1,1-Dichloroethane	50	49		1	98	2.8	71-127	20	12/30/2009 2230
trans-1,2-Dichloroethene	50	46		1	93	2.8	68-131	20	12/30/2009 2230
1,1-Dichloroethene	50	44		1	89	2.9	69-138	20	12/30/2009 2230
cis-1,2-Dichloroethene	50	50		1	100	1.4	70-122	20	12/30/2009 2230
1,2-Dichloropropane	50	51		1	102	0.57	72-124	20	12/30/2009 2230
cis-1,3-Dichloropropene	50	49		1	97	1.3	70-126	20	12/30/2009 2230
trans-1,3-Dichloropropene	50	49		1	99	1.9	70-124	20	12/30/2009 2230
Ethylbenzene	50	47		1	94	3.7	59-128	20	12/30/2009 2230
2-Hexanone	100	110		1	110	3.5	54-137	20	12/30/2009 2230
Isopropylbenzene	50	46		1	93	3.3	50-136	20	12/30/2009 2230
Methyl acetate	50	47		1	94	0.72	59-137	20	12/30/2009 2230
Methyl tertiary butyl ether (MTBE)	50	56		1	111	1.0	72-122	20	12/30/2009 2230
4-Methyl-2-pentanone	100	110		1	106	2.8	60-134	20	12/30/2009 2230
Methylcyclohexane	50	37		1	75	4.5	41-144	20	12/30/2009 2230
Methylene chloride	50	51		1	102	3.0	77-129	20	12/30/2009 2230
Styrene	50	47		1	94	1.2	54-136	20	12/30/2009 2230
1,1,2,2-Tetrachloroethane	50	53		1	106	1.3	69-132	20	12/30/2009 2230
Tetrachloroethene	50	40		1	79	5.5	70-130	20	12/30/2009 2230
Toluene	50	48		1	95	0.029	61-129	20	12/30/2009 2230
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	37		1	74	5.6	49-136	20	12/30/2009 2230
1,2,4-Trichlorobenzene	50	37		1	75	1.3	34-145	20	12/30/2009 2230
1,1,2-Trichloroethane	50	56		1	111	3.4	55-128	20	12/30/2009 2230
1,1,1-Trichloroethane	50	46		1	92	4.1	63-128	20	12/30/2009 2230

PQL = Practical quantitation limit

P = The RPD between 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: LQ24599-003

Matrix: Solid

Batch: 24599

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	49		1	99	1.2	62-126	20	12/30/2009 2230
Trichlorofluoromethane	50	44		1	88	2.5	45-138	20	12/30/2009 2230
Vinyl chloride	50	38		1	76	4.8	42-132	20	12/30/2009 2230
Xylenes (total)	100	93		1	93	3.2	58-128	20	12/30/2009 2230
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		94	47-138						
1,2-Dichloroethane-d4		74	53-142						
Toluene-d8		88	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



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 101506

Client Arcoadis		Report to Contact Scott Bestian		Telephone No. / Fax No. / E-mail 919-854-1282/south.bestian@arcoadis.com		Quote No.
Address 801 Corporate Center Drive #300		Sampler's Signature <i>[Signature]</i>		Why? No.		Page 1 of 2
City Raleigh	State NC	Zip Code 27607	Printed Name Josh Frizzle		Analysis: (Attach and fill in more space is needed.)	
Project Name HAA-17		Project No. SP08HAFS.H17B.DG-0F1		Lot No. KL1624		Remarks / Cooler I.D.
Sample ID / Description (Containers for each sample may be combined on one line.)		Matrix		No. of Containers by Preservative Type		
		Aqueous		Copper		
		Solid		MISC		
		Agar		HCHO		
		Organic		BODS		
Date		Time				
H17-AF103(121609)-(34-35)		12-16-09 0900		G		X
H17-AF103(121609)-(44-45)		12-16-09 0905		G		X
H17-AF104(121609)-(24-25)		12-16-09 1035		G		X
H17-AF104(121609)-(34-35)		12-16-09 1045		G		X
H17-AF104(121609)-(44-45)		12-16-09 1050		G		X
H17-AF105(121609)-(34-35)		12-16-09 1605		G		X
H17-AF105(121609)-(44-45)		12-16-09 1610		G		X
H17-AF105(121609)-(41-45)		12-16-09 1645		G		X
H17-AF107(121709)-(34-35)		12-17-09 1000		G		X
H17-AF107(121709)-(44-45)		12-17-09 1005		G		X
Possible Hazard Identification		Sample Disposal		Disposal by Lab		
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☒ Unknown		☐ Return to Client		☒ Disposal by Lab		
Turn Around Time Required (Prior lab approval required for expedited TAT.)		QC Requirements (Specify)		Note: All samples are retained for six weeks from receipt unless other arrangements are made.		
1. Requisitioned by <i>[Signature]</i>		Date		Time		
2. Requisitioned by <i>[Signature]</i>		Date		Time		
3. Requisitioned by <i>[Signature]</i>		Date		Time		
Comments		LAB USE ONLY		Receipt Temp. 2.6 °C		

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

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



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 101507

Client Arcaids		Report to Contact Scott Bestion		Telephone No. / Fax No. / E-mail 919-854-1282 / scott.bestion@parcels-us.com		Quote No.
Address 801 Corporate Center Dr. #300		Sampler's Signature <i>Josh Frizzell</i>		Waybill No.		Page 3 of 2
City Raleigh	State NC	Zip Code 27607	Analysis (Attach list if more space is needed)			
Project Name HAA-17			Lot No. KL18024			
Project No. G-P08HAFS, H17B, D60F1			Remarks / Cooler I.D.			
Sample ID / Description (Containers for each sample may be combined on one line.)			82000000			
Date			Time			
H17-AF107(121709)-(41-45)			12-17-09 1010			
H17-A						
H17-PF2(121709)-(41-45)			12-17-09 1145			
H17-AF108(121709)-(34-35)			12-17-09 1500			
H17-AF108(121709)-(44-45)			12-17-09 1505			
H17-AF108(121709)-(41-45)			12-17-09 1525			
H17-AF104(121709)-(41-45)			12-17-09 1630			
Trip Blank			JDF 12-17-2009			
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☒ Unknown			Sample Disposal ☐ Return to Client ☒ Disposal by Lab			
Turn Around Time: Required (Prior lab approval required for expedited TAT) ☒ Standard ☐ Rush (Specify)			QC Requirements (Specify)			
1. Requisitioned by <i>Josh Frizzell</i>			Date 12-17-09		Time 1800	
2. Requisitioned by			Date		Time	
3. Requisitioned by			Date		Time	
Comments FED 04			Date 12-18-09		Time 0830	
LAB USE ONLY Received on ice (Circle) ☒ Yes ☐ No Ice Pack			Receipt Temp.		°C	

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: FAD-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: 09/22/05
Effective Date: 05/25/07

Sample Receipt Checklist (SRG)

Client: Arcadis Cooler Inspected by/date: EC 12/18/06 Lot #: KL18024

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>216</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" (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: _____

Report of Analysis

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

Project Name: HAA-17

Project Number: GP08HAFS.H17C.DPCSR

Lot Number: MK19010

Date Completed: 12/02/2011



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.

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SHEALY ENVIRONMENTAL SERVICES, INC.

SC DHEC No: 32010

NELAC No: E87653

NC DENR No: 329

Case Narrative ARCADIS U.S., Inc. Lot Number: MK19010

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: MK19010

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	H17-AF-53 (111811)	Aqueous	11/18/2011 1315	11/19/2011
002	H17-AF-70 (111811)	Aqueous	11/18/2011 1225	11/19/2011
003	H17-AF-71 (111811)	Aqueous	11/18/2011 1135	11/19/2011
004	TRIP_BLANK (111811)	Aqueous	11/18/2011	11/19/2011
(4 samples)				

SHEALY ENVIRONMENTAL SERVICES, INC.

Executive Summary ARCADIS U.S., Inc. Lot Number: MK19010

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	H17-AF-53 (111811)	Aqueous	cis-1,2-Dichloroethene	8260B	33		ug/L	5
001	H17-AF-53 (111811)	Aqueous	Trichloroethene	8260B	1200		ug/L	5
002	H17-AF-70 (111811)	Aqueous	Trichloroethene	8260B	3.9	J	ug/L	7
003	H17-AF-71 (111811)	Aqueous	Benzene	8260B	0.21	J	ug/L	9
003	H17-AF-71 (111811)	Aqueous	trans-1,2-Dichloroethene	8260B	1.2		ug/L	9
003	H17-AF-71 (111811)	Aqueous	cis-1,2-Dichloroethene	8260B	20		ug/L	9
003	H17-AF-71 (111811)	Aqueous	1,1-Dichloroethene	8260B	0.19	J	ug/L	9
003	H17-AF-71 (111811)	Aqueous	Trichloroethene	8260B	4.8		ug/L	9
003	H17-AF-71 (111811)	Aqueous	Vinyl chloride	8260B	2.5		ug/L	9
004	TRIP_BLANK (111811)	Aqueous	cis-1,2-Dichloroethene	8260B	0.15	J	ug/L	11

(10 detections)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: MK19010-001			
Description: H17-AF-53 (111811)				Matrix: Aqueous			
Date Sampled: 11/18/2011 1315							
Date Received: 11/19/2011							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	20	11/28/2011 2216	LBS		72633		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		400	130	ug/L	1
Benzene	71-43-2	8260B	ND		20	2.6	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		20	6.6	ug/L	1
Bromoform	75-25-2	8260B	ND		20	13	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		40	16	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		200	41	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		20	1.9	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		20	2.7	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		40	6.6	ug/L	1
Chloroethane	75-00-3	8260B	ND		40	9.4	ug/L	1
Chloroform	67-66-3	8260B	ND		20	6.6	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		20	7.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		20	6.6	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		20	6.6	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		20	6.6	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		20	6.6	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		20	2.9	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		20	2.6	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		20	4.1	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	33		20	2.4	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		20	3.2	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		20	3.8	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		20	2.1	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		20	1.8	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		20	6.6	ug/L	1
2-Hexanone	591-78-6	8260B	ND		200	5.5	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		20	8.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		200	6.2	ug/L	1
Methylene chloride	75-09-2	8260B	ND		20	6.6	ug/L	1
Styrene	100-42-5	8260B	ND		20	2.4	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		20	3.3	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		20	2.6	ug/L	1
Toluene	108-88-3	8260B	ND		20	6.6	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		20	10	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		20	4.2	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		20	1.5	ug/L	1
Trichloroethene	79-01-6	8260B	1200		20	3.6	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		20	1.1	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		20	6.6	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: MK19010-001
Description: H17-AF-53 (111811)	Matrix: Aqueous
Date Sampled: 11/18/2011 1315	
Date Received: 11/19/2011	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		98	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

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: MK19010-002			
Description: H17-AF-70 (111811)				Matrix: Aqueous			
Date Sampled: 11/18/2011 1225							
Date Received: 11/19/2011							

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 10	Analysis Date 11/28/2011 2134	Analyst LBS	Prep Date	Batch 72633		
Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone	67-64-1	8260B	ND		200	67	ug/L	1	
Benzene	71-43-2	8260B	ND		10	1.3	ug/L	1	
Bromodichloromethane	75-27-4	8260B	ND		10	3.3	ug/L	1	
Bromoform	75-25-2	8260B	ND		10	6.6	ug/L	1	
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		20	8.0	ug/L	1	
2-Butanone (MEK)	78-93-3	8260B	ND		100	20	ug/L	1	
Carbon disulfide	75-15-0	8260B	ND		10	0.97	ug/L	1	
Carbon tetrachloride	56-23-5	8260B	ND		10	1.4	ug/L	1	
Chlorobenzene	108-90-7	8260B	ND		20	3.3	ug/L	1	
Chloroethane	75-00-3	8260B	ND		20	4.7	ug/L	1	
Chloroform	67-66-3	8260B	ND		10	3.3	ug/L	1	
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		10	3.5	ug/L	1	
Dibromochloromethane	124-48-1	8260B	ND		10	3.3	ug/L	1	
1,4-Dichlorobenzene	106-46-7	8260B	ND		10	3.3	ug/L	1	
1,3-Dichlorobenzene	541-73-1	8260B	ND		10	3.3	ug/L	1	
1,2-Dichlorobenzene	95-50-1	8260B	ND		10	3.3	ug/L	1	
1,2-Dichloroethane	107-06-2	8260B	ND		10	1.5	ug/L	1	
1,1-Dichloroethane	75-34-3	8260B	ND		10	1.3	ug/L	1	
trans-1,2-Dichloroethene	156-60-5	8260B	ND		10	2.1	ug/L	1	
cis-1,2-Dichloroethene	156-59-2	8260B	ND		10	1.2	ug/L	1	
1,1-Dichloroethene	75-35-4	8260B	ND		10	1.6	ug/L	1	
1,2-Dichloropropane	78-87-5	8260B	ND		10	1.9	ug/L	1	
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		10	1.1	ug/L	1	
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		10	0.92	ug/L	1	
Ethylbenzene	100-41-4	8260B	ND		10	3.3	ug/L	1	
2-Hexanone	591-78-6	8260B	ND		100	2.7	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		10	4.0	ug/L	1	
4-Methyl-2-pentanone	108-10-1	8260B	ND		100	3.1	ug/L	1	
Methylene chloride	75-09-2	8260B	ND		10	3.3	ug/L	1	
Styrene	100-42-5	8260B	ND		10	1.2	ug/L	1	
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		10	1.6	ug/L	1	
Tetrachloroethene	127-18-4	8260B	ND		10	1.3	ug/L	1	
Toluene	108-88-3	8260B	ND		10	3.3	ug/L	1	
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		10	5.1	ug/L	1	
1,1,2-Trichloroethane	79-00-5	8260B	ND		10	2.1	ug/L	1	
1,1,1-Trichloroethane	71-55-6	8260B	ND		10	0.74	ug/L	1	
Trichloroethene	79-01-6	8260B	3.9	J	10	1.8	ug/L	1	
Vinyl chloride	75-01-4	8260B	ND		10	0.54	ug/L	1	
Xylenes (total)	1330-20-7	8260B	ND		10	3.3	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: MK19010-002
Description: H17-AF-70 (111811)	Matrix: Aqueous
Date Sampled: 11/18/2011 1225	
Date Received: 11/19/2011	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		97	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: MK19010-003			
Description: H17-AF-71 (111811)				Matrix: Aqueous			
Date Sampled: 11/18/2011 1135							
Date Received: 11/19/2011							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	11/28/2011 2155	LBS		72633		

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	0.21	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	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	1.2		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	20		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	0.19	J	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	4.8		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	2.5		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: MK19010-003
Description: H17-AF-71 (111811)	Matrix: Aqueous
Date Sampled: 11/18/2011 1135	
Date Received: 11/19/2011	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	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: MK19010-004			
Description: TRIP_BLANK (111811)				Matrix: Aqueous			
Date Sampled: 11/18/2011							
Date Received: 11/19/2011							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	11/22/2011 1628	BM		72277		

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	0.15	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: MK19010-004
Description: TRIP_BLANK (111811)	Matrix: Aqueous
Date Sampled: 11/18/2011	
Date Received: 11/19/2011	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		98	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)

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ72277-001

Matrix: Aqueous

Batch: 72277

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	11/22/2011 1018
Benzene	ND		1	1.0	0.13	ug/L	11/22/2011 1018
Bromodichloromethane	ND		1	1.0	0.33	ug/L	11/22/2011 1018
Bromoform	ND		1	1.0	0.66	ug/L	11/22/2011 1018
Bromomethane (Methyl bromide)	ND		1	2.0	0.80	ug/L	11/22/2011 1018
2-Butanone (MEK)	ND		1	10	2.0	ug/L	11/22/2011 1018
Carbon disulfide	ND		1	1.0	0.097	ug/L	11/22/2011 1018
Carbon tetrachloride	ND		1	1.0	0.14	ug/L	11/22/2011 1018
Chlorobenzene	ND		1	2.0	0.33	ug/L	11/22/2011 1018
Chloroethane	ND		1	2.0	0.47	ug/L	11/22/2011 1018
Chloroform	ND		1	1.0	0.33	ug/L	11/22/2011 1018
Chloromethane (Methyl chloride)	ND		1	1.0	0.35	ug/L	11/22/2011 1018
Dibromochloromethane	ND		1	1.0	0.33	ug/L	11/22/2011 1018
1,2-Dichlorobenzene	ND		1	1.0	0.33	ug/L	11/22/2011 1018
1,3-Dichlorobenzene	ND		1	1.0	0.33	ug/L	11/22/2011 1018
1,4-Dichlorobenzene	ND		1	1.0	0.33	ug/L	11/22/2011 1018
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	11/22/2011 1018
1,1-Dichloroethane	ND		1	1.0	0.13	ug/L	11/22/2011 1018
trans-1,2-Dichloroethene	ND		1	1.0	0.21	ug/L	11/22/2011 1018
cis-1,2-Dichloroethene	ND		1	1.0	0.12	ug/L	11/22/2011 1018
1,1-Dichloroethene	ND		1	1.0	0.16	ug/L	11/22/2011 1018
1,2-Dichloropropane	ND		1	1.0	0.19	ug/L	11/22/2011 1018
trans-1,3-Dichloropropene	ND		1	1.0	0.11	ug/L	11/22/2011 1018
cis-1,3-Dichloropropene	ND		1	1.0	0.092	ug/L	11/22/2011 1018
Ethylbenzene	ND		1	1.0	0.33	ug/L	11/22/2011 1018
2-Hexanone	ND		1	10	0.27	ug/L	11/22/2011 1018
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	11/22/2011 1018
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	11/22/2011 1018
Methylene chloride	ND		1	1.0	0.33	ug/L	11/22/2011 1018
Styrene	ND		1	1.0	0.12	ug/L	11/22/2011 1018
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.16	ug/L	11/22/2011 1018
Tetrachloroethene	ND		1	1.0	0.13	ug/L	11/22/2011 1018
Toluene	ND		1	1.0	0.33	ug/L	11/22/2011 1018
1,2,4-Trichlorobenzene	ND		1	1.0	0.51	ug/L	11/22/2011 1018
1,1,2-Trichloroethane	ND		1	1.0	0.21	ug/L	11/22/2011 1018
1,1,1-Trichloroethane	ND		1	1.0	0.074	ug/L	11/22/2011 1018
Trichloroethene	ND		1	1.0	0.18	ug/L	11/22/2011 1018
Vinyl chloride	ND		1	1.0	0.054	ug/L	11/22/2011 1018
Xylenes (total)	ND		1	1.0	0.33	ug/L	11/22/2011 1018
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		98	70-130				
1,2-Dichloroethane-d4		93	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: MQ72277-002

Matrix: Aqueous

Batch: 72277

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	120	70-130	11/22/2011 0846
Benzene	50	51		1	102	70-130	11/22/2011 0846
Bromodichloromethane	50	51		1	101	70-130	11/22/2011 0846
Bromoform	50	40		1	81	70-130	11/22/2011 0846
Bromomethane (Methyl bromide)	50	51		1	102	60-140	11/22/2011 0846
2-Butanone (MEK)	100	94		1	94	60-140	11/22/2011 0846
Carbon disulfide	50	49		1	98	60-140	11/22/2011 0846
Carbon tetrachloride	50	51		1	102	70-130	11/22/2011 0846
Chlorobenzene	50	49		1	98	70-130	11/22/2011 0846
Chloroethane	50	51		1	102	42-163	11/22/2011 0846
Chloroform	50	50		1	101	70-130	11/22/2011 0846
Chloromethane (Methyl chloride)	50	52		1	104	70-130	11/22/2011 0846
Dibromochloromethane	50	49		1	98	70-130	11/22/2011 0846
1,2-Dichlorobenzene	50	49		1	98	70-130	11/22/2011 0846
1,3-Dichlorobenzene	50	50		1	99	70-130	11/22/2011 0846
1,4-Dichlorobenzene	50	49		1	99	70-130	11/22/2011 0846
1,2-Dichloroethane	50	49		1	97	70-130	11/22/2011 0846
1,1-Dichloroethane	50	48		1	96	70-130	11/22/2011 0846
trans-1,2-Dichloroethene	50	49		1	97	70-130	11/22/2011 0846
cis-1,2-Dichloroethene	50	50		1	100	70-130	11/22/2011 0846
1,1-Dichloroethene	50	49		1	97	70-130	11/22/2011 0846
1,2-Dichloropropane	50	50		1	100	70-130	11/22/2011 0846
trans-1,3-Dichloropropene	50	49		1	98	70-130	11/22/2011 0846
cis-1,3-Dichloropropene	50	51		1	103	70-130	11/22/2011 0846
Ethylbenzene	50	51		1	103	70-130	11/22/2011 0846
2-Hexanone	100	93		1	93	60-140	11/22/2011 0846
Methyl tertiary butyl ether (MTBE)	50	49		1	98	70-130	11/22/2011 0846
4-Methyl-2-pentanone	100	98		1	98	60-140	11/22/2011 0846
Methylene chloride	50	47		1	93	70-130	11/22/2011 0846
Styrene	50	53		1	107	70-130	11/22/2011 0846
1,1,2,2-Tetrachloroethane	50	49		1	97	60-140	11/22/2011 0846
Tetrachloroethene	50	49		1	98	70-130	11/22/2011 0846
Toluene	50	50		1	100	70-130	11/22/2011 0846
1,2,4-Trichlorobenzene	50	52		1	103	70-130	11/22/2011 0846
1,1,2-Trichloroethane	50	48		1	95	70-130	11/22/2011 0846
1,1,1-Trichloroethane	50	50		1	101	70-130	11/22/2011 0846
Trichloroethene	50	48		1	95	70-130	11/22/2011 0846
Vinyl chloride	50	43		1	86	70-130	11/22/2011 0846
Xylenes (total)	100	100		1	105	70-130	11/22/2011 0846
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		100	70-130				
1,2-Dichloroethane-d4		101	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: MQ72633-001

Matrix: Aqueous

Batch: 72633

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	11/28/2011 1757
Benzene	ND		1	1.0	0.13	ug/L	11/28/2011 1757
Bromodichloromethane	ND		1	1.0	0.33	ug/L	11/28/2011 1757
Bromoform	ND		1	1.0	0.66	ug/L	11/28/2011 1757
Bromomethane (Methyl bromide)	ND		1	2.0	0.80	ug/L	11/28/2011 1757
2-Butanone (MEK)	ND		1	10	2.0	ug/L	11/28/2011 1757
Carbon disulfide	ND		1	1.0	0.097	ug/L	11/28/2011 1757
Carbon tetrachloride	ND		1	1.0	0.14	ug/L	11/28/2011 1757
Chlorobenzene	ND		1	2.0	0.33	ug/L	11/28/2011 1757
Chloroethane	ND		1	2.0	0.47	ug/L	11/28/2011 1757
Chloroform	ND		1	1.0	0.33	ug/L	11/28/2011 1757
Chloromethane (Methyl chloride)	ND		1	1.0	0.35	ug/L	11/28/2011 1757
Dibromochloromethane	ND		1	1.0	0.33	ug/L	11/28/2011 1757
1,3-Dichlorobenzene	ND		1	1.0	0.33	ug/L	11/28/2011 1757
1,4-Dichlorobenzene	ND		1	1.0	0.33	ug/L	11/28/2011 1757
1,2-Dichlorobenzene	ND		1	1.0	0.33	ug/L	11/28/2011 1757
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	11/28/2011 1757
1,1-Dichloroethane	ND		1	1.0	0.13	ug/L	11/28/2011 1757
cis-1,2-Dichloroethene	ND		1	1.0	0.12	ug/L	11/28/2011 1757
trans-1,2-Dichloroethene	ND		1	1.0	0.21	ug/L	11/28/2011 1757
1,1-Dichloroethene	ND		1	1.0	0.16	ug/L	11/28/2011 1757
1,2-Dichloropropane	ND		1	1.0	0.19	ug/L	11/28/2011 1757
trans-1,3-Dichloropropene	ND		1	1.0	0.11	ug/L	11/28/2011 1757
cis-1,3-Dichloropropene	ND		1	1.0	0.092	ug/L	11/28/2011 1757
Ethylbenzene	ND		1	1.0	0.33	ug/L	11/28/2011 1757
2-Hexanone	ND		1	10	0.27	ug/L	11/28/2011 1757
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	11/28/2011 1757
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	11/28/2011 1757
Methylene chloride	ND		1	1.0	0.33	ug/L	11/28/2011 1757
Styrene	ND		1	1.0	0.12	ug/L	11/28/2011 1757
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.16	ug/L	11/28/2011 1757
Tetrachloroethene	ND		1	1.0	0.13	ug/L	11/28/2011 1757
Toluene	ND		1	1.0	0.33	ug/L	11/28/2011 1757
1,2,4-Trichlorobenzene	ND		1	1.0	0.51	ug/L	11/28/2011 1757
1,1,2-Trichloroethane	ND		1	1.0	0.21	ug/L	11/28/2011 1757
1,1,1-Trichloroethane	ND		1	1.0	0.074	ug/L	11/28/2011 1757
Trichloroethene	ND		1	1.0	0.18	ug/L	11/28/2011 1757
Vinyl chloride	ND		1	1.0	0.054	ug/L	11/28/2011 1757
Xylenes (total)	ND		1	1.0	0.33	ug/L	11/28/2011 1757
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		99	70-130				
1,2-Dichloroethane-d4		104	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 ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: MQ72633-002

Matrix: Aqueous

Batch: 72633

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	115	70-130	11/28/2011 1632
Benzene	50	49		1	97	70-130	11/28/2011 1632
Bromodichloromethane	50	51		1	103	70-130	11/28/2011 1632
Bromoform	50	54		1	109	70-130	11/28/2011 1632
Bromomethane (Methyl bromide)	50	52		1	104	60-140	11/28/2011 1632
2-Butanone (MEK)	100	94		1	94	60-140	11/28/2011 1632
Carbon disulfide	50	55		1	111	60-140	11/28/2011 1632
Carbon tetrachloride	50	48		1	96	70-130	11/28/2011 1632
Chlorobenzene	50	51		1	101	70-130	11/28/2011 1632
Chloroethane	50	50		1	100	42-163	11/28/2011 1632
Chloroform	50	48		1	97	70-130	11/28/2011 1632
Chloromethane (Methyl chloride)	50	55		1	109	70-130	11/28/2011 1632
Dibromochloromethane	50	52		1	104	70-130	11/28/2011 1632
1,3-Dichlorobenzene	50	51		1	101	70-130	11/28/2011 1632
1,4-Dichlorobenzene	50	49		1	99	70-130	11/28/2011 1632
1,2-Dichlorobenzene	50	50		1	100	70-130	11/28/2011 1632
1,2-Dichloroethane	50	50		1	100	70-130	11/28/2011 1632
1,1-Dichloroethane	50	49		1	97	70-130	11/28/2011 1632
cis-1,2-Dichloroethene	50	50		1	99	70-130	11/28/2011 1632
trans-1,2-Dichloroethene	50	49		1	98	70-130	11/28/2011 1632
1,1-Dichloroethene	50	49		1	98	70-130	11/28/2011 1632
1,2-Dichloropropane	50	50		1	100	70-130	11/28/2011 1632
trans-1,3-Dichloropropene	50	51		1	103	70-130	11/28/2011 1632
cis-1,3-Dichloropropene	50	53		1	107	70-130	11/28/2011 1632
Ethylbenzene	50	51		1	102	70-130	11/28/2011 1632
2-Hexanone	100	110		1	114	60-140	11/28/2011 1632
Methyl tertiary butyl ether (MTBE)	50	51		1	103	70-130	11/28/2011 1632
4-Methyl-2-pentanone	100	110		1	113	60-140	11/28/2011 1632
Methylene chloride	50	48		1	97	70-130	11/28/2011 1632
Styrene	50	53		1	106	70-130	11/28/2011 1632
1,1,2,2-Tetrachloroethane	50	52		1	104	60-140	11/28/2011 1632
Tetrachloroethene	50	52		1	105	70-130	11/28/2011 1632
Toluene	50	48		1	96	70-130	11/28/2011 1632
1,2,4-Trichlorobenzene	50	54		1	108	70-130	11/28/2011 1632
1,1,2-Trichloroethane	50	51		1	101	70-130	11/28/2011 1632
1,1,1-Trichloroethane	50	49		1	99	70-130	11/28/2011 1632
Trichloroethene	50	49		1	99	70-130	11/28/2011 1632
Vinyl chloride	50	47		1	95	70-130	11/28/2011 1632
Xylenes (total)	100	100		1	105	70-130	11/28/2011 1632
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		102	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 - LCSD

Sample ID: MQ72633-003

Matrix: Aqueous

Batch: 72633

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	117	1.5	70-130	20	11/28/2011 1653
Benzene	50	49		1	97	0.045	70-130	20	11/28/2011 1653
Bromodichloromethane	50	51		1	101	1.3	70-130	20	11/28/2011 1653
Bromoform	50	54		1	108	0.47	70-130	20	11/28/2011 1653
Bromomethane (Methyl bromide)	50	50		1	100	3.2	60-140	20	11/28/2011 1653
2-Butanone (MEK)	100	97		1	97	3.9	60-140	20	11/28/2011 1653
Carbon disulfide	50	54		1	108	3.0	60-140	20	11/28/2011 1653
Carbon tetrachloride	50	47		1	94	1.9	70-130	20	11/28/2011 1653
Chlorobenzene	50	51		1	102	0.51	70-130	20	11/28/2011 1653
Chloroethane	50	49		1	98	2.4	42-163	20	11/28/2011 1653
Chloroform	50	48		1	95	1.3	70-130	20	11/28/2011 1653
Chloromethane (Methyl chloride)	50	52		1	103	5.5	70-130	20	11/28/2011 1653
Dibromochloromethane	50	51		1	103	0.64	70-130	20	11/28/2011 1653
1,3-Dichlorobenzene	50	50		1	100	1.8	70-130	20	11/28/2011 1653
1,4-Dichlorobenzene	50	49		1	97	1.8	70-130	20	11/28/2011 1653
1,2-Dichlorobenzene	50	50		1	100	0.044	70-130	20	11/28/2011 1653
1,2-Dichloroethane	50	49		1	98	2.0	70-130	20	11/28/2011 1653
1,1-Dichloroethane	50	46		1	93	4.9	70-130	20	11/28/2011 1653
cis-1,2-Dichloroethene	50	48		1	96	3.6	70-130	20	11/28/2011 1653
trans-1,2-Dichloroethene	50	48		1	95	2.3	70-130	20	11/28/2011 1653
1,1-Dichloroethene	50	48		1	96	2.0	70-130	20	11/28/2011 1653
1,2-Dichloropropane	50	50		1	100	0.44	70-130	20	11/28/2011 1653
trans-1,3-Dichloropropene	50	53		1	107	3.8	70-130	20	11/28/2011 1653
cis-1,3-Dichloropropene	50	53		1	106	0.21	70-130	20	11/28/2011 1653
Ethylbenzene	50	51		1	102	0.59	70-130	20	11/28/2011 1653
2-Hexanone	100	110		1	115	0.62	60-140	20	11/28/2011 1653
Methyl tertiary butyl ether (MTBE)	50	50		1	101	2.0	70-130	20	11/28/2011 1653
4-Methyl-2-pentanone	100	110		1	114	0.91	60-140	20	11/28/2011 1653
Methylene chloride	50	47		1	94	2.6	70-130	20	11/28/2011 1653
Styrene	50	53		1	105	0.65	70-130	20	11/28/2011 1653
1,1,2,2-Tetrachloroethane	50	51		1	102	1.1	60-140	20	11/28/2011 1653
Tetrachloroethene	50	53		1	106	1.2	70-130	20	11/28/2011 1653
Toluene	50	49		1	98	1.6	70-130	20	11/28/2011 1653
1,2,4-Trichlorobenzene	50	54		1	108	0.074	70-130	20	11/28/2011 1653
1,1,2-Trichloroethane	50	52		1	103	2.3	70-130	20	11/28/2011 1653
1,1,1-Trichloroethane	50	49		1	97	1.5	70-130	20	11/28/2011 1653
Trichloroethene	50	49		1	99	0.37	70-130	20	11/28/2011 1653
Vinyl chloride	50	46		1	93	2.1	70-130	20	11/28/2011 1653
Xylenes (total)	100	100		1	102	2.2	70-130	20	11/28/2011 1653
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		102	70-130						
1,2-Dichloroethane-d4		99	70-130						
Toluene-d8		99	70-130						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

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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



ID#:

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 1 of 1

Lab Work Order #

Contact & Company Name: SCOTT BOSTIAN / ARCADIS		Telephone: 919.854.1282	
Address: 801 CORPORATE CENTER DRIVE #300		City: RALEIGH NC 27607	
State: NC		Zip: 27607	
Project Name/Location (City, State): HAA-17		Project #: GP08HAFS.HMC.DPCS R	
Site's Project Name: JOHN HANNA		Site's Signature: <i>John Hanna</i>	
Sample ID		Collection Date	Time
H17-AF-53 (11/18/11)	11/18/11	1315	✓
H17-AF-70 (11/18/11)	11/18/11	1225	✓
H17-AF-71 (11/18/11)	11/18/11	1135	✓
TRIP-BLANK (11/18/11)	11/18/11	—	—
TEMP-BLANK	—	—	—

Preservative: **B**
 Filtered (✓): **—**
 # of Containers: **3**
 Container Information: **1**

PARAMETER ANALYSIS & METHOD

Matrix Key:
 SE - Sediment
 SW - Sample Waste
 A - Air
 T - Tissue

Container Information Key:
 1. 40 ml Vial
 2. 1L Amber
 3. 250 ml Plastic
 4. 500 ml Plastic
 5. Erlenmeyer
 6. 2 oz. Glass
 7. 4 oz. Glass
 8. 8 oz. Glass
 9. Other:
 10. Other:

Matrix Key:
 SE - Sediment
 SW - Sample Waste
 A - Air
 T - Tissue

REMARKS

PLEASE COPY RESULTS OF TRIP-BLANK (11/18/11) ANALYSIS TO THE HAA-15 SAMPLE REPORT

THANKS

Signature: *John Hanna*

Special Instructions/Comments:

Special QA/QC Instructions (*):

Lab Name: **STEALY ENV.**

Lab Work Order #

Project Name: **JOHN HANNA**

Received By: **JOHN HANNA**

Relinquished By: **JOHN HANNA**

Signature: *John Hanna*

Date/Time: **11/18/2011 1515**

Signature: *John Hanna*

Date/Time: **11/19/11 0935**

Signature: *John Hanna*

Date/Time: **11/19/11 0935**

Signature: *John Hanna*

Date/Time: **11/19/11 0935**

Signature: *John Hanna*

Date/Time: **11/19/11 0935**

Signature: *John Hanna*

Date/Time: **11/19/11 0935**

Signature: *John Hanna*

Date/Time: **11/19/11 0935**

Signature: *John Hanna*

Date/Time: **11/19/11 0935**

Signature: *John Hanna*

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
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Replaces Date: 05/06/11
Effective Date: 10/11/11

Sample Receipt Checklist (SRC)

Client: Amcor Cooler Inspected by/date: 11/19/11 Lot #: MA19010

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>22</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 ☐	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 >"pca-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) _____ TKN/cyanide/BNA/pest/PCB/herb.		

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐

SESI employee: _____

Comments: _____

Sender's
name

11/19/11

Phone

770 425 7000

Company

Amcor

Address

1111 Cobb Dr Blvd - H-1111

City

Kennesaw

State

GA

ZIP

30144

Our Internal Billing Reference

Report of Analysis

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

Project Name: HAA-17

Project Number: GP08HAFS.H17C.DPCSR

Lot Number: MK19010

Date Completed: 12/06/2011



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.

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SHEALY ENVIRONMENTAL SERVICES, INC.

SC DHEC No: 32010

NELAC No: E87653

NC DENR No: 329

Case Narrative ARCADIS U.S., Inc. Lot Number: MK19010

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.

Report Revision 12/07/11

This report was revised to analyze sample -001 at a lower dilution, all runs are reported.

In the initial report, sample -002 had a 20X dilution that was inadvertently added by the analyst. The dilution has been corrected.

SHEALY ENVIRONMENTAL SERVICES, INC.

Sample Summary
ARCADIS U.S., Inc.
Lot Number: MK19010

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	H17-AF-53 (111811)	Aqueous	11/18/2011 1315	11/19/2011
002	H17-AF-70 (111811)	Aqueous	11/18/2011 1225	11/19/2011
003	H17-AF-71 (111811)	Aqueous	11/18/2011 1135	11/19/2011
004	TRIP_BLANK (111811)	Aqueous	11/18/2011	11/19/2011
(4 samples)				

SHEALY ENVIRONMENTAL SERVICES, INC.

Executive Summary ARCADIS U.S., Inc. Lot Number: MK19010

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	H17-AF-53 (111811)	Aqueous	cis-1,2-Dichloroethene	8260B	33		ug/L	5
001	H17-AF-53 (111811)	Aqueous	Trichloroethene	8260B	1200		ug/L	5
001	H17-AF-53 (111811)	Aqueous	Benzene	8260B	1.4	JH	ug/L	7
001	H17-AF-53 (111811)	Aqueous	cis-1,2-Dichloroethene	8260B	36	H	ug/L	7
001	H17-AF-53 (111811)	Aqueous	1,1-Dichloroethene	8260B	1.5	JH	ug/L	7
001	H17-AF-53 (111811)	Aqueous	Trichloroethene	8260B	1300	H	ug/L	7
002	H17-AF-70 (111811)	Aqueous	Trichloroethene	8260B	0.39	J	ug/L	9
003	H17-AF-71 (111811)	Aqueous	Benzene	8260B	0.21	J	ug/L	11
003	H17-AF-71 (111811)	Aqueous	trans-1,2-Dichloroethene	8260B	1.2		ug/L	11
003	H17-AF-71 (111811)	Aqueous	cis-1,2-Dichloroethene	8260B	20		ug/L	11
003	H17-AF-71 (111811)	Aqueous	1,1-Dichloroethene	8260B	0.19	J	ug/L	11
003	H17-AF-71 (111811)	Aqueous	Trichloroethene	8260B	4.8		ug/L	11
003	H17-AF-71 (111811)	Aqueous	Vinyl chloride	8260B	2.5		ug/L	11
004	TRIP_BLANK (111811)	Aqueous	cis-1,2-Dichloroethene	8260B	0.15	J	ug/L	13

(14 detections)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: MK19010-001			
Description: H17-AF-53 (111811)				Matrix: Aqueous			
Date Sampled: 11/18/2011 1315							
Date Received: 11/19/2011							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	20	11/28/2011 2216	LBS		72633
2	5030B	8260B	5	12/06/2011 1111	LBS		73098

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND*		400	130	ug/L	1
Benzene	71-43-2	8260B	ND*		20	2.6	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND*		20	6.6	ug/L	1
Bromoform	75-25-2	8260B	ND*		20	13	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND*		40	16	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND*		200	41	ug/L	1
Carbon disulfide	75-15-0	8260B	ND*		20	1.9	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND*		20	2.7	ug/L	1
Chlorobenzene	108-90-7	8260B	ND*		40	6.6	ug/L	1
Chloroethane	75-00-3	8260B	ND*		40	9.4	ug/L	1
Chloroform	67-66-3	8260B	ND*		20	6.6	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND*		20	7.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND*		20	6.6	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND*		20	6.6	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND*		20	6.6	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND*		20	6.6	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND*		20	2.9	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND*		20	2.6	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND*		20	4.1	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	33*		20	2.4	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND*		20	3.2	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND*		20	3.8	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND*		20	2.1	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND*		20	1.8	ug/L	1
Ethylbenzene	100-41-4	8260B	ND*		20	6.6	ug/L	1
2-Hexanone	591-78-6	8260B	ND*		200	5.5	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND*		20	8.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND*		200	6.2	ug/L	1
Methylene chloride	75-09-2	8260B	ND*		20	6.6	ug/L	1
Styrene	100-42-5	8260B	ND*		20	2.4	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND*		20	3.3	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND*		20	2.6	ug/L	1
Toluene	108-88-3	8260B	ND*		20	6.6	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND*		20	10	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND*		20	4.2	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND*		20	1.5	ug/L	1
Trichloroethene	79-01-6	8260B	1200*		20	3.6	ug/L	1
Vinyl chloride	75-01-4	8260B	ND*		20	1.1	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND*		20	6.6	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: MK19010-001
Description: H17-AF-53 (111811)	Matrix: Aqueous
Date Sampled: 11/18/2011 1315	
Date Received: 11/19/2011	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130	H	115	70-130
Bromofluorobenzene		98	70-130	H	96	70-130
Toluene-d8		98	70-130	H	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

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

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Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: MK19010-001			
Description: H17-AF-53 (111811)				Matrix: Aqueous			
Date Sampled: 11/18/2011 1315							
Date Received: 11/19/2011							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	20	11/28/2011 2216	LBS		72633
2	5030B	8260B	5	12/06/2011 1111	LBS		73098

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND	H	100	34	ug/L	2
Benzene	71-43-2	8260B	1.4	JH	5.0	0.66	ug/L	2
Bromodichloromethane	75-27-4	8260B	ND	H	5.0	1.7	ug/L	2
Bromoform	75-25-2	8260B	ND	H	5.0	3.3	ug/L	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND	H	10	4.0	ug/L	2
2-Butanone (MEK)	78-93-3	8260B	ND	H	50	10	ug/L	2
Carbon disulfide	75-15-0	8260B	ND	H	5.0	0.49	ug/L	2
Carbon tetrachloride	56-23-5	8260B	ND	H	5.0	0.69	ug/L	2
Chlorobenzene	108-90-7	8260B	ND	H	10	1.7	ug/L	2
Chloroethane	75-00-3	8260B	ND	H	10	2.4	ug/L	2
Chloroform	67-66-3	8260B	ND	H	5.0	1.7	ug/L	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND	H	5.0	1.8	ug/L	2
Dibromochloromethane	124-48-1	8260B	ND	H	5.0	1.7	ug/L	2
1,4-Dichlorobenzene	106-46-7	8260B	ND	H	5.0	1.7	ug/L	2
1,3-Dichlorobenzene	541-73-1	8260B	ND	H	5.0	1.7	ug/L	2
1,2-Dichlorobenzene	95-50-1	8260B	ND	H	5.0	1.7	ug/L	2
1,2-Dichloroethane	107-06-2	8260B	ND	H	5.0	0.74	ug/L	2
1,1-Dichloroethane	75-34-3	8260B	ND	H	5.0	0.64	ug/L	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND	H	5.0	1.0	ug/L	2
cis-1,2-Dichloroethene	156-59-2	8260B	36	H	5.0	0.61	ug/L	2
1,1-Dichloroethene	75-35-4	8260B	1.5	JH	5.0	0.79	ug/L	2
1,2-Dichloropropane	78-87-5	8260B	ND	H	5.0	0.95	ug/L	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND	H	5.0	0.53	ug/L	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND	H	5.0	0.46	ug/L	2
Ethylbenzene	100-41-4	8260B	ND	H	5.0	1.7	ug/L	2
2-Hexanone	591-78-6	8260B	ND	H	50	1.4	ug/L	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND	H	5.0	2.0	ug/L	2
4-Methyl-2-pentanone	108-10-1	8260B	ND	H	50	1.6	ug/L	2
Methylene chloride	75-09-2	8260B	ND	H	5.0	1.7	ug/L	2
Styrene	100-42-5	8260B	ND	H	5.0	0.61	ug/L	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND	H	5.0	0.82	ug/L	2
Tetrachloroethene	127-18-4	8260B	ND	H	5.0	0.66	ug/L	2
Toluene	108-88-3	8260B	ND	H	5.0	1.7	ug/L	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND	H	5.0	2.6	ug/L	2
1,1,2-Trichloroethane	79-00-5	8260B	ND	H	5.0	1.1	ug/L	2
1,1,1-Trichloroethane	71-55-6	8260B	ND	H	5.0	0.37	ug/L	2
Trichloroethene	79-01-6	8260B	1300	H	5.0	0.90	ug/L	2
Vinyl chloride	75-01-4	8260B	ND	H	5.0	0.27	ug/L	2
Xylenes (total)	1330-20-7	8260B	ND	H	5.0	1.7	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"		* = Reportable result (only when report all runs)	

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.	Laboratory ID: MK19010-001
Description: H17-AF-53 (111811)	Matrix: Aqueous
Date Sampled: 11/18/2011 1315	
Date Received: 11/19/2011	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130	H	115	70-130
Bromofluorobenzene		98	70-130	H	96	70-130
Toluene-d8		98	70-130	H	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)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: MK19010-002			
Description: H17-AF-70 (111811)				Matrix: Aqueous			
Date Sampled: 11/18/2011 1225							
Date Received: 11/19/2011							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	11/28/2011 2134	LBS		72633		

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	0.39	J	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

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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: MK19010-002
Description: H17-AF-70 (111811)	Matrix: Aqueous
Date Sampled: 11/18/2011 1225	
Date Received: 11/19/2011	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		97	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: MK19010-003			
Description: H17-AF-71 (111811)				Matrix: Aqueous			
Date Sampled: 11/18/2011 1135							
Date Received: 11/19/2011							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	11/28/2011 2155	LBS		72633		

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	0.21	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	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	1.2		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	20		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	0.19	J	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	4.8		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	2.5		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: MK19010-003
Description: H17-AF-71 (111811)	Matrix: Aqueous
Date Sampled: 11/18/2011 1135	
Date Received: 11/19/2011	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	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: MK19010-004			
Description: TRIP_BLANK (111811)				Matrix: Aqueous			
Date Sampled: 11/18/2011							
Date Received: 11/19/2011							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	11/22/2011 1628	BM		72277		

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	0.15	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: MK19010-004
Description: TRIP_BLANK (111811)	Matrix: Aqueous
Date Sampled: 11/18/2011	
Date Received: 11/19/2011	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		98	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)

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ72277-001

Matrix: Aqueous

Batch: 72277

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	11/22/2011 1018
Benzene	ND		1	1.0	0.13	ug/L	11/22/2011 1018
Bromodichloromethane	ND		1	1.0	0.33	ug/L	11/22/2011 1018
Bromoform	ND		1	1.0	0.66	ug/L	11/22/2011 1018
Bromomethane (Methyl bromide)	ND		1	2.0	0.80	ug/L	11/22/2011 1018
2-Butanone (MEK)	ND		1	10	2.0	ug/L	11/22/2011 1018
Carbon disulfide	ND		1	1.0	0.097	ug/L	11/22/2011 1018
Carbon tetrachloride	ND		1	1.0	0.14	ug/L	11/22/2011 1018
Chlorobenzene	ND		1	2.0	0.33	ug/L	11/22/2011 1018
Chloroethane	ND		1	2.0	0.47	ug/L	11/22/2011 1018
Chloroform	ND		1	1.0	0.33	ug/L	11/22/2011 1018
Chloromethane (Methyl chloride)	ND		1	1.0	0.35	ug/L	11/22/2011 1018
Dibromochloromethane	ND		1	1.0	0.33	ug/L	11/22/2011 1018
1,2-Dichlorobenzene	ND		1	1.0	0.33	ug/L	11/22/2011 1018
1,3-Dichlorobenzene	ND		1	1.0	0.33	ug/L	11/22/2011 1018
1,4-Dichlorobenzene	ND		1	1.0	0.33	ug/L	11/22/2011 1018
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	11/22/2011 1018
1,1-Dichloroethane	ND		1	1.0	0.13	ug/L	11/22/2011 1018
trans-1,2-Dichloroethene	ND		1	1.0	0.21	ug/L	11/22/2011 1018
cis-1,2-Dichloroethene	ND		1	1.0	0.12	ug/L	11/22/2011 1018
1,1-Dichloroethene	ND		1	1.0	0.16	ug/L	11/22/2011 1018
1,2-Dichloropropane	ND		1	1.0	0.19	ug/L	11/22/2011 1018
trans-1,3-Dichloropropene	ND		1	1.0	0.11	ug/L	11/22/2011 1018
cis-1,3-Dichloropropene	ND		1	1.0	0.092	ug/L	11/22/2011 1018
Ethylbenzene	ND		1	1.0	0.33	ug/L	11/22/2011 1018
2-Hexanone	ND		1	10	0.27	ug/L	11/22/2011 1018
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	11/22/2011 1018
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	11/22/2011 1018
Methylene chloride	ND		1	1.0	0.33	ug/L	11/22/2011 1018
Styrene	ND		1	1.0	0.12	ug/L	11/22/2011 1018
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.16	ug/L	11/22/2011 1018
Tetrachloroethene	ND		1	1.0	0.13	ug/L	11/22/2011 1018
Toluene	ND		1	1.0	0.33	ug/L	11/22/2011 1018
1,2,4-Trichlorobenzene	ND		1	1.0	0.51	ug/L	11/22/2011 1018
1,1,2-Trichloroethane	ND		1	1.0	0.21	ug/L	11/22/2011 1018
1,1,1-Trichloroethane	ND		1	1.0	0.074	ug/L	11/22/2011 1018
Trichloroethene	ND		1	1.0	0.18	ug/L	11/22/2011 1018
Vinyl chloride	ND		1	1.0	0.054	ug/L	11/22/2011 1018
Xylenes (total)	ND		1	1.0	0.33	ug/L	11/22/2011 1018
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		98	70-130				
1,2-Dichloroethane-d4		93	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: MQ72277-002

Matrix: Aqueous

Batch: 72277

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	120	70-130	11/22/2011 0846
Benzene	50	51		1	102	70-130	11/22/2011 0846
Bromodichloromethane	50	51		1	101	70-130	11/22/2011 0846
Bromoform	50	40		1	81	70-130	11/22/2011 0846
Bromomethane (Methyl bromide)	50	51		1	102	60-140	11/22/2011 0846
2-Butanone (MEK)	100	94		1	94	60-140	11/22/2011 0846
Carbon disulfide	50	49		1	98	60-140	11/22/2011 0846
Carbon tetrachloride	50	51		1	102	70-130	11/22/2011 0846
Chlorobenzene	50	49		1	98	70-130	11/22/2011 0846
Chloroethane	50	51		1	102	42-163	11/22/2011 0846
Chloroform	50	50		1	101	70-130	11/22/2011 0846
Chloromethane (Methyl chloride)	50	52		1	104	70-130	11/22/2011 0846
Dibromochloromethane	50	49		1	98	70-130	11/22/2011 0846
1,2-Dichlorobenzene	50	49		1	98	70-130	11/22/2011 0846
1,3-Dichlorobenzene	50	50		1	99	70-130	11/22/2011 0846
1,4-Dichlorobenzene	50	49		1	99	70-130	11/22/2011 0846
1,2-Dichloroethane	50	49		1	97	70-130	11/22/2011 0846
1,1-Dichloroethane	50	48		1	96	70-130	11/22/2011 0846
trans-1,2-Dichloroethene	50	49		1	97	70-130	11/22/2011 0846
cis-1,2-Dichloroethene	50	50		1	100	70-130	11/22/2011 0846
1,1-Dichloroethene	50	49		1	97	70-130	11/22/2011 0846
1,2-Dichloropropane	50	50		1	100	70-130	11/22/2011 0846
trans-1,3-Dichloropropene	50	49		1	98	70-130	11/22/2011 0846
cis-1,3-Dichloropropene	50	51		1	103	70-130	11/22/2011 0846
Ethylbenzene	50	51		1	103	70-130	11/22/2011 0846
2-Hexanone	100	93		1	93	60-140	11/22/2011 0846
Methyl tertiary butyl ether (MTBE)	50	49		1	98	70-130	11/22/2011 0846
4-Methyl-2-pentanone	100	98		1	98	60-140	11/22/2011 0846
Methylene chloride	50	47		1	93	70-130	11/22/2011 0846
Styrene	50	53		1	107	70-130	11/22/2011 0846
1,1,2,2-Tetrachloroethane	50	49		1	97	60-140	11/22/2011 0846
Tetrachloroethene	50	49		1	98	70-130	11/22/2011 0846
Toluene	50	50		1	100	70-130	11/22/2011 0846
1,2,4-Trichlorobenzene	50	52		1	103	70-130	11/22/2011 0846
1,1,2-Trichloroethane	50	48		1	95	70-130	11/22/2011 0846
1,1,1-Trichloroethane	50	50		1	101	70-130	11/22/2011 0846
Trichloroethene	50	48		1	95	70-130	11/22/2011 0846
Vinyl chloride	50	43		1	86	70-130	11/22/2011 0846
Xylenes (total)	100	100		1	105	70-130	11/22/2011 0846
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		100	70-130				
1,2-Dichloroethane-d4		101	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 ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: MQ72633-001

Matrix: Aqueous

Batch: 72633

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	11/28/2011 1757
Benzene	ND		1	1.0	0.13	ug/L	11/28/2011 1757
Bromodichloromethane	ND		1	1.0	0.33	ug/L	11/28/2011 1757
Bromoform	ND		1	1.0	0.66	ug/L	11/28/2011 1757
Bromomethane (Methyl bromide)	ND		1	2.0	0.80	ug/L	11/28/2011 1757
2-Butanone (MEK)	ND		1	10	2.0	ug/L	11/28/2011 1757
Carbon disulfide	ND		1	1.0	0.097	ug/L	11/28/2011 1757
Carbon tetrachloride	ND		1	1.0	0.14	ug/L	11/28/2011 1757
Chlorobenzene	ND		1	2.0	0.33	ug/L	11/28/2011 1757
Chloroethane	ND		1	2.0	0.47	ug/L	11/28/2011 1757
Chloroform	ND		1	1.0	0.33	ug/L	11/28/2011 1757
Chloromethane (Methyl chloride)	ND		1	1.0	0.35	ug/L	11/28/2011 1757
Dibromochloromethane	ND		1	1.0	0.33	ug/L	11/28/2011 1757
1,3-Dichlorobenzene	ND		1	1.0	0.33	ug/L	11/28/2011 1757
1,4-Dichlorobenzene	ND		1	1.0	0.33	ug/L	11/28/2011 1757
1,2-Dichlorobenzene	ND		1	1.0	0.33	ug/L	11/28/2011 1757
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	11/28/2011 1757
1,1-Dichloroethane	ND		1	1.0	0.13	ug/L	11/28/2011 1757
cis-1,2-Dichloroethene	ND		1	1.0	0.12	ug/L	11/28/2011 1757
trans-1,2-Dichloroethene	ND		1	1.0	0.21	ug/L	11/28/2011 1757
1,1-Dichloroethene	ND		1	1.0	0.16	ug/L	11/28/2011 1757
1,2-Dichloropropane	ND		1	1.0	0.19	ug/L	11/28/2011 1757
trans-1,3-Dichloropropene	ND		1	1.0	0.11	ug/L	11/28/2011 1757
cis-1,3-Dichloropropene	ND		1	1.0	0.092	ug/L	11/28/2011 1757
Ethylbenzene	ND		1	1.0	0.33	ug/L	11/28/2011 1757
2-Hexanone	ND		1	10	0.27	ug/L	11/28/2011 1757
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	11/28/2011 1757
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	11/28/2011 1757
Methylene chloride	ND		1	1.0	0.33	ug/L	11/28/2011 1757
Styrene	ND		1	1.0	0.12	ug/L	11/28/2011 1757
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.16	ug/L	11/28/2011 1757
Tetrachloroethene	ND		1	1.0	0.13	ug/L	11/28/2011 1757
Toluene	ND		1	1.0	0.33	ug/L	11/28/2011 1757
1,2,4-Trichlorobenzene	ND		1	1.0	0.51	ug/L	11/28/2011 1757
1,1,2-Trichloroethane	ND		1	1.0	0.21	ug/L	11/28/2011 1757
1,1,1-Trichloroethane	ND		1	1.0	0.074	ug/L	11/28/2011 1757
Trichloroethene	ND		1	1.0	0.18	ug/L	11/28/2011 1757
Vinyl chloride	ND		1	1.0	0.054	ug/L	11/28/2011 1757
Xylenes (total)	ND		1	1.0	0.33	ug/L	11/28/2011 1757
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		99	70-130				
1,2-Dichloroethane-d4		104	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 ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: MQ72633-002

Matrix: Aqueous

Batch: 72633

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	115	70-130	11/28/2011 1632
Benzene	50	49		1	97	70-130	11/28/2011 1632
Bromodichloromethane	50	51		1	103	70-130	11/28/2011 1632
Bromoform	50	54		1	109	70-130	11/28/2011 1632
Bromomethane (Methyl bromide)	50	52		1	104	60-140	11/28/2011 1632
2-Butanone (MEK)	100	94		1	94	60-140	11/28/2011 1632
Carbon disulfide	50	55		1	111	60-140	11/28/2011 1632
Carbon tetrachloride	50	48		1	96	70-130	11/28/2011 1632
Chlorobenzene	50	51		1	101	70-130	11/28/2011 1632
Chloroethane	50	50		1	100	42-163	11/28/2011 1632
Chloroform	50	48		1	97	70-130	11/28/2011 1632
Chloromethane (Methyl chloride)	50	55		1	109	70-130	11/28/2011 1632
Dibromochloromethane	50	52		1	104	70-130	11/28/2011 1632
1,3-Dichlorobenzene	50	51		1	101	70-130	11/28/2011 1632
1,4-Dichlorobenzene	50	49		1	99	70-130	11/28/2011 1632
1,2-Dichlorobenzene	50	50		1	100	70-130	11/28/2011 1632
1,2-Dichloroethane	50	50		1	100	70-130	11/28/2011 1632
1,1-Dichloroethane	50	49		1	97	70-130	11/28/2011 1632
cis-1,2-Dichloroethene	50	50		1	99	70-130	11/28/2011 1632
trans-1,2-Dichloroethene	50	49		1	98	70-130	11/28/2011 1632
1,1-Dichloroethene	50	49		1	98	70-130	11/28/2011 1632
1,2-Dichloropropane	50	50		1	100	70-130	11/28/2011 1632
trans-1,3-Dichloropropene	50	51		1	103	70-130	11/28/2011 1632
cis-1,3-Dichloropropene	50	53		1	107	70-130	11/28/2011 1632
Ethylbenzene	50	51		1	102	70-130	11/28/2011 1632
2-Hexanone	100	110		1	114	60-140	11/28/2011 1632
Methyl tertiary butyl ether (MTBE)	50	51		1	103	70-130	11/28/2011 1632
4-Methyl-2-pentanone	100	110		1	113	60-140	11/28/2011 1632
Methylene chloride	50	48		1	97	70-130	11/28/2011 1632
Styrene	50	53		1	106	70-130	11/28/2011 1632
1,1,2,2-Tetrachloroethane	50	52		1	104	60-140	11/28/2011 1632
Tetrachloroethene	50	52		1	105	70-130	11/28/2011 1632
Toluene	50	48		1	96	70-130	11/28/2011 1632
1,2,4-Trichlorobenzene	50	54		1	108	70-130	11/28/2011 1632
1,1,2-Trichloroethane	50	51		1	101	70-130	11/28/2011 1632
1,1,1-Trichloroethane	50	49		1	99	70-130	11/28/2011 1632
Trichloroethene	50	49		1	99	70-130	11/28/2011 1632
Vinyl chloride	50	47		1	95	70-130	11/28/2011 1632
Xylenes (total)	100	100		1	105	70-130	11/28/2011 1632
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		102	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 - LCSD

Sample ID: MQ72633-003

Matrix: Aqueous

Batch: 72633

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	117	1.5	70-130	20	11/28/2011 1653
Benzene	50	49		1	97	0.045	70-130	20	11/28/2011 1653
Bromodichloromethane	50	51		1	101	1.3	70-130	20	11/28/2011 1653
Bromoform	50	54		1	108	0.47	70-130	20	11/28/2011 1653
Bromomethane (Methyl bromide)	50	50		1	100	3.2	60-140	20	11/28/2011 1653
2-Butanone (MEK)	100	97		1	97	3.9	60-140	20	11/28/2011 1653
Carbon disulfide	50	54		1	108	3.0	60-140	20	11/28/2011 1653
Carbon tetrachloride	50	47		1	94	1.9	70-130	20	11/28/2011 1653
Chlorobenzene	50	51		1	102	0.51	70-130	20	11/28/2011 1653
Chloroethane	50	49		1	98	2.4	42-163	20	11/28/2011 1653
Chloroform	50	48		1	95	1.3	70-130	20	11/28/2011 1653
Chloromethane (Methyl chloride)	50	52		1	103	5.5	70-130	20	11/28/2011 1653
Dibromochloromethane	50	51		1	103	0.64	70-130	20	11/28/2011 1653
1,3-Dichlorobenzene	50	50		1	100	1.8	70-130	20	11/28/2011 1653
1,4-Dichlorobenzene	50	49		1	97	1.8	70-130	20	11/28/2011 1653
1,2-Dichlorobenzene	50	50		1	100	0.044	70-130	20	11/28/2011 1653
1,2-Dichloroethane	50	49		1	98	2.0	70-130	20	11/28/2011 1653
1,1-Dichloroethane	50	46		1	93	4.9	70-130	20	11/28/2011 1653
cis-1,2-Dichloroethene	50	48		1	96	3.6	70-130	20	11/28/2011 1653
trans-1,2-Dichloroethene	50	48		1	95	2.3	70-130	20	11/28/2011 1653
1,1-Dichloroethene	50	48		1	96	2.0	70-130	20	11/28/2011 1653
1,2-Dichloropropane	50	50		1	100	0.44	70-130	20	11/28/2011 1653
trans-1,3-Dichloropropene	50	53		1	107	3.8	70-130	20	11/28/2011 1653
cis-1,3-Dichloropropene	50	53		1	106	0.21	70-130	20	11/28/2011 1653
Ethylbenzene	50	51		1	102	0.59	70-130	20	11/28/2011 1653
2-Hexanone	100	110		1	115	0.62	60-140	20	11/28/2011 1653
Methyl tertiary butyl ether (MTBE)	50	50		1	101	2.0	70-130	20	11/28/2011 1653
4-Methyl-2-pentanone	100	110		1	114	0.91	60-140	20	11/28/2011 1653
Methylene chloride	50	47		1	94	2.6	70-130	20	11/28/2011 1653
Styrene	50	53		1	105	0.65	70-130	20	11/28/2011 1653
1,1,2,2-Tetrachloroethane	50	51		1	102	1.1	60-140	20	11/28/2011 1653
Tetrachloroethene	50	53		1	106	1.2	70-130	20	11/28/2011 1653
Toluene	50	49		1	98	1.6	70-130	20	11/28/2011 1653
1,2,4-Trichlorobenzene	50	54		1	108	0.074	70-130	20	11/28/2011 1653
1,1,2-Trichloroethane	50	52		1	103	2.3	70-130	20	11/28/2011 1653
1,1,1-Trichloroethane	50	49		1	97	1.5	70-130	20	11/28/2011 1653
Trichloroethene	50	49		1	99	0.37	70-130	20	11/28/2011 1653
Vinyl chloride	50	46		1	93	2.1	70-130	20	11/28/2011 1653
Xylenes (total)	100	100		1	102	2.2	70-130	20	11/28/2011 1653
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		102	70-130						
1,2-Dichloroethane-d4		99	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 - MB

Sample ID: MQ73098-001

Matrix: Aqueous

Batch: 73098

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	12/06/2011 0842
Benzene	ND		1	1.0	0.13	ug/L	12/06/2011 0842
Bromodichloromethane	ND		1	1.0	0.33	ug/L	12/06/2011 0842
Bromoform	ND		1	1.0	0.66	ug/L	12/06/2011 0842
Bromomethane (Methyl bromide)	ND		1	2.0	0.80	ug/L	12/06/2011 0842
2-Butanone (MEK)	ND		1	10	2.0	ug/L	12/06/2011 0842
Carbon disulfide	ND		1	1.0	0.097	ug/L	12/06/2011 0842
Carbon tetrachloride	ND		1	1.0	0.14	ug/L	12/06/2011 0842
Chlorobenzene	ND		1	2.0	0.33	ug/L	12/06/2011 0842
Chloroethane	ND		1	2.0	0.47	ug/L	12/06/2011 0842
Chloroform	ND		1	1.0	0.33	ug/L	12/06/2011 0842
Chloromethane (Methyl chloride)	ND		1	1.0	0.35	ug/L	12/06/2011 0842
Dibromochloromethane	ND		1	1.0	0.33	ug/L	12/06/2011 0842
1,3-Dichlorobenzene	ND		1	1.0	0.33	ug/L	12/06/2011 0842
1,4-Dichlorobenzene	ND		1	1.0	0.33	ug/L	12/06/2011 0842
1,2-Dichlorobenzene	ND		1	1.0	0.33	ug/L	12/06/2011 0842
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	12/06/2011 0842
1,1-Dichloroethane	ND		1	1.0	0.13	ug/L	12/06/2011 0842
cis-1,2-Dichloroethene	ND		1	1.0	0.12	ug/L	12/06/2011 0842
trans-1,2-Dichloroethene	ND		1	1.0	0.21	ug/L	12/06/2011 0842
1,1-Dichloroethene	ND		1	1.0	0.16	ug/L	12/06/2011 0842
1,2-Dichloropropane	ND		1	1.0	0.19	ug/L	12/06/2011 0842
trans-1,3-Dichloropropene	ND		1	1.0	0.11	ug/L	12/06/2011 0842
cis-1,3-Dichloropropene	ND		1	1.0	0.092	ug/L	12/06/2011 0842
Ethylbenzene	ND		1	1.0	0.33	ug/L	12/06/2011 0842
2-Hexanone	0.37	J	1	10	0.27	ug/L	12/06/2011 0842
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	12/06/2011 0842
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	12/06/2011 0842
Methylene chloride	ND		1	1.0	0.33	ug/L	12/06/2011 0842
Styrene	ND		1	1.0	0.12	ug/L	12/06/2011 0842
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.16	ug/L	12/06/2011 0842
Tetrachloroethene	ND		1	1.0	0.13	ug/L	12/06/2011 0842
Toluene	ND		1	1.0	0.33	ug/L	12/06/2011 0842
1,2,4-Trichlorobenzene	ND		1	1.0	0.51	ug/L	12/06/2011 0842
1,1,2-Trichloroethane	ND		1	1.0	0.21	ug/L	12/06/2011 0842
1,1,1-Trichloroethane	ND		1	1.0	0.074	ug/L	12/06/2011 0842
Trichloroethene	ND		1	1.0	0.18	ug/L	12/06/2011 0842
Vinyl chloride	ND		1	1.0	0.054	ug/L	12/06/2011 0842
Xylenes (total)	ND		1	1.0	0.33	ug/L	12/06/2011 0842
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		100	70-130				
1,2-Dichloroethane-d4		121	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 - LCS

Sample ID: MQ73098-002

Matrix: Aqueous

Batch: 73098

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	70-130	12/06/2011 0713
Benzene	50	46		1	91	70-130	12/06/2011 0713
Bromodichloromethane	50	52		1	104	70-130	12/06/2011 0713
Bromoform	50	49		1	99	70-130	12/06/2011 0713
Bromomethane (Methyl bromide)	50	54		1	109	60-140	12/06/2011 0713
2-Butanone (MEK)	100	100		1	101	60-140	12/06/2011 0713
Carbon disulfide	50	47		1	94	60-140	12/06/2011 0713
Carbon tetrachloride	50	53		1	106	70-130	12/06/2011 0713
Chlorobenzene	50	48		1	95	70-130	12/06/2011 0713
Chloroethane	50	47		1	94	42-163	12/06/2011 0713
Chloroform	50	51		1	102	70-130	12/06/2011 0713
Chloromethane (Methyl chloride)	50	48		1	96	70-130	12/06/2011 0713
Dibromochloromethane	50	54		1	108	70-130	12/06/2011 0713
1,3-Dichlorobenzene	50	48		1	97	70-130	12/06/2011 0713
1,4-Dichlorobenzene	50	47		1	94	70-130	12/06/2011 0713
1,2-Dichlorobenzene	50	49		1	97	70-130	12/06/2011 0713
1,2-Dichloroethane	50	52		1	104	70-130	12/06/2011 0713
1,1-Dichloroethane	50	47		1	95	70-130	12/06/2011 0713
cis-1,2-Dichloroethene	50	51		1	102	70-130	12/06/2011 0713
trans-1,2-Dichloroethene	50	49		1	99	70-130	12/06/2011 0713
1,1-Dichloroethene	50	47		1	93	70-130	12/06/2011 0713
1,2-Dichloropropane	50	48		1	96	70-130	12/06/2011 0713
trans-1,3-Dichloropropene	50	49		1	98	70-130	12/06/2011 0713
cis-1,3-Dichloropropene	50	55		1	110	70-130	12/06/2011 0713
Ethylbenzene	50	50		1	100	70-130	12/06/2011 0713
2-Hexanone	100	100		1	105	60-140	12/06/2011 0713
Methyl tertiary butyl ether (MTBE)	50	52		1	103	70-130	12/06/2011 0713
4-Methyl-2-pentanone	100	110		1	110	60-140	12/06/2011 0713
Methylene chloride	50	47		1	95	70-130	12/06/2011 0713
Styrene	50	55		1	109	70-130	12/06/2011 0713
1,1,2,2-Tetrachloroethane	50	48		1	96	60-140	12/06/2011 0713
Tetrachloroethene	50	47		1	94	70-130	12/06/2011 0713
Toluene	50	48		1	96	70-130	12/06/2011 0713
1,2,4-Trichlorobenzene	50	50		1	100	70-130	12/06/2011 0713
1,1,2-Trichloroethane	50	45		1	91	70-130	12/06/2011 0713
1,1,1-Trichloroethane	50	50		1	100	70-130	12/06/2011 0713
Trichloroethene	50	49		1	98	70-130	12/06/2011 0713
Vinyl chloride	50	46		1	92	70-130	12/06/2011 0713
Xylenes (total)	100	100		1	103	70-130	12/06/2011 0713
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		103	70-130				
1,2-Dichloroethane-d4		116	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 $\geq$ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported 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: MQ73098-003

Matrix: Aqueous

Batch: 73098

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	98		1	98	6.1	70-130	20	12/06/2011 0735
Benzene	50	45		1	90	1.3	70-130	20	12/06/2011 0735
Bromodichloromethane	50	51		1	102	1.8	70-130	20	12/06/2011 0735
Bromoform	50	48		1	96	3.0	70-130	20	12/06/2011 0735
Bromomethane (Methyl bromide)	50	49		1	97	11	60-140	20	12/06/2011 0735
2-Butanone (MEK)	100	98		1	98	3.9	60-140	20	12/06/2011 0735
Carbon disulfide	50	43		1	87	7.9	60-140	20	12/06/2011 0735
Carbon tetrachloride	50	51		1	102	3.8	70-130	20	12/06/2011 0735
Chlorobenzene	50	48		1	95	0.090	70-130	20	12/06/2011 0735
Chloroethane	50	45		1	89	5.1	42-163	20	12/06/2011 0735
Chloroform	50	49		1	98	4.4	70-130	20	12/06/2011 0735
Chloromethane (Methyl chloride)	50	45		1	91	5.9	70-130	20	12/06/2011 0735
Dibromochloromethane	50	53		1	106	1.8	70-130	20	12/06/2011 0735
1,3-Dichlorobenzene	50	51		1	101	4.5	70-130	20	12/06/2011 0735
1,4-Dichlorobenzene	50	49		1	98	3.8	70-130	20	12/06/2011 0735
1,2-Dichlorobenzene	50	49		1	97	0.062	70-130	20	12/06/2011 0735
1,2-Dichloroethane	50	50		1	100	3.7	70-130	20	12/06/2011 0735
1,1-Dichloroethane	50	45		1	91	4.5	70-130	20	12/06/2011 0735
cis-1,2-Dichloroethene	50	48		1	96	5.7	70-130	20	12/06/2011 0735
trans-1,2-Dichloroethene	50	47		1	93	5.7	70-130	20	12/06/2011 0735
1,1-Dichloroethene	50	44		1	88	6.4	70-130	20	12/06/2011 0735
1,2-Dichloropropane	50	48		1	96	0.16	70-130	20	12/06/2011 0735
trans-1,3-Dichloropropene	50	49		1	98	0.67	70-130	20	12/06/2011 0735
cis-1,3-Dichloropropene	50	54		1	109	0.91	70-130	20	12/06/2011 0735
Ethylbenzene	50	51		1	101	0.97	70-130	20	12/06/2011 0735
2-Hexanone	100	110		1	106	1.5	60-140	20	12/06/2011 0735
Methyl tertiary butyl ether (MTBE)	50	50		1	99	3.6	70-130	20	12/06/2011 0735
4-Methyl-2-pentanone	100	110		1	110	0.21	60-140	20	12/06/2011 0735
Methylene chloride	50	44		1	89	6.7	70-130	20	12/06/2011 0735
Styrene	50	54		1	108	1.6	70-130	20	12/06/2011 0735
1,1,2,2-Tetrachloroethane	50	49		1	98	2.3	60-140	20	12/06/2011 0735
Tetrachloroethene	50	47		1	95	1.0	70-130	20	12/06/2011 0735
Toluene	50	48		1	96	0.10	70-130	20	12/06/2011 0735
1,2,4-Trichlorobenzene	50	48		1	96	3.8	70-130	20	12/06/2011 0735
1,1,2-Trichloroethane	50	46		1	93	1.9	70-130	20	12/06/2011 0735
1,1,1-Trichloroethane	50	48		1	96	4.4	70-130	20	12/06/2011 0735
Trichloroethene	50	47		1	95	3.0	70-130	20	12/06/2011 0735
Vinyl chloride	50	44		1	88	4.0	70-130	20	12/06/2011 0735
Xylenes (total)	100	100		1	103	0.41	70-130	20	12/06/2011 0735
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		106	70-130						
1,2-Dichloroethane-d4		119	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



ID#:

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 1 of 1

Lab Work Order #

Contact & Company Name: SCOTT BOSTIAN / ARCADIS		Telephone: 919.854.1282	
Address: 801 CORPORATE CENTER DRIVE #300		City: RALEIGH NC 27607	
State: NC		Zip: 27607	
Project Name/Location (City, State): HAA-17		Project #: GP08HAFS.HMC.DPCS R	
Site's Project Name: JOHN HANNA		Site's Signature: <i>John Hanna</i>	
Sample ID		Collection Date	Time
H17-AF-53 (11/18/11)	11/18/11	1315	✓
H17-AF-70 (11/18/11)	11/18/11	1225	✓
H17-AF-71 (11/18/11)	11/18/11	1135	✓
TRIP-BLANK (11/18/11)	11/18/11	—	—
TEMP-BLANK	—	—	—

Preservative: **B**
 Hated (✓):
 # of Containers: **3**
 Container Information: **1**

PARAMETER ANALYSIS & METHOD

Matrix Key:
 SE - Sediment
 SW - Sample Waste
 A - Air
 T - Tissue

Container Information Key:
 1. 40 ml Vial
 2. 1L Amber
 3. 250 ml Plastic
 4. 500 ml Plastic
 5. Eucora
 6. 2 oz. Glass
 7. 4 oz. Glass
 8. 8 oz. Glass
 9. Other:
 10. Other:

Matrix Key:
 SE - Sediment
 SW - Sample Waste
 A - Air
 T - Tissue

REMARKS

PLEASE COPY RESULTS OF TRIP-BLANK (11/18/11) ANALYSIS TO THE HAA-15 SAMPLE REPORT

THANKS

John Hanna

Special Instructions/Comments:

Special QA/QC Instructions (*):

Requisitioned By

Received By

Relinquished By

Printed Name

Signature

Date/Time

Printed Name

Signature

Date/Time

Printed Name

Signature

Date/Time

Printed Name

Signature

Date/Time

Printed Name

Signature

Date/Time

Printed Name

Signature

Date/Time

Printed Name

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: Amcor Cooler Inspected by/date: 11/19/11 Lot #: MA19010

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>22</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 ☐	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 >"pca-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) _____ TKN/cyanide/BNA/pest/PCB/herb.		

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐

SESI employee: _____

Comments: _____

Sender's name: 11/19/11

Company: Amcor

Address: 1111 EBB RD BLD -H-1111

City: KENNESAW

Our Internal Billing Reference: _____

Phone: 770 425 7000

State: GA

ZIP: 30144

Report of Analysis

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

Project Name: Hunter Stewart HAA-17

Project Number: GP08HAFS.H17C.DGOF1

Lot Number: NA06002

Date Completed: 01/13/2012



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.

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SHEALY ENVIRONMENTAL SERVICES, INC.

SC DHEC No: 32010

NELAC No: E87653

NC DENR No: 329

Case Narrative ARCADIS U.S., Inc. Lot Number: NA06002

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.

Volatile Organic Compounds

The LCS/LCSD recovery for Bromomethane (Methyl bromide), Chloromethane (Methyl chloride) and Vinyl chloride exceeded method control limits in batch 75384; however, all other QA/QC criteria for the LCS/LCSD 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.

SHEALY ENVIRONMENTAL SERVICES, INC.

Sample Summary ARCADIS U.S., Inc. Lot Number: NA06002

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	Trip Blank	Aqueous	01/05/2012	01/06/2012
002	H17-MW-27S	Aqueous	01/05/2012 0920	01/06/2012
003	H17-MW-27D	Aqueous	01/05/2012 0948	01/06/2012
004	H17-MW-29D	Aqueous	01/05/2012 1050	01/06/2012
005	H17-MW-24	Aqueous	01/05/2012 1210	01/06/2012

(5 samples)

SHEALY ENVIRONMENTAL SERVICES, INC.

Executive Summary

ARCADIS U.S., Inc.

Lot Number: NA06002

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
002	H17-MW-27S	Aqueous	Ignitability (Pensky-Martens Closed-	1010A	>140		° F	7
003	H17-MW-27D	Aqueous	Ignitability (Pensky-Martens Closed-	1010A	>140		° F	10
004	H17-MW-29D	Aqueous	Ignitability (Pensky-Martens Closed-	1010A	>140		° F	13
004	H17-MW-29D	Aqueous	Carbon disulfide	8260B	0.13	J	ug/L	14
004	H17-MW-29D	Aqueous	Toluene	8260B	2.0		ug/L	14
005	H17-MW-24	Aqueous	Ignitability (Pensky-Martens Closed-	1010A	>140		° F	16

(6 detections)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.				Laboratory ID: NA06002-001			
Description: Trip Blank				Matrix: Aqueous			
Date Sampled: 01/05/2012							
Date Received: 01/06/2012							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	01/11/2012 1512	BM		75481		
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: NA06002-001
Description: Trip Blank	Matrix: Aqueous
Date Sampled: 01/05/2012	
Date Received: 01/06/2012	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Bromofluorobenzene		100	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

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)

Inorganic non-metals

Client: ARCADIS U.S., Inc.				Laboratory ID: NA06002-002			
Description: H17-MW-27S				Matrix: Aqueous			
Date Sampled: 01/05/2012 0920							
Date Received: 01/06/2012							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Ignitability) 1010A	1	01/11/2012 2045	HBB		75499
1		(pH) SM 4500-H B	1	01/06/2012 1750	ASL		75326

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Ignitability (Pensky-Martens Closed-Cup)		1010A	>140		140	0	° F	1
pH		SM 4500-H B	7.13	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

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: NA06002-002			
Description: H17-MW-27S				Matrix: Aqueous			
Date Sampled: 01/05/2012 0920							
Date Received: 01/06/2012							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	01/10/2012 1536	BM		75384		
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: NA06002-002
Description: H17-MW-27S	Matrix: Aqueous
Date Sampled: 01/05/2012 0920	
Date Received: 01/06/2012	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		120	70-130
Bromofluorobenzene		90	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

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)

Inorganic non-metals

Client: ARCADIS U.S., Inc.				Laboratory ID: NA06002-003			
Description: H17-MW-27D				Matrix: Aqueous			
Date Sampled: 01/05/2012 0948							
Date Received: 01/06/2012							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Ignitability) 1010A	1	01/11/2012 2045	HBB		75499
1		(pH) SM 4500-H B	1	01/06/2012 1750	ASL		75326

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Ignitability (Pensky-Martens Closed-Cup)		1010A	>140		140	0	° F	1
pH		SM 4500-H B	7.65	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

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: NA06002-003			
Description: H17-MW-27D				Matrix: Aqueous			
Date Sampled: 01/05/2012 0948							
Date Received: 01/06/2012							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	01/10/2012 1558	BM		75384		
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: NA06002-003
Description: H17-MW-27D	Matrix: Aqueous
Date Sampled: 01/05/2012 0948	
Date Received: 01/06/2012	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		118	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		95	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)

Inorganic non-metals

Client: ARCADIS U.S., Inc.				Laboratory ID: NA06002-004			
Description: H17-MW-29D				Matrix: Aqueous			
Date Sampled: 01/05/2012 1050							
Date Received: 01/06/2012							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Ignitability) 1010A	1	01/11/2012 2045	HBB		75499
1		(pH) SM 4500-H B	1	01/06/2012 1750	ASL		75326

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Ignitability (Pensky-Martens Closed-Cup)		1010A	>140		140	0	° F	1
pH		SM 4500-H B	6.47	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

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: NA06002-004			
Description: H17-MW-29D				Matrix: Aqueous			
Date Sampled: 01/05/2012 1050							
Date Received: 01/06/2012							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	01/10/2012 1619	BM		75384		
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	0.13	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	2.0		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: NA06002-004
Description: H17-MW-29D	Matrix: Aqueous
Date Sampled: 01/05/2012 1050	
Date Received: 01/06/2012	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	70-130
Bromofluorobenzene		86	70-130
Toluene-d8		95	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)

Inorganic non-metals

Client: ARCADIS U.S., Inc.				Laboratory ID: NA06002-005			
Description: H17-MW-24				Matrix: Aqueous			
Date Sampled: 01/05/2012 1210							
Date Received: 01/06/2012							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Ignitability) 1010A	1	01/11/2012 2045	HBB		75499
1		(pH) SM 4500-H B	1	01/06/2012 1750	ASL		75326

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Ignitability (Pensky-Martens Closed-Cup)		1010A	>140		140	0	° F	1
pH		SM 4500-H B	7.62	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

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: NA06002-005			
Description: H17-MW-24				Matrix: Aqueous			
Date Sampled: 01/05/2012 1210							
Date Received: 01/06/2012							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	01/10/2012 1641	BM		75384		
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: NA06002-005
Description: H17-MW-24	Matrix: Aqueous
Date Sampled: 01/05/2012 1210	
Date Received: 01/06/2012	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		104	70-130
Bromofluorobenzene		88	70-130
Toluene-d8		95	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

Inorganic non-metals - MB

Sample ID: NQ75326-001

Matrix: Aqueous

Batch: 75326

Analytical Method: SM 4500-H B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
pH	6.86		1	0.000	0.000	su	01/06/2012 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

Shealy Environmental Services, Inc.

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

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Volatile Organic Compounds by GC/MS - MB

Sample ID: NQ75384-001

Matrix: Aqueous

Batch: 75384

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	01/10/2012 0924
Benzene	ND		1	1.0	0.13	ug/L	01/10/2012 0924
Bromodichloromethane	ND		1	1.0	0.33	ug/L	01/10/2012 0924
Bromoform	ND		1	1.0	0.66	ug/L	01/10/2012 0924
Bromomethane (Methyl bromide)	ND		1	2.0	0.80	ug/L	01/10/2012 0924
2-Butanone (MEK)	ND		1	10	2.0	ug/L	01/10/2012 0924
Carbon disulfide	ND		1	1.0	0.097	ug/L	01/10/2012 0924
Carbon tetrachloride	ND		1	1.0	0.14	ug/L	01/10/2012 0924
Chlorobenzene	ND		1	2.0	0.33	ug/L	01/10/2012 0924
Chloroethane	ND		1	2.0	0.47	ug/L	01/10/2012 0924
Chloroform	ND		1	1.0	0.33	ug/L	01/10/2012 0924
Chloromethane (Methyl chloride)	ND		1	1.0	0.35	ug/L	01/10/2012 0924
Dibromochloromethane	ND		1	1.0	0.33	ug/L	01/10/2012 0924
1,2-Dichlorobenzene	ND		1	1.0	0.33	ug/L	01/10/2012 0924
1,4-Dichlorobenzene	ND		1	1.0	0.33	ug/L	01/10/2012 0924
1,3-Dichlorobenzene	ND		1	1.0	0.33	ug/L	01/10/2012 0924
1,1-Dichloroethane	ND		1	1.0	0.13	ug/L	01/10/2012 0924
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	01/10/2012 0924
trans-1,2-Dichloroethene	ND		1	1.0	0.21	ug/L	01/10/2012 0924
cis-1,2-Dichloroethene	ND		1	1.0	0.12	ug/L	01/10/2012 0924
1,1-Dichloroethene	ND		1	1.0	0.16	ug/L	01/10/2012 0924
1,2-Dichloropropane	ND		1	1.0	0.19	ug/L	01/10/2012 0924
trans-1,3-Dichloropropene	ND		1	1.0	0.11	ug/L	01/10/2012 0924
cis-1,3-Dichloropropene	ND		1	1.0	0.092	ug/L	01/10/2012 0924
Ethylbenzene	ND		1	1.0	0.33	ug/L	01/10/2012 0924
2-Hexanone	ND		1	10	0.27	ug/L	01/10/2012 0924
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	01/10/2012 0924
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	01/10/2012 0924
Methylene chloride	ND		1	1.0	0.33	ug/L	01/10/2012 0924
Styrene	ND		1	1.0	0.12	ug/L	01/10/2012 0924
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.16	ug/L	01/10/2012 0924
Tetrachloroethene	ND		1	1.0	0.13	ug/L	01/10/2012 0924
Toluene	ND		1	1.0	0.33	ug/L	01/10/2012 0924
1,2,4-Trichlorobenzene	ND		1	1.0	0.51	ug/L	01/10/2012 0924
1,1,2-Trichloroethane	ND		1	1.0	0.21	ug/L	01/10/2012 0924
1,1,1-Trichloroethane	ND		1	1.0	0.074	ug/L	01/10/2012 0924
Trichloroethene	ND		1	1.0	0.18	ug/L	01/10/2012 0924
Vinyl chloride	ND		1	1.0	0.054	ug/L	01/10/2012 0924
Xylenes (total)	ND		1	1.0	0.33	ug/L	01/10/2012 0924
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		90	70-130				
1,2-Dichloroethane-d4		111	70-130				
Toluene-d8		96	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: NQ75384-002

Matrix: Aqueous

Batch: 75384

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	70-130	01/10/2012 0759
Benzene	50	50		1	100	70-130	01/10/2012 0759
Bromodichloromethane	50	54		1	107	70-130	01/10/2012 0759
Bromoform	50	43		1	86	70-130	01/10/2012 0759
Bromomethane (Methyl bromide)	50	74	N	1	148	60-140	01/10/2012 0759
2-Butanone (MEK)	100	120		1	115	60-140	01/10/2012 0759
Carbon disulfide	50	48		1	96	60-140	01/10/2012 0759
Carbon tetrachloride	50	57		1	113	70-130	01/10/2012 0759
Chlorobenzene	50	47		1	94	70-130	01/10/2012 0759
Chloroethane	50	75		1	149	42-163	01/10/2012 0759
Chloroform	50	53		1	106	70-130	01/10/2012 0759
Chloromethane (Methyl chloride)	50	81	N	1	163	70-130	01/10/2012 0759
Dibromochloromethane	50	46		1	92	70-130	01/10/2012 0759
1,2-Dichlorobenzene	50	48		1	95	70-130	01/10/2012 0759
1,4-Dichlorobenzene	50	46		1	92	70-130	01/10/2012 0759
1,3-Dichlorobenzene	50	47		1	94	70-130	01/10/2012 0759
1,1-Dichloroethane	50	51		1	102	70-130	01/10/2012 0759
1,2-Dichloroethane	50	55		1	109	70-130	01/10/2012 0759
trans-1,2-Dichloroethene	50	51		1	102	70-130	01/10/2012 0759
cis-1,2-Dichloroethene	50	51		1	102	70-130	01/10/2012 0759
1,1-Dichloroethene	50	51		1	102	70-130	01/10/2012 0759
1,2-Dichloropropane	50	51		1	101	70-130	01/10/2012 0759
trans-1,3-Dichloropropene	50	50		1	101	70-130	01/10/2012 0759
cis-1,3-Dichloropropene	50	53		1	107	70-130	01/10/2012 0759
Ethylbenzene	50	49		1	98	70-130	01/10/2012 0759
2-Hexanone	100	120		1	117	60-140	01/10/2012 0759
Methyl tertiary butyl ether (MTBE)	50	53		1	105	70-130	01/10/2012 0759
4-Methyl-2-pentanone	100	120		1	120	60-140	01/10/2012 0759
Methylene chloride	50	51		1	101	70-130	01/10/2012 0759
Styrene	50	50		1	101	70-130	01/10/2012 0759
1,1,2,2-Tetrachloroethane	50	49		1	98	60-140	01/10/2012 0759
Tetrachloroethene	50	48		1	97	70-130	01/10/2012 0759
Toluene	50	48		1	97	70-130	01/10/2012 0759
1,2,4-Trichlorobenzene	50	49		1	99	70-130	01/10/2012 0759
1,1,2-Trichloroethane	50	48		1	96	70-130	01/10/2012 0759
1,1,1-Trichloroethane	50	56		1	113	70-130	01/10/2012 0759
Trichloroethene	50	51		1	101	70-130	01/10/2012 0759
Vinyl chloride	50	78	N	1	157	70-130	01/10/2012 0759
Xylenes (total)	100	99		1	99	70-130	01/10/2012 0759
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		89	70-130				
1,2-Dichloroethane-d4		110	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: NQ75384-003

Matrix: Aqueous

Batch: 75384

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	112	1.8	70-130	20	01/10/2012 0820
Benzene	50	50		1	101	0.31	70-130	20	01/10/2012 0820
Bromodichloromethane	50	54		1	107	0.13	70-130	20	01/10/2012 0820
Bromoform	50	44		1	88	2.2	70-130	20	01/10/2012 0820
Bromomethane (Methyl bromide)	50	81	N	1	162	9.0	60-140	20	01/10/2012 0820
2-Butanone (MEK)	100	120		1	121	4.8	60-140	20	01/10/2012 0820
Carbon disulfide	50	49		1	99	2.5	60-140	20	01/10/2012 0820
Carbon tetrachloride	50	57		1	115	1.5	70-130	20	01/10/2012 0820
Chlorobenzene	50	48		1	95	1.8	70-130	20	01/10/2012 0820
Chloroethane	50	78		1	156	4.4	42-163	20	01/10/2012 0820
Chloroform	50	54		1	109	2.5	70-130	20	01/10/2012 0820
Chloromethane (Methyl chloride)	50	81	N	1	162	0.38	70-130	20	01/10/2012 0820
Dibromochloromethane	50	47		1	94	2.5	70-130	20	01/10/2012 0820
1,2-Dichlorobenzene	50	48		1	96	0.85	70-130	20	01/10/2012 0820
1,4-Dichlorobenzene	50	46		1	92	0.42	70-130	20	01/10/2012 0820
1,3-Dichlorobenzene	50	47		1	94	0.78	70-130	20	01/10/2012 0820
1,1-Dichloroethane	50	52		1	104	2.5	70-130	20	01/10/2012 0820
1,2-Dichloroethane	50	55		1	110	0.41	70-130	20	01/10/2012 0820
trans-1,2-Dichloroethene	50	52		1	105	2.8	70-130	20	01/10/2012 0820
cis-1,2-Dichloroethene	50	53		1	106	3.9	70-130	20	01/10/2012 0820
1,1-Dichloroethene	50	52		1	103	1.5	70-130	20	01/10/2012 0820
1,2-Dichloropropane	50	51		1	101	0.073	70-130	20	01/10/2012 0820
trans-1,3-Dichloropropene	50	51		1	102	1.2	70-130	20	01/10/2012 0820
cis-1,3-Dichloropropene	50	53		1	105	1.3	70-130	20	01/10/2012 0820
Ethylbenzene	50	50		1	99	1.0	70-130	20	01/10/2012 0820
2-Hexanone	100	120		1	118	1.6	60-140	20	01/10/2012 0820
Methyl tertiary butyl ether (MTBE)	50	55		1	109	3.8	70-130	20	01/10/2012 0820
4-Methyl-2-pentanone	100	120		1	121	0.62	60-140	20	01/10/2012 0820
Methylene chloride	50	52		1	104	3.0	70-130	20	01/10/2012 0820
Styrene	50	52		1	104	3.2	70-130	20	01/10/2012 0820
1,1,2,2-Tetrachloroethane	50	49		1	99	1.1	60-140	20	01/10/2012 0820
Tetrachloroethene	50	50		1	100	3.0	70-130	20	01/10/2012 0820
Toluene	50	49		1	98	1.1	70-130	20	01/10/2012 0820
1,2,4-Trichlorobenzene	50	50		1	100	1.6	70-130	20	01/10/2012 0820
1,1,2-Trichloroethane	50	49		1	98	1.9	70-130	20	01/10/2012 0820
1,1,1-Trichloroethane	50	57		1	114	0.64	70-130	20	01/10/2012 0820
Trichloroethene	50	51		1	103	1.3	70-130	20	01/10/2012 0820
Vinyl chloride	50	78	N	1	157	0.075	70-130	20	01/10/2012 0820
Xylenes (total)	100	100		1	101	2.4	70-130	20	01/10/2012 0820
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		91	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 - MB

Sample ID: NQ75481-001

Matrix: Aqueous

Batch: 75481

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	01/11/2012 0954
Benzene	ND		1	1.0	0.13	ug/L	01/11/2012 0954
Bromodichloromethane	ND		1	1.0	0.33	ug/L	01/11/2012 0954
Bromoform	ND		1	1.0	0.66	ug/L	01/11/2012 0954
Bromomethane (Methyl bromide)	ND		1	2.0	0.80	ug/L	01/11/2012 0954
2-Butanone (MEK)	ND		1	10	2.0	ug/L	01/11/2012 0954
Carbon disulfide	ND		1	1.0	0.097	ug/L	01/11/2012 0954
Carbon tetrachloride	ND		1	1.0	0.14	ug/L	01/11/2012 0954
Chlorobenzene	ND		1	2.0	0.33	ug/L	01/11/2012 0954
Chloroethane	ND		1	2.0	0.47	ug/L	01/11/2012 0954
Chloroform	ND		1	1.0	0.33	ug/L	01/11/2012 0954
Chloromethane (Methyl chloride)	ND		1	1.0	0.35	ug/L	01/11/2012 0954
Dibromochloromethane	ND		1	1.0	0.33	ug/L	01/11/2012 0954
1,2-Dichlorobenzene	ND		1	1.0	0.33	ug/L	01/11/2012 0954
1,3-Dichlorobenzene	ND		1	1.0	0.33	ug/L	01/11/2012 0954
1,4-Dichlorobenzene	ND		1	1.0	0.33	ug/L	01/11/2012 0954
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	01/11/2012 0954
1,1-Dichloroethane	ND		1	1.0	0.13	ug/L	01/11/2012 0954
trans-1,2-Dichloroethene	ND		1	1.0	0.21	ug/L	01/11/2012 0954
cis-1,2-Dichloroethene	ND		1	1.0	0.12	ug/L	01/11/2012 0954
1,1-Dichloroethene	ND		1	1.0	0.16	ug/L	01/11/2012 0954
1,2-Dichloropropane	ND		1	1.0	0.19	ug/L	01/11/2012 0954
cis-1,3-Dichloropropene	ND		1	1.0	0.092	ug/L	01/11/2012 0954
trans-1,3-Dichloropropene	ND		1	1.0	0.11	ug/L	01/11/2012 0954
Ethylbenzene	ND		1	1.0	0.33	ug/L	01/11/2012 0954
2-Hexanone	ND		1	10	0.27	ug/L	01/11/2012 0954
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	01/11/2012 0954
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	01/11/2012 0954
Methylene chloride	ND		1	1.0	0.33	ug/L	01/11/2012 0954
Styrene	ND		1	1.0	0.12	ug/L	01/11/2012 0954
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.16	ug/L	01/11/2012 0954
Tetrachloroethene	ND		1	1.0	0.13	ug/L	01/11/2012 0954
Toluene	ND		1	1.0	0.33	ug/L	01/11/2012 0954
1,2,4-Trichlorobenzene	ND		1	1.0	0.51	ug/L	01/11/2012 0954
1,1,2-Trichloroethane	ND		1	1.0	0.21	ug/L	01/11/2012 0954
1,1,1-Trichloroethane	ND		1	1.0	0.074	ug/L	01/11/2012 0954
Trichloroethene	ND		1	1.0	0.18	ug/L	01/11/2012 0954
Vinyl chloride	ND		1	1.0	0.054	ug/L	01/11/2012 0954
Xylenes (total)	ND		1	1.0	0.33	ug/L	01/11/2012 0954
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		100	70-130				
1,2-Dichloroethane-d4		90	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: NQ75481-002

Matrix: Aqueous

Batch: 75481

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	107	70-130	01/11/2012 0807
Benzene	50	50		1	101	70-130	01/11/2012 0807
Bromodichloromethane	50	46		1	91	70-130	01/11/2012 0807
Bromoform	50	47		1	95	70-130	01/11/2012 0807
Bromomethane (Methyl bromide)	50	52		1	103	60-140	01/11/2012 0807
2-Butanone (MEK)	100	110		1	105	60-140	01/11/2012 0807
Carbon disulfide	50	48		1	96	60-140	01/11/2012 0807
Carbon tetrachloride	50	48		1	97	70-130	01/11/2012 0807
Chlorobenzene	50	50		1	99	70-130	01/11/2012 0807
Chloroethane	50	57		1	115	42-163	01/11/2012 0807
Chloroform	50	49		1	98	70-130	01/11/2012 0807
Chloromethane (Methyl chloride)	50	56		1	112	70-130	01/11/2012 0807
Dibromochloromethane	50	47		1	94	70-130	01/11/2012 0807
1,2-Dichlorobenzene	50	51		1	101	70-130	01/11/2012 0807
1,3-Dichlorobenzene	50	52		1	104	70-130	01/11/2012 0807
1,4-Dichlorobenzene	50	50		1	100	70-130	01/11/2012 0807
1,2-Dichloroethane	50	46		1	92	70-130	01/11/2012 0807
1,1-Dichloroethane	50	48		1	96	70-130	01/11/2012 0807
trans-1,2-Dichloroethene	50	52		1	104	70-130	01/11/2012 0807
cis-1,2-Dichloroethene	50	50		1	100	70-130	01/11/2012 0807
1,1-Dichloroethene	50	52		1	104	70-130	01/11/2012 0807
1,2-Dichloropropane	50	52		1	105	70-130	01/11/2012 0807
cis-1,3-Dichloropropene	50	48		1	97	70-130	01/11/2012 0807
trans-1,3-Dichloropropene	50	46		1	93	70-130	01/11/2012 0807
Ethylbenzene	50	51		1	101	70-130	01/11/2012 0807
2-Hexanone	100	110		1	111	60-140	01/11/2012 0807
Methyl tertiary butyl ether (MTBE)	50	51		1	102	70-130	01/11/2012 0807
4-Methyl-2-pentanone	100	110		1	112	60-140	01/11/2012 0807
Methylene chloride	50	50		1	101	70-130	01/11/2012 0807
Styrene	50	55		1	109	70-130	01/11/2012 0807
1,1,2,2-Tetrachloroethane	50	51		1	101	60-140	01/11/2012 0807
Tetrachloroethene	50	48		1	95	70-130	01/11/2012 0807
Toluene	50	52		1	103	70-130	01/11/2012 0807
1,2,4-Trichlorobenzene	50	50		1	100	70-130	01/11/2012 0807
1,1,2-Trichloroethane	50	52		1	104	70-130	01/11/2012 0807
1,1,1-Trichloroethane	50	48		1	95	70-130	01/11/2012 0807
Trichloroethene	50	48		1	95	70-130	01/11/2012 0807
Vinyl chloride	50	47		1	95	70-130	01/11/2012 0807
Xylenes (total)	100	100		1	104	70-130	01/11/2012 0807
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		98	70-130				
1,2-Dichloroethane-d4		88	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 - LCSD

Sample ID: NQ75481-003

Matrix: Aqueous

Batch: 75481

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	3.3	70-130	20	01/11/2012 0830
Benzene	50	52		1	104	2.8	70-130	20	01/11/2012 0830
Bromodichloromethane	50	47		1	94	2.6	70-130	20	01/11/2012 0830
Bromoform	50	47		1	94	0.67	70-130	20	01/11/2012 0830
Bromomethane (Methyl bromide)	50	55		1	109	5.5	60-140	20	01/11/2012 0830
2-Butanone (MEK)	100	110		1	107	1.2	60-140	20	01/11/2012 0830
Carbon disulfide	50	50		1	100	4.5	60-140	20	01/11/2012 0830
Carbon tetrachloride	50	50		1	99	2.6	70-130	20	01/11/2012 0830
Chlorobenzene	50	50		1	101	1.6	70-130	20	01/11/2012 0830
Chloroethane	50	62		1	125	8.5	42-163	20	01/11/2012 0830
Chloroform	50	51		1	102	3.9	70-130	20	01/11/2012 0830
Chloromethane (Methyl chloride)	50	59		1	117	5.0	70-130	20	01/11/2012 0830
Dibromochloromethane	50	47		1	95	0.60	70-130	20	01/11/2012 0830
1,2-Dichlorobenzene	50	53		1	105	4.1	70-130	20	01/11/2012 0830
1,3-Dichlorobenzene	50	54		1	107	3.2	70-130	20	01/11/2012 0830
1,4-Dichlorobenzene	50	51		1	103	3.2	70-130	20	01/11/2012 0830
1,2-Dichloroethane	50	48		1	96	4.7	70-130	20	01/11/2012 0830
1,1-Dichloroethane	50	51		1	102	6.4	70-130	20	01/11/2012 0830
trans-1,2-Dichloroethene	50	54		1	107	3.3	70-130	20	01/11/2012 0830
cis-1,2-Dichloroethene	50	53		1	105	5.0	70-130	20	01/11/2012 0830
1,1-Dichloroethene	50	54		1	107	3.3	70-130	20	01/11/2012 0830
1,2-Dichloropropane	50	53		1	106	1.7	70-130	20	01/11/2012 0830
cis-1,3-Dichloropropene	50	49		1	98	1.1	70-130	20	01/11/2012 0830
trans-1,3-Dichloropropene	50	47		1	94	1.2	70-130	20	01/11/2012 0830
Ethylbenzene	50	51		1	102	1.0	70-130	20	01/11/2012 0830
2-Hexanone	100	110		1	108	3.0	60-140	20	01/11/2012 0830
Methyl tertiary butyl ether (MTBE)	50	53		1	107	5.0	70-130	20	01/11/2012 0830
4-Methyl-2-pentanone	100	110		1	111	0.38	60-140	20	01/11/2012 0830
Methylene chloride	50	52		1	104	3.3	70-130	20	01/11/2012 0830
Styrene	50	55		1	110	0.49	70-130	20	01/11/2012 0830
1,1,2,2-Tetrachloroethane	50	52		1	105	3.5	60-140	20	01/11/2012 0830
Tetrachloroethene	50	49		1	97	2.4	70-130	20	01/11/2012 0830
Toluene	50	52		1	103	0.43	70-130	20	01/11/2012 0830
1,2,4-Trichlorobenzene	50	53		1	106	6.0	70-130	20	01/11/2012 0830
1,1,2-Trichloroethane	50	53		1	105	1.4	70-130	20	01/11/2012 0830
1,1,1-Trichloroethane	50	49		1	99	3.9	70-130	20	01/11/2012 0830
Trichloroethene	50	49		1	98	2.9	70-130	20	01/11/2012 0830
Vinyl chloride	50	50		1	101	6.1	70-130	20	01/11/2012 0830
Xylenes (total)	100	110		1	105	0.88	70-130	20	01/11/2012 0830
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		98	70-130						
1,2-Dichloroethane-d4		88	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

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: Arcadis Cooler Inspected by/date: 6/1/12 Lot #: NA6602

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>1-5</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 ☐	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 NH ₃ /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 _____ (H₂SO₄, HNO₃, HCl, NaOH) with the SR # (number) _____

Sample(s) _____

This portion can be removed for recipient's records.

Sample(s) _____

1-5-12

FedEx Tracking Number 877106322740

TKN/cyanide/BNA/pest/PCB/herb.

Order's

Valyn Paouric

Phone 919 854-1282

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐

SESI employee: _____

Comments: _____

Company ARCADIS G & M OF NC INC

Address 801 CORPORATE CENTER DR

City RALEIGH

State NC

ZIP 27607-5243

Our Internal Billing Reference

ADDRESS 1176 2005

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KL09046
HAA-17

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: KL09046
HAA-17**

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

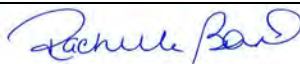
01/27/10

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: KL09046
HAA-17**

The following samples were included in this SDG:

SDG	Sample ID	Sample Date	Parent Sample
KL09046	H17-AF01 (120709)- (21-22)	12/7/2009	
KL09046	H17-AF01 (120709)- (31-32)	12/7/2009	
KL09046	H17-AF01 (120709)- (37-38)	12/7/2009	
KL09046	H17-AF15 (120809)- (21-22)	12/8/2009	
KL09046	H17-AF15 (120809)- (29-30)	12/8/2009	
KL09046	H17-AF15 (120809)- (37-38)	12/8/2009	
KL09046	H17-AF15 (120809)- (44-45)	12/8/2009	
KL09046	H17-AF53 (120809)- (25-26)	12/8/2009	
KL09046	H17-AF53 (120809)- (35-36)	12/8/2009	
KL09046	H17-AF53 (120809)- (42-43)	12/8/2009	
KL09046	H17-AF62 (120809)- (21-22)	12/8/2009	
KL09046	H17-AF62 (120809)- (26-27)	12/8/2009	
KL09046	H17-AF62 (120809)- (36-37)	12/8/2009	

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KL09046
HAA-17

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: KL09046
HAA-17

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)		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	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.

2. Several samples required dilutions due to elevated concentrations of target analytes. There were elevated reporting limits for non-detect results.
4. The surrogate recoveries were diluted out in the 50x dilution of sample location H17-AF62(120809)-(21-22) and could not be evaluated. All VOC results in this sample were qualified as estimated.
5. The recovery of the compound tetrachloroethene was greater than the control limit in the LCS and the LCSD for batch 24016. The associated field samples analyzed in this analytical batch were non-detect for this compound; therefore, qualification is not warranted. The RPDs between the LCS/LCSD pair were above the control limit for the compounds acetone and 2-butanone. The associated field samples were qualified as estimated for these compounds. See the attached qualification summary for details of the qualifications.

The recoveries of the compounds acetone, carbon disulfide, chloromethane, and vinyl chloride were greater than the control limit in the LCS and/or the LCSD for batch 24175. All detections of these compounds in the associated field samples analyzed in this analytical batch are qualified as estimated. The RPDs between the LCS/LCSD pair were above the control limit for the compounds acetone and chloroethane. The associated field samples were qualified as estimated for these compounds. See the attached qualification summary for details of the qualifications.



**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KL13004, KL16030, and KL18024
HAA-17**

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.

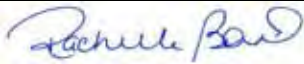
The attached table summarizes the data that were qualified due to QC deficiencies. The table indicates compounds/analytes qualified based on electronic and manual validation. Refer to the associated method section of the validation checklist for a detailed explanation of qualification. All other data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



**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KL13004, KL16030, and KL18024
HAA-17**

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	02/16/10
REVIEW PERFORMED BY:	Rachelle Borne	02/21/10
SIGNATURE:		02/22/10
PEER REVIEW:	Dennis Capria	02/22/10

**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KL13004, KL16030, and KL18024
HAA-17**

The following samples were included in this SDG:

SDG	Sample ID	Sample Date	Parent Sample
KL13004	H17-AF101 (121009)-(24-25)	12/10/2009	
KL13004	H17-AF101 (121009)-(34-35)	12/10/2009	
KL13004	H17-AF61 (120909)-(36-37)	12/9/2009	
KL13004	H17-AF61 (120909)-(41-42)	12/9/2009	
KL13004	H17-AF61 (120909)-(48-49)	12/9/2009	
KL13004	H17-AF61(120909)-(22-23)	12/9/2009	
KL13004	H17-PF1 (121109)-(34-35)	12/11/2009	
KL13004	H17-PF1 (121109)-(44-45)	12/11/2009	
KL13004	H17-PF1 (121109)-(6-7)	12/11/2009	
KL13004	H17-PF2 (121009)-(34-35)	12/10/2009	
KL13004	H17-PF2 (121009)-(44-45)	12/10/2009	
KL13004	H17-PF3 (121109)-(2-3)	12/11/2009	
KL13004	H17-PF3 (121109)-(6-7)	12/11/2009	
KL16030	H17-FD2 (121509)-(41-45)	12/15/2009	
KL16030	H17-FD3 (121409)-(34-35)	12/14/2009	
KL16030	H17-FD3 (121409)-(44-45)	12/14/2009	
KL16030	H17-FD3 (121509)-(41-45)	12/15/2009	
KL16030	H17-PF1 (121509)-(41-45)	12/15/2009	
KL16030	H17-PF4 (121409)-(34-35)	12/14/2009	
KL16030	H17-PF4 (121509)-(41-45)	12/15/2009	
KL16030	H17-PF4(121409)-(44-45)	12/14/2009	
KL16030	TRIP BLANK (121609)	12/16/2009	
KL16030	H17-AF102 (121509)-(34-35)	12/15/2009	
KL16030	H17-AF102 (121509)-(41-45)	12/15/2009	
KL16030	H17-AF102 (121509)-(44-45)	12/15/2009	
KL16030	H17-AF103 (121509)-(41-45)	12/15/2009	
KL16030	H17-FD1 (121409)-(34-35)	12/14/2009	
KL16030	H17-FD1 (121409)-(44-45)	12/14/2009	
KL16030	H17-FD1 (121509)-(41-45)	12/15/2009	
KL16030	H17-FD2 (121409)-(34-45)	12/14/2009	
KL16030	H17-FD2 (121409)-(44-45)	12/14/2009	
KL18024	H17-AF103 (121609)- (34-35)	12/16/2009	
KL18024	H17-AF103 (121609)- (44-45)	12/16/2009	
KL18024	H17-AF104 (121609)- (24-25)	12/16/2009	
KL18024	H17-AF104 (121609)- (34-35)	12/16/2009	
KL18024	H17-AF104 (121609)- (44-45)	12/16/2009	
KL18024	H17-AF104 (121709)- (41-45)	12/17/2009	
KL18024	H17-AF105 (121609)- (34-35)	12/16/2009	
KL18024	H17-AF105 (121609)- (41-45)	12/16/2009	
KL18024	H17-AF105 (121609)- (44-45)	12/16/2009	
KL18024	H17-AF107 (121709)- (34-35)	12/17/2009	
KL18024	H17-AF107 (121709)- (41-45)	12/17/2009	



**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KL13004, KL16030, and KL18024
HAA-17**

SDG	Sample ID	Sample Date	Parent Sample
KL18024	H17-AF107 (121709)- (44-45)	12/17/2009	
KL18024	H17-AF108 (121709)- (34-35)	12/17/2009	
KL18024	H17-AF108 (121709)- (41-45)	12/17/2009	
KL18024	H17-AF108 (121709)- (44-45)	12/17/2009	
KL18024	H17-PF2 (121709)- (41-45)	12/17/2009	
KL18024	Trip Blank(120809)	12/18/2009	

**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KL13004, KL16030, and KL18024
HAA-17**

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: KL13004, KL16030, and KL18024
HAA-17

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.

- SDG (KL13004) Sample location H17-AF101(121009)-(34-35) was analyzed 9 days beyond the 14 day recommended holding time due to instrument issues with the initial analysis as indicated by the case narrative. The re-analysis will be reported and all VOC results for this sample were qualified as estimated.

SDG (KL13004) Sample location H17-PF3(121109)-(6-7) was analyzed 7 days beyond the 14 day recommended holding time due to instrument issues with the initial analysis as indicated by the case narrative. The re-analysis will be reported and all VOC results for this sample were qualified as estimated.

SDG (KL16030) Sample location H17-AF102(121509)-(44-45) was analyzed 2 days beyond the 14 day recommended holding time due to internal standard failures in the initial analysis as indicated by the case narrative. The re-analysis will be reported and all VOC results for this sample were qualified as estimated.

SDG (KL18024) Sample locations H17-AF103(121609)-(34-35), H17-AF104(121609)-(34-35) and H17-AF105(121609)-(34-35) were analyzed 1 day beyond the 14 day recommended holding time due to internal standard failures in the initial analysis as indicated by the case narrative. The re-analysis will be reported and all VOC results for these samples were qualified as estimated.

- Several samples required dilutions due to elevated concentrations of target analytes. There were elevated reporting limits for non-detect results.

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KL13004, KL16030, and KL18024
HAA-17

- 3A. SDG (KL16030) The compound cyclohexane was detected in the method blank for batch 24457. The associated field samples were qualified as non-detect if the sample result was less than five times the blank result. See attached qualification summary for details of the qualifications.
- 3C. SDG (KL18024) The compounds acetone, carbon disulfide, and methylene chloride were detected in the trip blank. The associated field samples were qualified as non-detect if the sample results were less than ten times the blank result for acetone and methylene chloride and less than five times the blank result for carbon disulfide. See attached qualification summary for details of the qualifications.
4. SDG (KL13004) Two surrogate recoveries were less than the control limit in the 50x dilution of H17-AF61(120909)-(22-23) and one surrogate recovery was less than the control limit in the 50x dilution of H17-AF101(121009)-(24-25). The surrogate recoveries were acceptable in the 1x dilutions; therefore, qualification of the data is not warranted.
5. SDG (KL13004) The recoveries of compounds carbon disulfide and tetrachloroethene were above the control limit in the LCSD for batch 23960. All detections of these compounds in the associated field samples were qualified as estimated. See attached qualification summary for details of the qualifications.

SDGs (KL13004, KL16030, and KL18024) The RPD between the LCS/LCSD pair was above the control limit for vinyl chloride in batch 23963. The associated field samples were qualified as estimated for this compound. See attached qualification summary for details of the qualifications.

SDG (KL13004) The recoveries of compounds chloromethane and vinyl chloride were above the control limit in the LCSD for batch 24314. The associated field samples were non-detect for these compounds; therefore, qualification of the data is not warranted.

SDG (KL13004) The recoveries of 1,2-dibromo-3-chloropropane, 1,2-dibromomethane, 4-methyl-2-pentanone, and 1,1,2,2-tetrachloroethane were less than the control limit in the LCS for batches 24321 and 24685. The recoveries of bromoform, 1,2-dibromomethane, 4-methyl-2-pentanone, and 1,1,2,2-tetrachloroethane were less than the control limit in the LCSD. The associated field samples were qualified as estimated for these compounds. See attached qualification summary for details of the qualifications.

SDG (KL16030) The recovery of the compound 1,2-dibromo-3-chloropropane was above the control limit in the LCSD for batch 24386. The associated field samples were non-detect for this compound; therefore, qualification of the data is not warranted.

SDG (KL16030) The recovery of the compound dichlorodifluoromethane was above the control limit in the LCS and the LCSD for batch 24397. The associated field samples were non-detect for this compound; therefore, qualification of the data is not warranted.

SDG (KL16030) The RPD between the LCS/LCSD pair was above the control limit for acetone in batch 24457. The associated field samples were qualified as estimated for this compound. See attached qualification summary for details of the qualifications.

SDG (KL18024) The recovery of the compound 1,2,4-trichlorobenzene was above the control limit in the LCS for batch 24494. The associated field samples were non-detect for this compound; therefore, qualification of the data is not warranted.



**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KL13004, KL16030, and KL18024
HAA-17**

SDG (KL18024) Several RPDs between the LCS/LCSD pair were above the control limit for batch 24560. The associated field samples were qualified as estimated for these compounds. See attached qualification summary for details of the qualifications.

**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: LB12007 and LB18061
HAA-17**

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.

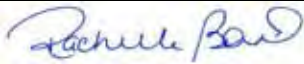
The attached table summarizes the data that were qualified due to QC deficiencies. The table indicates compounds/analytes qualified based on electronic and manual validation. Refer to the associated method section of the validation checklist for a detailed explanation of qualification. All other data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



**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: LB12007 and LB18061
HAA-17**

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	05/21/10
REVIEW PERFORMED BY:	Rachelle Borne	05/21/10
SIGNATURE:		05/26/10
PEER REVIEW:	Dennis Capria	05/26/10

**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: LB12007 and LB18061
HAA-17**

The following samples were included in this SDG:

SDG	Sample ID	Sample Date	Parent Sample
LB12007	AF-13 (2-10-10)	2/10/2010	
LB12007	AF-14 (2-10-10)	2/10/2010	
LB12007	AF-23 (2-10-10)	2/10/2010	
LB12007	AF-25 (2-11-10)	2/11/2010	
LB12007	AF-26 (2-11-10)	2/11/2010	
LB12007	AF-35 (2-11-10)	2/11/2010	
LB12007	AF-41 (2-10-10)	2/10/2010	
LB12007	AF-54 (2-10-10)	2/10/2010	
LB12007	AF-55 (2-10-10)	2/10/2010	
LB12007	AF-56 (2-10-10)	2/10/2010	
LB12007	AF-57 (2-10-10)	2/10/2010	
LB12007	AF-58 (2-11-10)	2/11/2010	
LB12007	AF-68 (2-10-10)	2/10/2010	
LB12007	AF-69 (2-10-10)	2/10/2010	
LB12007	DUP-1 (021010)	2/10/2010	AF-55 (2-10-10)
LB12007	MW-12D (2-11-10)	2/11/2010	
LB12007	MW-12S (2-11-10)	2/11/2010	
LB12007	MW-2D (2-11-10)	2/11/2010	
LB12007	MW-2S(2-11-10)	2/11/2010	
LB12007	MW-3D	2/11/2010	
LB12007	MW-3S	2/11/2010	
LB12007	MW-7D (2-11-10)	2/11/2010	
LB12007	MW-7S (2-11-10)	2/11/2010	
LB12007	Trip Blank (021110)	2/11/2010	
LB18061	AT-MW-1 (2-17-10)	2/17/2010	
LB18061	AT-MW-2 (2-17-10)	2/17/2010	
LB18061	AT-MW-3 (2-17-10)	2/17/2010	
LB18061	AT-MW-4 (2-17-10)	2/17/2010	
LB18061	AT-MW-5 (2-17-10)	2/17/2010	
LB18061	DUP-2 (021710)	2/17/2010	AT-MW-3 (2-17-10)
LB18061	MW-13D (2-16-10)	2/16/2010	
LB18061	MW-13S (2-16-10)	2/16/2010	
LB18061	MW-15S (2-19-10)	2/19/2010	
LB18061	MW-16S (2-17-10)	2/17/2010	
LB18061	MW-5D (2-16-10)	2/16/2010	
LB18061	MW-5S (2-16-10)	2/16/2010	
LB18061	MW-8D (2-16-10)	2/16/2010	
LB18061	MW-8S (2-16-10)	2/16/2010	
LB18061	MW-9D (2-16-10)	2/16/2010	
LB18061	MW-9S (2-16-10)	2/16/2010	
LB18061	TRIP BLANK2 (021810)	2/18/2010	



**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: LB12007 and LB18061
HAA-17**

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: LB12007 and LB18061
HAA-17

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		DQM		DQM
B. MS duplicate (MSD) %R		DQM		DQM
C. MS/MSD precision (RPD)	DQM		DQM	
7. Field Duplicate precision (RPD)	DQM		DQM	

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

RPD - relative percent difference

Comments:

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

2. Several samples required dilutions due to elevated concentrations of target analytes. There were elevated reporting limits for non-detect results.
- 3C. SDG (LB12007 and LB18061) The compound acetone was detected in the trip blank. The associated field samples were qualified as non-detect for acetone if the sample results were less than ten times the blank result.

SDG (LB18061) The compound styrene was detected in the trip blank. The associated field samples were non-detect for this compound; therefore, qualification of the data is not warranted.
- 5A. SDG (LB18061) The recovery of dichlorodifluoromethane was below the control limit in the LCS for batch 28053. The associated field samples analyzed in this analytical batch were qualified as estimated for this compound.
- 5B. SDG (LB12007) The recoveries of dichlorodifluoromethane and trichlorofluoromethane were below the control limit in the LCSD for batch 27687. The associated field samples analyzed in this analytical batch were qualified as estimated for these compounds.

SDG (LB12007) The recovery of dichlorodifluoromethane was below the control limit in the LCSD for batch 27741. The associated field samples analyzed in this analytical batch were qualified as estimated for this compound.

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: LB12007 and LB18061
HAA-17

SDG (LB18061) The recovery of the compound bromoform was below the control limit in the LCSD for batch 28053. The associated field samples analyzed in this analytical batch were qualified as estimated for this compound.

- 5C. SDG (LB12007) The RPD between the LCS/LCSD pair was above the control limit for carbon tetrachloride, cyclohexane, dichlorodifluoromethane, 1,1,2-trichloro-1,2,2-trifluoroethane. The associated field samples analyzed in this analytical batch were qualified as estimated for these compounds.

SDG (LB18061) The RPD between the LCS/LCSD pair was above the control limit for acetone, bromoform and dichlorodifluoromethane. The associated field samples analyzed in this analytical batch were qualified as estimated for these compounds.

6. SDG (LB12007) Sample location AF-57 (2-10-10) was used as the MS/MSD. The recoveries of several compounds were below the control limit in the MS and the MSD. The parent sample was qualified as estimated for these compounds. See the attached qualification summary for details of the qualifications.

SDG (LB12007) Sample location MW-2S(2-11-10) was used as the MS/MSD. The recoveries and RPDs were acceptable.

7. SDG (LB12007) Sample location DUP-1 was collected as a field duplicate of AF-55(2-10-10). The RPDs were acceptable at less than 40%.

SDG (LB18061) Sample location DUP-2(021710) was collected as a field duplicate of AT-MW-3(2-17-10). The RPDs were acceptable at less than 40%.

**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: LB12007 and LB18061
HAA-17**

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)	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.

6. SDG (LB18061) Sample location DUP-2(021710) was collected as a field duplicate of AT-MW-3(2-17-10). The RPDs were acceptable at less than 40%.



**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDGs: LE28018
HAA-17**

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 and Test America – Savannah Laboratories. 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.

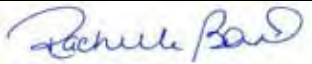
The attached table summarizes the data that were qualified due to QC deficiencies. The table indicates compounds/analytes qualified based on electronic and manual validation. Refer to the associated method section of the validation checklist for a detailed explanation of qualification. All other data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



**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDGs: LE28018
HAA-17**

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	06/16/10
REVIEW PERFORMED BY:	Rachelle Borne	06/16/10
SIGNATURE:		06/17/10
PEER REVIEW:	Dennis Capria	06/20/10



**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDGs: LE28018
HAA-17**

The following samples were included in this SDG:

SDG	Sample ID	Sample Date	Parent Sample
LE28018	H17-DUP-1 (052510)	05/25/10	H17-MW-19S (052510)
LE28018	H17-MW-17D (052510)	05/25/10	
LE28018	H17-MW-17S (052510)	05/25/10	
LE28018	H17-MW-18D (052510)	05/25/10	
LE28018	H17-MW-19S (052510)	05/25/10	
LE28018	H17-MW-20D (052510)	05/25/10	
LE28018	H17-MW-21D (052510)	05/25/10	
LE28018	H17-MW-21S (052510)	05/25/10	
LE28018	H17-MW-22D (052510)	05/25/10	
LE28018	H17-MW-22S (052510)	05/25/10	
LE28018	TB-01 (052510)	05/25/10	



**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDGs: LE28018
HAA-17**

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
SDGs: LE28018
HAA-17

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	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
Qualification Module

RPD - relative percent difference DQM – Data

Comments:

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

2. No dilutions were required.
5. The recovery of the compound dichlorodifluoromethane was above the control limit in the LCS and the LCSD for batch 34942. The associated field samples were non-detect for this compound; therefore, qualification of the data is not warranted.
7. Sample location H17-DUP-1(052510) was collected as a field duplicate of H-17-MW-19S(052510). The RPDs were acceptable at less than 40%.



HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDGs: LF12005
HAA-17

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 and Test America – Savannah Laboratories. 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.

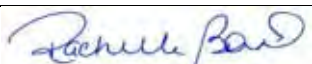
The attached table summarizes the data that were qualified due to QC deficiencies. The table indicates compounds/analytes qualified based on electronic and manual validation. Refer to the associated method section of the validation checklist for a detailed explanation of qualification. All other data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



HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDGs: LF12005
HAA-17

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	07/23/10
REVIEW PERFORMED BY:	Rachelle Borne	07/23/10
SIGNATURE:		07/26/10
PEER REVIEW:	Dennis Capria	07/26/10



**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDGs: LF12005
HAA-17**

The following samples were included in this SDG:

SDG	Sample ID	Sample Date	Parent Sample
LF12005	H17-SED-01 (061110)	07/10/11	
LF12005	H17-SED-02 (061110)	07/10/11	
LF12005	H17-SED-03 (061110)	07/10/11	
LF12005	H17-SW-01 (061110)	07/10/11	
LF12005	H17-SW-02 (061110)	07/10/11	
LF12005	H17-SW-03 (061110)	07/10/11	
LF12005	TRIP BLANK(061110)	07/10/11	

**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDGs: LF12005
HAA-17**

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
SDGs: LF12005
HAA-17

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
Qualification Module

RPD - relative percent difference DQM – Data

Comments:

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

2. No dilutions were required.
- 3A. The compounds cyclohexane, 2-hexanone and methyl acetate were detected in the method blank for batch 32956. The associated field samples were qualified as non-detect for these compounds if the sample concentrations were less than five times the blank values.

The compound 1,2,4-trichlorobenzene was detected in the method blank for batch 35838. The associated field samples were non-detect for this compound. No qualification is warranted.
- 3C. The compound acetone was detected in the trip blank. The associated field samples were qualified as non-detect for acetone if the sample concentration was less than ten times the blank value.
5. The recoveries of the compounds carbon disulfide, chloromethane and 1,1,2-trichloro-1,2,2-trifluoromethane were above the control limit in the LCS for batch 32956. The associated field sample was non-detect for these compounds; therefore, qualification of the data was not warranted. The RPDs between the LCS/LCSD pair were above the control limit for several compounds. The associated field sample was qualified as estimated for these compounds. See the attached qualification summary for details of the qualifications.

The recoveries of 1,1,2-trichloro-1,2,2-trifluoromethane and carbon disulfide were above the control limit in the LCSD for batches 35766 and 35990. The associated field samples were non-detect for these compounds; therefore, qualification of the data was not warranted. The RPDs between the LCS/LCSD pair were above the control limit for several compounds. The associated field samples



HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDGs: LF12005
HAA-17

were qualified as estimated for these compounds. See the attached qualification summary for details of the qualifications.

The recovery of the compound methyl acetate was above the control limit in the LCS for batch 35838. The associated field samples were non-detect for this compound. No qualification is warranted.



**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDGs: MK19010 and ML14008
HAA-17**

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 and Test America – Savannah Laboratories. 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
SDGs: MK19010 and ML14008
HAA-17**

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	02/02/12
REVIEW PERFORMED BY:	Rachelle Borne	02/02/12
SIGNATURE:		02/02/12
PEER REVIEW:	Dennis Capria	02/13/12



**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDGs: MK19010 and ML14008
HAA-17**

The following samples were included in this SDG:

SDG	Sample ID	Sample Date	Parent Sample
MK19010	H17-AF-53(111811)	11/18/11	
MK19010	H17-AF-70(111811)	11/18/11	
MK19010	H17-AF-71(111811)	11/18/11	
MK19010	Trip Blank(111811)	11/18/11	
ML14008	H17-MA-23D(121211)	12/12/11	
ML14008	Trip Blank(121211)	12/12/11	



HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDGs: MK19010 and ML14008
HAA-17

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
SDGs: MK19010 and ML14008
HAA-17

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	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 8260B.

- 3C. SDG (MK19010) The compound cis-1,2-dichloroethene was detected in the trip blank. The associated field samples were either non-detect or greater than five times the blank value; therefore, qualification of the data was not warranted.
- 5C. SDG (ML14008) The RPD between the LCS/LCSD pair was above the control limit for bromomethane. The field sample was qualified as estimated for bromomethane.
- 6A. SDG (ML14008) Sample H17-MW-23D(121211) was used as the MS. The recoveries were acceptable.



**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: ML16013
HAA-17**

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 and Test America – Savannah Laboratories. 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: ML16013
HAA-17**

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	02/02/12
REVIEW PERFORMED BY:	Rachelle Borne	02/02/12
SIGNATURE:		02/02/12
PEER REVIEW:	Dennis Capria	2/13/12



**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: ML16013
HAA-17**

The following samples were included in this SDG:

SDG	Sample ID	Sample Date	Parent Sample
ML16013	H17-MW-25D(121411)	12/14/11	
ML16013	H17-MW-26S(121411)	12/14/11	
ML16013	H17-MW-26D(121411)	12/14/11	
ML16013	Trip Blank(121411)	12/14/11	



**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: ML16013
HAA-17**

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: ML16013
HAA-17**

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
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.

No qualification necessary.



**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: ML23011
HAA-17**

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:

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

Manual review was performed for the following items:

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

Data was generated by Shealy Environmental Services, Inc. – West Columbia, South Carolina and Test America – Savannah Laboratories. 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: ML23011
HAA-17**

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	02/02/12
REVIEW PERFORMED BY:	Rachelle Borne	02/02/12
SIGNATURE:		02/02/12
PEER REVIEW:	Dennis Capria	02/13/12



**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: ML23011
HAA-17**

The following samples were included in this SDG:

SDG	Sample ID	Sample Date	Parent Sample
ML23011	H17-AF-72(122011)	12/20/11	
ML23011	Trip Blank(122011)	12/20/11	

**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: ML23011
HAA-17**

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: ML23011
HAA-17

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
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.

The samples were received by the laboratory at 9.0 degrees C. All samples were qualified as estimated for all VOC compounds.



**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: NA06002
HAA-17**

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:

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

Manual review was performed for the following items:

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

Data was generated by Shealy Environmental Services, Inc. – West Columbia, South Carolina and Test America – Savannah Laboratories. 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: NA06002
HAA-17**

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	02/02/12
REVIEW PERFORMED BY:	Rachelle Borne	02/02/12
SIGNATURE:		02/02/12
PEER REVIEW:	Dennis Capria	02/13/12



**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: NA06002
HAA-17**

The following samples were included in this SDG:

SDG	Sample ID	Sample Date	Parent Sample
NA06002	Trip Blank(010512)	01/05/12	
NA06002	H17-MW-27S(010512)	01/05/12	
NA06002	H17-MW-27D(010512)	01/05/12	
NA06002	H17-MW-29D(010512)	01/05/12	
NA06002	H17-MW-24(010512)	01/05/12	



**HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: NA06002
HAA-17**

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: NA06002
HAA-17

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
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.

5. The recoveries of bromomethane, chloromethane and vinyl chloride were above the control limit in the MS and the MSD. The associated field samples were non-detect for these compounds; therefore, qualification of the data was not warranted.



Borehole and Well Construction Log

Project: HAA-17

Page 1 of 2

Project No. GP08HAFS.H17B.DG0FI

Site Location Savannah, GA

Well ID H17-MW-17D
Date Begin 4/20/2010
Date End 5/6/2010

Contractor/Driller ARM
Rig Type Geoprobe/CME 45
Method Hollow Stem Auger with DPT Lithology

Total Depth Drilled 45
Sample Method/Size DPT
Cutting Disposal Drum

Well Construction Log		Borehole Log	
	Depth (ft)	Description	PI (ppm)
Boring Dia. 8" Construction Intervals (ft BGS) Riser: 0-32 Screen: 32-42 Surf. Seal: 0-28 Seal: 28-30 Filter Pack: 30-42 Backfill: None Materials Riser: 2" Sch. 40 PVC Screen: 10-slot PVC Surf. Seal: Cement/Grout Seal: Bentonite Filter Pack: #2 Sand Backfill: None Surface Completion Protection: Flush Mount Manhole Pad: 2' X 2' Concrete Lock: Locking Cap Date/Time: 5/6/2010 ARCADIS G&M Personnel Field Work: JDF/CCF Log Draft: JDF/CCF Symbols Grout: Bentonite: Sand: Gravel: Backfill: X <td>0</td> <td>Grass Surface</td> <td>0.0</td>	0	Grass Surface	0.0
	1	10 YR 6/2 light grayish brown silty well sorted fine sand and angular gravel, concrete fragments/fill	0.0
	2		
	3	7.5 YR 6/6 reddish yellow silty well sorted fine sand	0.0
	4		
	5		0.0
	6	10 YR 7/2 light gray silty well sorted fine sand, wet	
	7		0.0
	8		0.0
	9		
	10		0.0
	11		
	12		0.0
	13		
	14		0.0
	15		
	16		0.0
	17		
	18	10 YR 7/1 light gray and 10 YR 6/6 brownish yellow medium firm high plasticity clay	0.0
	19		
	20	10 YR 6/6 brownish yellow sandy moderate plasticity clay	0.0
	21		
	22		0.0
	23		
	24	10 YR 8/1 white silty well sorted fine sand	0.0
	25		



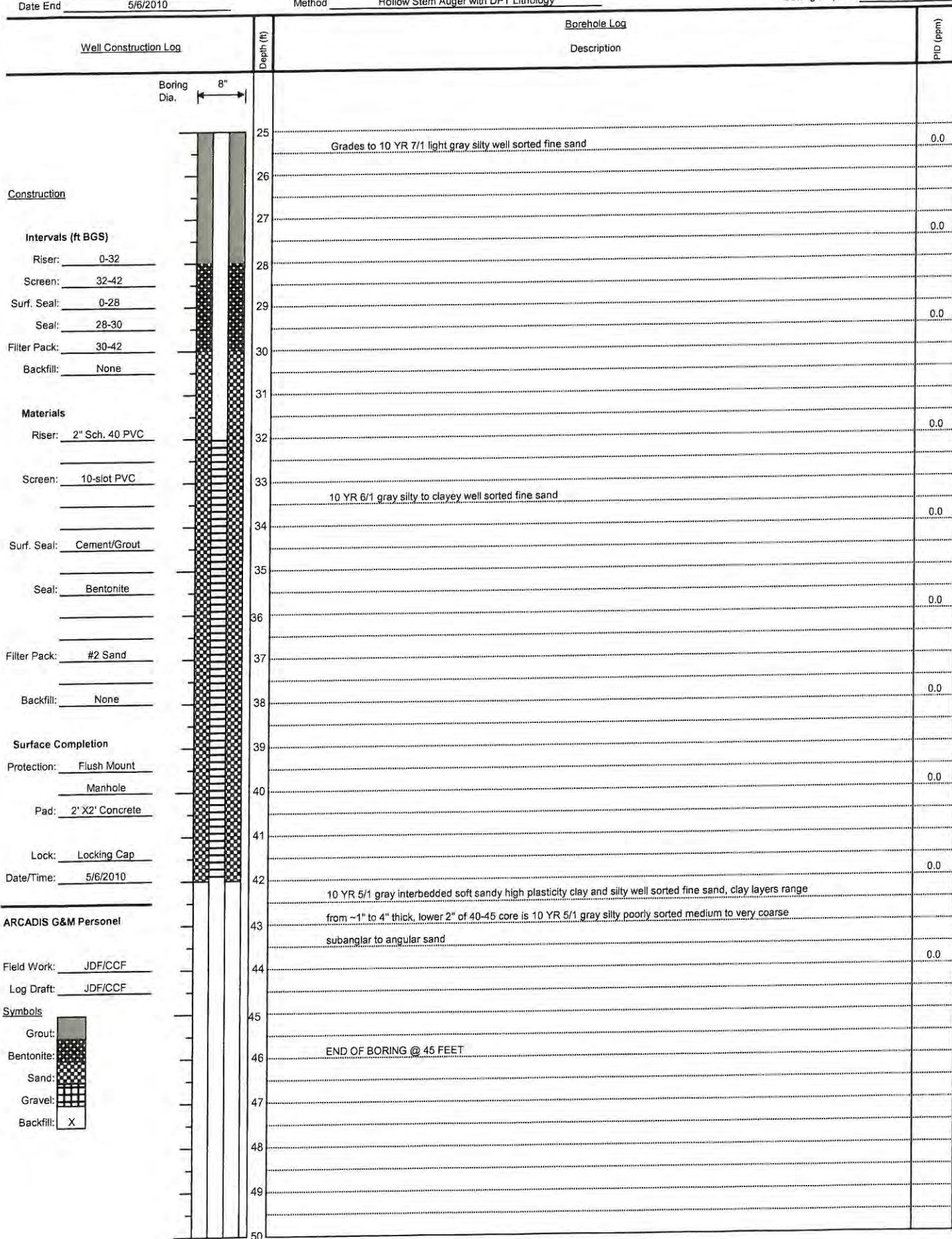
Borehole and Well Construction Log

Well ID H17-MW-17D
Date Begin 4/20/2010
Date End 5/6/2010

Contractor/Driller ARM
Rig Type Geoprobe/CME 45
Method Hollow Stem Auger with DPT Lithology

Project: HAA-17
Project No. GP08HAFS.H17B.DG0FI

Page 2 of 2
Site Location Savannah, GA
Total Depth Drilled 45
Sample Method/Size DPT
Cutting Disposal Drum





Borehole and Well Construction Log

Project: HAA-17

Page 1 of 1

Project No. GP08HAFS.H17B.DG0F1

Site Location Savannah, GA

Well ID H17-MW-17S
Date Begin 4/20/2010
Date End 4/23/2010

Contractor/Driller ARM
Rig Type Geoprobe/CME 45
Method Hollow Stem Auger with DPT Lithology

Total Depth Drilled 18
Sample Method/Size DPT
Cutting Disposal Drum

Well Construction Log		Depth (ft)	Borehole Log	PID (ppm)
			Description	
Boring Dia. 8"		0	See H17-MW-17D for Lithology	
Construction		1		
Intervals (ft BGS)		2		
Riser: 0-8		3		
Screen: 8-18		4		
Surf. Seal: 0-4		5		
Seal: 4-6		6		
Filter Pack: 6-18		7		
Backfill: None		8		
Materials		9		
Riser: 2" Sch. 40 PVC		10		
Screen: 10-slot PVC		11		
Surf. Seal: Cement Grout		12		
Seal: Bentonite		13		
Filter Pack: #2 Sand		14		
Backfill: None		15		
Surface Completion		16		
Protection: Flush Mount		17		
Manhole		18		
Pad: 2' X 2' Concrete		19		
Lock: Locking Cap		20		
Date/Time: 4/23/2010		21		
ARCADIS G&M Personnel		22		
Field Work: JDF/CCF		23		
Log Draft: JDF/CCF		24		
Symbols		25		
Grout: [Pattern]				
Bentonite: [Pattern]				
Sand: [Pattern]				
Gravel: [Pattern]				
Backfill: X				



Borehole and Well Construction Log

Project: HAA-17

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Project No. GP08HAFS.H17B.DG0FI

Site Location Savannah, GA

Well ID H17-MW-18D
Date Begin 4/19/2010
Date End 5/5/2010

Contractor/Driller ARM
Rig Type Geoprobe/CME 45
Method Hollow Stem Auger with DPT Lithology

Total Depth Drilled 45
Sample Method/Size DPT
Cutting Disposal Drum

Well Construction Log		Borehole Log	
		Depth (ft)	PID (ppm)
		Description	
Boring Dia. 8"		0	Grass Surface
		1	10 YR 7/3 very pale brown silty well sorted fine sand
		2	
		3	10 YR 2/1 black silty well sorted fine sande
		4	10 YR 3/1 very dark gray silty well sorted fine sand
		5	10 YR 7/4 very pale brown silty well sorted fine sand
		6	10 YR 5/2 grayish brown silty well sorted fine sand
		7	10 YR 3/2 very dark grayish brown silty well sorted fine sand
		8	7.5 YR 3/4 dark brown silty well sorted fine sand
		9	
		10	10 YR 6/3 pale brown silty well sorted fine sand, grades to 10 YR 7/1 light gray silty well sorted fine sand
		11	
		12	
		13	
		14	
		15	10 YR 7/1 light gray silty well sorted fine sand ~1 inch thick lens of 10 YR 7/2 micaceous (some muscovite)
		16	silty well sorted fine sand @ 17'
		17	
		18	
		19	5 GY 8/1 light greenish gray silty well sorted fine sand
		20	10 YR 5/1 gray silty well sorted fine sand
		21	
		22	
		23	
		24	~1" thick very soft sandy moderate plasticity clayey lens @ 24' (10 YR 5/1 gray)
		25	

Construction

Intervals (ft BGS)

Riser: 0-30

Screen: 30-40

Surf. Seal: 0-25

Seal: 25-27

Filter Pack: 27-40

Backfill: None

Materials

Riser: 2" Sch. 40 PVC

Screen: 10-slot PVC

Surf. Seal: Cement/Grout

Seal: Bentonite

Filter Pack: #2 Sand

Backfill: None

Surface Completion

Protection: Flush Mount

Manhole

Pad: 2' X 2' Concrete

Lock: Locking Cap

Date/Time: 5/5/2010

ARCADIS G&M Personnel

Field Work: JDF/CCF

Log Draft: JDF/CCF

Symbols

Grout: [Symbol]

Bentonite: [Symbol]

Sand: [Symbol]

Gravel: [Symbol]

Backfill: X



Borehole and Well Construction Log

Project: HAA-17

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Project No. GP08HAFS.H17B.DG0FI

Site Location Savannah, GA

Well ID H17-MW-18D
Date Begin 4/19/2010
Date End 5/5/2010

Contractor/Driller ARM
Rig Type Geoprobe/CME 45
Method Hollow Stem Auger with DPT Lithology

Total Depth Drilled 45
Sample Method/Size DPT
Cutting Disposal Drum

Well Construction Log		Depth (ft)	Borehole Log	PID (ppm)
			Description	
Boring Dia. 8"		25	10 YR 5/1 gray silty well sorted fine sand	
Construction		26		0.0
Intervals (ft BGS)		27		
Riser: 0-30		28		0.0
Screen: 30-40		29		
Surf. Seal: 0-25		30		0.0
Seal: 25-27		31		
Filter Pack: 27-40		32		0.0
Backfill: None		33		
Materials		34		0.0
Riser: 2" Sch. 40 PVC		35		
Screen: 10-slot PVC		36		0.0
Surf. Seal: Cement/Grout		37		
Seal: Bentonite		38		0.0
Filter Pack: #2 Sand		39		
Backfill: None		40		0.0
Surface Completion		41		
Protection: Flush Mount		42		
Manhole		43		
Pad: 2' X 2' Concrete		44		0.0
Lock: Locking Cap		45		
Date/Time: 5/5/2010		46	10 YR 5/1 gray interbedded soft high plasticity sandy clay and silty well sorted fine sand	
ARCADIS G&M Personnel		47		
Field Work: JDF/CCF		48	10 YR 5/1 gray silty poorly sorted medium to very coarse angular sand	
Log Draft: JDF/CCF		49		
Symbols		50	END OF BORING @45 FEET	
Grout: [Pattern]				
Bentonite: [Pattern]				
Sand: [Pattern]				
Gravel: [Pattern]				
Backfill: X				

Borehole and Well Construction Log

Project: HAA-17Page 1 of 1

Project No. GP08HAGS.H17B.DG0FI

Site Location Savannah, GA

Well ID	H17-MW-19S
Date Begin	4/19/2010
Date End	4/20/2010

Contractor/Driller	ARM
Rig Type	Geoprobe/CME 45
Method	Hollow Stem Auger with DPT Lithology

Total Depth Drilled	20
Sample Method/Size	DPT
Cutting Disposal	Drum

[illegible]

Borehole and Well Construction Log

Project: HAA-17

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Project No. GP08HAFS.H17B.DG0FI

Site Location Savannah, GA

Well ID	H17-MW-20D
Date Begin	4/20/2010
Date End	5/11/2010

Contractor/Driller	ARM
Rig Type	Geoprobe/CME 45
Method	Hollow Stem Auger with DPT Lithology

Total Depth Drilled	45
Sample Method/Size	DPT
Cutting Disposal	Drum

Well Construction Log		Borehole Log	PID (ppm)
	Depth (ft)	Description	
Boring Dia. 8"		Grass Surface	
		10 YR 4/3 brown silty well sorted fine sand	0.0
		10 YR 4/3 brown sandy medium firm high plasticity clay	0.0
		10 YR 7/2 light gray clayey well sorted fine sand, trace muscovite	0.0
			0.0
		10 YR 6/1 gray sandy moderate plasticity clay (soft), wood fragments, trace muscovite, grades to 10 YR 6/1 gray clayey poorly sorted fine to medium sand, subangular, some muscovite	0.0
			0.0
			0.0
		10 YR 6/1 gray clayey poorly sorted fine to medium sand, some muscovite	0.0
			0.0
			0.0
			0.0
		10 YR 5/1 gray medium firm high plasticity clay, some highly weathered white shell material	0.0



Borehole and Well Construction Log

Project: HAA-17
Project No. GP08HAFS.H17B.DG0FI

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Site Location Savannah, GA

Well ID H17-MW-20D
Date Begin 4/20/2010
Date End 5/11/2010

Contractor/Driller ARM
Rig Type Geoprobe/CME 45
Method Hollow Stem Auger with DPT Lithology

Total Depth Drilled 45
Sample Method/Size DPT
Cutting Disposal Drum

Well Construction Log		Borehole Log	
	Depth (ft)	Description	PID (ppm)
Boring Dia. 8"			
Construction Intervals (ft BGS) Riser: 0-18 Screen: 18-28 Surf. Seal: 0-14 Seal: 14-16 Filter Pack: 16-28 Backfill: None Materials Riser: 2" Sch. 40 PVC Screen: 10-slot PVC Surf. Seal: Cement/Grout Seal: Bentonite Filter Pack: #2 Sand Backfill: None Surface Completion Protection: Stick-up Cover Pad: 2' X 2' Concrete Lock: Locking Stickup Date/Time: 5/11/10	25		
	26		0.0
	27		
	28	10 YR 5/1 gray interbedded soft high plasticity clay and silty poorly sorted medium to very coarse	0.0
	29	subangular sand	
	30		0.0
	31	10 YR 5/1 gray silty poorly sorted medium to very coarse subangular sand	
	32		0.0
	33		
	34		0.0
	35		
	36		0.0
	37		
	38		0.0
	39		
	40		0.0
	41		
	42		0.0
	43		
	44		0.0
	45	END OF BORING @ 45 FEET	
	46		
	47		
	48		
	49		
	50		

ARCADIS G&M Personnel

Field Work: JDF/CCF
Log Draft: JDF/CCF

Symbols

Grout: 
Bentonite: 
Sand: 
Gravel: 
Backfill: X

Borehole and Well Construction Log

Project: HAA-17

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Project No. GP08HAFS.H17B.DG0FI

Site Location Savannah, GA

Well ID	H17-MW-21D
Date Begin	4/20/2010
Date End	5/11/2010

Contractor/Driller	ARM
Rig Type	Geoprobe/CME 45
Method	Hollow Stem Auger with DPT Lithology

Total Depth Drilled	45
Sample Method/Size	DPT
Cutting Disposal	Drum

Well Construction Log		Borehole Log	PID (ppm)
	Depth (ft)	Description	
Construction			
Intervals (ft BGS)			
Riser:	0-25		
Screen:	25-35		
Surf. Seal:	0-19		
Seal:	19-23		
Filter Pack:	23-35		
Backfill:	None		
Materials			
Riser:	2" Sch. 40 PVC		
Screen:	10-slot PVC		
Surf. Seal:	Cement/Grout		
Seal:	Bentonite		
Filter Pack:	#2 Sand		
Backfill:	None		
Surface Completion			
Protection:	Flush Mount		
	Manhole		
Pad:	2' X 2' Concrete		
Lock:	Locking Cap		
Date/Time:	5/11/2010		
ARCADIS G&M Personnel			
Field Work:	JDF/CCF		
Log Draft:	JDF/CCF		
Symbols			
Grout:	[Pattern]		
Bentonite:	[Pattern]		
Sand:	[Pattern]		
Gravel:	[Pattern]		
Backfill:	X		
	8"		
	Boring Dia.		
	0	Grass Surface	
	1	10 YR 7/2 light grass silty well sorted fine sand	0.0
	2	7.5 YR 6/6 reddish yellow silty well sorted fine sand	
	3	10 YR 5/2 grayish brown silty well sorted fine sand	
	4		0.0
	5	10 YR 7/2 light gray silty well sorted fine sand with reddish yellow mottling	0.0
	6	10 YR 7/2 light gray to 10 YR 6/8 brownish yellow silty well sorted fine sand	
	7		0.0
	8		0.0
	9	10 YR 6/1 gray clayey well sorted fine sand, slight plasticity	
	10		0.0
	11		
	12	Same as above with shell fragments from 11-13'	0.0
	13		
	14		0.0
	15	10 YR 4/3 dark brown clayey well sorted fine sand	
	16	10 YR 2/3 very dark soft high plasticity clay, wood fragments @ 17.5'	0.0
	17		
	18	10 YR 6/1 gray clayey well sorted fine sand	0.0
	19		
	20	10 YR 6/1 gray silty well sorted fine sand	0.0
	21		
	22		0.0
	23		
	24		0.0
	25	10 YR 6/1 gray clayey poorly sorted fine to medium sub angular sand	



Borehole and Well Construction Log

Project: HAA-17
Project No. GP08HAFS.H17B.DG0FI

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Site Location Savannah, GA

Well ID H17-MW-21D
Date Begin 4/20/2010
Date End 5/11/2010

Contractor/Driller ARM
Rig Type Geoprobe/CME 45
Method Hollow Stem Auger with DPT Lithology

Total Depth Drilled 45
Sample Method/Size DPT
Cutting Disposal Drum

Well Construction Log		Borehole Log	
	Depth (ft)	Description	PID (ppm)
Boring Dia. 8" Construction Intervals (ft BGS) Riser: 0-25 Screen: 25-35 Surf. Seal: 0-19 Seal: 19-23 Filter Pack: 23-35 Backfill: None Materials Riser: 2" Sch. 40 PVC Screen: 10-slot PVC Surf. Seal: Cement/Grout Seal: Bentonite Filter Pack: #2 Sand Backfill: None Surface Completion Protection: Flush Mount Manhole Pad: 2' X 2' Concrete Lock: Locking Cap Date/Time: 5/11/2010 ARCADIS G&M Personnel Field Work: JDF/CCF Log Draft: JDF/CCF Symbols Grout: [Pattern] Bentonite: [Pattern] Sand: [Pattern] Gravel: [Pattern] Backfill: X	25		
	26		0.0
	27		
	28		0.0
	29	10 YR 6/1 gray soft moderate plasticity sandy clay with shell fragments	
	30		0.0
	31	10 YR 6/1 gray silty poorly sorted fine to coarse subangular sand	
	32		0.0
	33		
	34		0.0
	35	10 YR 6/1 gray soft moderate plasticity sandy clay with shell fragments	
	36	10 YR 6/1 gray silty to clayey fine well sorted sandy ~2" thick lens of 10 YR 6/1 gray silty, poorly sorted subangular sand @ 38.5', trace muscovite	0.0
	37		
	38		0.0
	39		
	40		0.0
	41		
	42		0.0
	43		
	44		0.0
	45	END OF BORING @ 45 FEET	
	46		
	47		
	48		
	49		
	50		



Borehole and Well Construction Log

Project: HAA-17

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Project No. GP08HAFS.H17B.DG0FI

Site Location Savannah, GA

Well ID H17-MW-21S
Date Begin 4/20/2010
Date End 4/22/2010

Contractor/Driller ARM
Rig Type Geoprobe/CME 45
Method Hollow Stem Auger with DPT Lithology

Total Depth Drilled 17
Sample Method/Size DPT
Cutting Disposal Drum

Well Construction Log		Depth (ft)	Borehole Log	PID (ppm)
			Description	
		0	See H17-MW-21D for Lithology	
		1		
		2		
		3		
		4		
		5		
		6		
		7		
		8		
		9		
		10		
		11		
		12		
		13		
		14		
		15		
		16		
		17	END OF BORING @17 FEET	
		18		
		19		
		20		
		21		
		22		
		23		
		24		
		25		

Construction

Intervals (ft BGS)

Riser: 0-7

Screen: 7-17

Surf. Seal: 0-4

Seal: 4-6

Filter Pack: 6-17

Backfill: None

Materials

Riser: 2" Sch. 40 PVC

Screen: 10-slot PVC

Surf. Seal: Cement/Grout

Seal: Bentonite

Filter Pack: #2 Sand

Backfill: None

Surface Completion

Protection: Flush Mount

Manhole

Pad: 2' X 2' Concrete

Lock: Locking Cap

Date/Time: 4/22/2010

ARCADIS G&M Personnel

Field Work: JDF/CCF

Log Draft: JDF/CCF

Symbols

Grout:

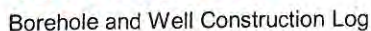
Bentonite:

Sand:

Gravel:

Backfill:

Boring Dia. 8"



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Site Location Savannah, GA

Contractor/Driller	ARM
Rig Type	Geoprobe/CME 45
Method	Mud Rotary with DPT Lithology

Total Depth Drilled	40
Sample Method/Size	DPT
Cutting Disposal	Drum

Well Construction Log		Borehole Log	
		Depth (ft)	Description
Boring Dia. 8"		0	Grass Surface
		1	10 YR 5/2 grayish brown silty well sorted fine sand
		2	
		3	5 GY b/1 light greenish gray and 10 YR 6/6 brownish yellow sandy medium firm moderate plasticity
		4	clay
		5	
		6	10 YR 6/3 pale brown silty well sorted fine sand
		7	
		8	10 YR 7/1 light gray silty well sorted fine sand, trace muscovite
		9	
		10	
		11	
		12	10 YR 6/1 gray sandy soft to medium firm high plasticity clay, shell material
		13	
		14	10 YR 3/3 dark brown clayey well sorted fine sand, slightly cohesive
		15	
		16	
		17	10 YR 4/3 brown medium firm high plasticity clay
		18	10 YR 6/1 gray clayey well sorted medium subangular sand
		19	10 YR 6/1 gray interbedded soft sandy high plasticity clay and clayey well sorted fine sand
		20	10 YR 5/1 gray silty poorly sorted medium to coarse sub rounded sand
		21	
		22	1- YR 5/1 gray medium firm high plasticity clay with shell material
		23	
		24	10 YR 5/1 gray soft clay and poorly sorted medium to coarse subangular sand, high plasticity, trace muscovite
		25	



Borehole and Well Construction Log

Project: HAA-17

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Project No. GP08HAFS.H17B.DG0FI

Site Location Savannah, GA

Well ID H17-MW-22D
Date Begin 4/20/2010
Date End 5/5/2010

Contractor/Driller ARM
Rig Type Geoprobe/CME 45
Method Mud Rotary with DPT Lithology

Total Depth Drilled 40
Sample Method/Size DPT
Cutting Disposal Drum

Well Construction Log		Borehole Log	
	Depth (ft)	Description	PID (ppm)
Boring Dia. 8"			
Construction Intervals (ft BGS) Riser: 0-25 Screen: 25-35 Surf. Seal: 0-20 Seal: 20-23 Filter Pack: 23-35 Backfill: None Materials Riser: 2" Sch. 40 PVC Screen: 10-slot PVC Surf. Seal: Cement/Grout Seal: Bentonite Filter Pack: #2 Sand Backfill: None Surface Completion Protection: Flush Mount Manhole Pad: 2' x 2' Concrete Lock: Locking Cap Date/Time: 5/5/2010 ARCADIS G&M Personnel Field Work: JDF/CCF Log Draft: JDF/CCF Symbols Grout: Bentonite: Sand: Gravel: Backfill: X	25	10 YR 5/1 gray silty poorly sorted medium to very coarse subangular sand	0.0
	26		
	27	10 YR 5/1 gray soft clay and well sorted fine sand, cohesive, slight plasticity	0.0
	28		
	29		
	30		
	31	10 YR 5/1 gray soft to medium firm high plasticity clay, sandy, ~3" thick lens of silty poorly sorted medium	0.0
	32	to coarse subangular sand and wood fragments @ 34.5'	
	33		
	34		0.0
	35		
	36		0.0
	37		
	38		
	39	10 GY 7/1 light greenish gray very firm slight plasticity clay	0.0
	40	END OF BORING @ 40 FEET	
	41		
	42		
	43		
	44		
	45		
	46		
	47		
	48		
	49		
	50		



Borehole and Well Construction Log

Project: HAA-17

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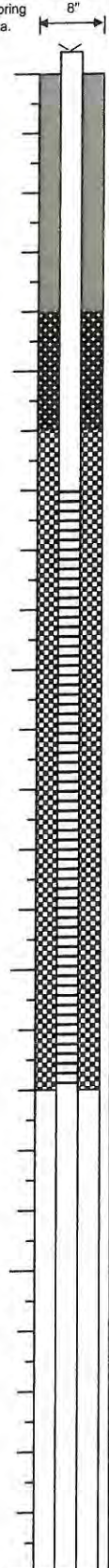
Project No. GP08HAFS.H17B.DG0FI

Site Location Savannah, GA

Well ID H17-MW-22S
Date Begin 4/20/2010
Date End 4/21/2010

Contractor/Driller ARM
Rig Type Geoprobe/CME 45
Method Hollow Stem Auger with DPT Lithology

Total Depth Drilled 17
Sample Method/Size DPT
Cutting Disposal Drum

Well Construction Log		Depth (ft)	Borehole Log	PID (ppm)
			Description	
Boring Dia. 8" 		0	See H17-MW-22D for Lithology	
Construction		1		
Intervals (ft BGS)		2		
Riser: 0-7		3		
Screen: 7-17		4		
Surf. Seal: 0-4		5		
Seal: 4-6		6		
Filter Pack: 6-17		7		
Backfill: None		8		
Materials		9		
Riser: 2" Sch. 40 PVC		10		
Screen: 10-slot PVC		11		
Surf. Seal: Cement/Grout		12		
Seal: Bentonite		13		
Filter Pack: #2 Sand		14		
Backfill: None		15		
Surface Completion		16		
Protection: Flush Mount		17	END OF BORING @17 FEET	
Manhole		18		
Pad: 2' X 2' Concrete		19		
Lock: Locking Cap		20		
Date/Time: 4/21/2010		21		
ARCADIS G&M Personnel		22		
Field Work: JDF/CCF		23		
Log Draft: JDF/CCF		24		
Symbols		25		
Grout: [Pattern]				
Bentonite: [Pattern]				
Sand: [Pattern]				
Gravel: [Pattern]				
Backfill: X				



Borehole and Well Construction Log

Well ID _____
Date Begin _____
Date End _____

Contractor/Driller _____
Rig Type _____
Method _____

Project _____
Project No. _____

Page 2 of _____
Site Location _____
Total Depth Drilled _____
Sample Method/Size _____
Cutting Disposal _____

Well Construction Log		Depth (ft)	Spl Run	Class	Borehole Log	Ft. Rec.	Blow Count	PID (ppm)
					Description			
Time					Time			
Begin: _____					Begin: _____			
End: _____					End: _____			
Construction								
Intervals (ft BGS)								
Riser: _____		25						
Screen: _____		26						
Surf. Seal: _____		27						
Seal: _____		28						
Filter Pack: _____		29						
Backfill: _____		30						
		31						
Materials								
Riser: _____		32						
Screen: _____		33						
		34						
Surf. Seal: _____		35						
Seal: _____		36						
Filter Pack: 20-30 sand		37						
Backfill: N/A		38						
Surface Completion								
Protection: _____		39						
Pad: _____		40						
Lock: _____		41						
Date/Time: _____		42						
ARCADIS G&M Personnel		43						
Field Work: _____		44						
Log Draft: _____		45						
Symbols								
Grout: 		46						
Bentonite: 		47						
Sand: 		48						
Gravel: 		49						
Backfill: 		50						
Contact: _____								
Implied or Gradational Contact: _____								



Borehole and Well Construction Log

Project _____
Project No. _____

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Site Location _____

Well ID _____
Date Begin _____
Date End _____

Contractor/Driller _____
Rig Type _____
Method _____

Total Depth Drilled _____
Sample Method/Size _____
Cutting Disposal _____

Well Construction Log		Depth (ft)	Spl Run	Class	Borehole Log	Ft. Rec.	Blow Count	PID (ppm)
					Description			
Time					Time			
Begin: _____					Begin: _____			
End: _____					End: _____			
Construction								
Intervals (ft BGS)								
Riser: _____		50						
Screen: _____		51						
Surf. Seal: _____		52						
Seal: _____		53						
Filter Pack: _____		54						
Backfill: _____		55						
Materials		56						
Riser: _____		57						
Screen: _____		58						
Surf. Seal: _____		59						
Seal: _____		60						
Filter Pack: _____		61						
Backfill: _____		62						
Surface Completion		63						
Protection: _____		64						
Pad: _____		65						
Lock: _____		66						
Date/Time: _____		67						
ARCADIS G&M Personnel		68						
Field Work: _____		69						
Log Draft: _____		70						
Symbols		71						
Grout: _____		72						
Bentonite: _____		73						
Sand: _____		74						
Gravel: _____		75						
Backfill: X								
Contact: _____								
Implied or Gradational Contact: _____								



Borehole and Well Construction Log

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Project No. GP08HAFS.H17C.DG0FI

Site Location Savannah, GA

Well ID H17-MW-23D
Date Begin 12/6/2011
Date End 12/6/2011

Contractor/Driller Parratt Wolff, Inc.
Rig Type Truck Mounted CME 55
Method Hollow Stem Auger

Total Depth Drilled 45
Sample Method/Size N/A
Cutting Disposal Drum

Well Construction Log	Depth (ft)	Borehole Log	PID (ppm)
Boring Dia. 8" Construction Intervals (ft BGS) Riser: 0-40 Screen: 40-45 Surf. Seal: 0-36 Seal: 36-38 Filter Pack: 38-45 Backfill: None Materials Riser: 2" Sch. 40 PVC Screen: 10-slot PVC Surf. Seal: Cement/Grout Seal: Bentonite Filter Pack: #2 Sand Backfill: None Surface Completion Protection: Flush Mount Manhole Pad: Circular Concrete Lock: Locking Cap Date/Time: 12/8/2011 ARCADIS G&M Personnel Field Work: VMP Log Draft: VMP Symbols Grout: [Pattern] Bentonite: [Pattern] Sand: [Pattern] Gravel: [Pattern] Backfill: X	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25		



Borehole and Well Construction Log

Project: HAA-17

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Project No. GP08HAFS.H17C.DG0FI

Site Location Savannah, GA

Well ID H17-MW-23D
Date Begin 12/6/2011
Date End 12/6/2011

Contractor/Driller Parratt Wolff, Inc.
Rig Type Truck Mounted CME 65
Method Hollow Stem Auger

Total Depth Drilled 45
Sample Method/Size N/A
Cutting Disposal Drum

Well Construction Log		Depth (ft)	Borehole Log	PID (ppm)
			Description	
Boring Dia. 8"		25		
		26		
		27		
Construction		28		
Intervals (ft BGS)		29		
Riser: 0-40		30		
Screen: 40-45		31		
Surf. Seal: 0-36		32		
Seal: 36-38		33		
Filter Pack: 38-45		34		
Backfill: None		35		
Materials		36		
Riser: 2" Sch. 40 PVC		37		
Screen: 10-slot PVC		38		
Surf. Seal: Cement/Grout		39		
Seal: Bentonite		40		
Filter Pack: #2 Sand		41		
Backfill: None		42		
Surface Completion		43		
Protection: Flush Mount		44		
Manhole		45		
Pad: Circular Concrete		46		
Lock: Locking Cap		47		
Date/Time: 12/8/2011		48		
ARCADIS G&M Personnel		49		
Field Work: VMP		50		
Log Draft: VMP				
Symbols				
Grout: [Pattern]				
Bentonite: [Pattern]				
Sand: [Pattern]				
Gravel: [Pattern]				
Backfill: X				
			END OF BORING @45 FEET	



Borehole and Well Construction Log

Project: HAA-17

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Project No. GP08HAFS.H17C.DG0FI

Site Location Savannah, GA

Well ID H17-MW-24
Date Begin 12/19/2011
Date End 12/21/2011

Contractor/Driller Parratt Wolff, Inc.
Rig Type Truck Mounted CME 55
Method Mud Rotary

Total Depth Drilled 65
Sample Method/Size Split Spoon
Cutting Disposal Drum

Well Construction Log

Borehole Log

Description

PID (ppm)

Boring Dia. 8"

Construction

Intervals (ft BGS)

Riser: 0-55
Screen: 55-65
Surf. Seal: 0-51
Seal: 51-53
Filter Pack: 53-65
Backfill: None

Materials

Riser: 2" Sch. 40 PVC
Outer Casing - 4" Sch. 40 PVC
Screen: 10-slot PVC
Surf. Seal: Cement/Grout
Seal: Bentonite
Filter Pack: #2 Sand
Backfill: None

Surface Completion

Protection: Flush Mount
Manhole
Pad: Circular Concrete
Lock: Locking Cap
Date/Time: 12/22/2011

ARCADIS G&M Personnel

Field Work: VMP
Log Draft: VMP

Symbols

Grout: 
Bentonite: 
Sand: 
Gravel: 
Backfill: X

Depth (ft)	Description	PID (ppm)
0		
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

Borehole and Well Construction Log

Well ID	H17-MW-24
Date Begin	12/19/2011
Date End	12/21/2011

Contractor/Driller	Parratt Wolff, Inc.
Rig Type	Truck Mounted CME 55
Method	Mud Rotary

Project: HAA-17
Project No. GP08HAFS.H17C.DG0FI

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Site Location	Savannah, GA
Total Depth Drilled	65
Sample Method/Size	Split Spoon
Cutting Disposal	Drum

Well Construction Log		Borehole Log	
Description		Depth (ft)	PID (ppm)
Boring Dia. 8" Construction Intervals (ft BGS) Riser: 0-55 Screen: 55-65 Surf. Seal: 0-51 Seal: 51-53 Filter Pack: 53-65 Backfill: None Materials Riser: 2" Sch. 40 PVC Outer Casing - 4" Sch. 40 PVC Screen: 10-slot PVC Surf. Seal: Cement/Grout Seal: Bentonite Filter Pack: #2 Sand Backfill: None Surface Completion Protection: Flush Mount Manhole Pad: Circular Concrete Lock: Locking Cap Date/Time: 12/22/2011 ARCADIS G&M Personnel Field Work: VMP Log Draft: VMP Symbols Grout: [Pattern] Bentonite: [Pattern] Sand: [Pattern] Gravel: [Pattern] Backfill: X		25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	gray, wet, poorly sorted medium grained sand with trace subangular coarse sand (43-45') gray, wet, fine grained sand with little sandy clay (48-50') Outer casing to 50.0'



Borehole and Well Construction Log

Project: HAA-17

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Project No. GP08HAFS.H17C.DG0FI

Site Location Savannah, GA

Well ID H17-MW-24
Date Begin 12/19/2011
Date End 12/21/2011

Contractor/Driller Parratt Wolff, Inc.
Rig Type Truck Mounted CME 55
Method Mud Rotary

Total Depth Drilled 65
Sample Method/Size Split Spoon
Cutting Disposal Drum

Well Construction Log		Depth (ft)	Borehole Log	PD (ppm)
			Description	
Boring Dia. 8"		50		
Construction		51		
Intervals (ft BGS)		52		
Riser: 0-55		53	gray, wet, fine grained sand with little clay to 54.7', soft, medium plasticity clay with little fine grained sand to 55' (53-55')	
Screen: 55-65		54		
Surf. Seal: 0-51		55		
Seal: 51-53		56		
Filter Pack: 53-65		57		
Backfill: None		58	gray, wet, fine grained sand (58-60')	
Materials		59		
Riser: 2" Sch. 40 PVC		60		
Outer Casing - 4" Sch. 40 PVC		61		
Screen: 10-slot PVC		62		
Surf. Seal: Cement/Grout		63	gray, wet, fine grained sand (63-65')	
Seal: Bentonite		64		
Filter Pack: #2 Sand		65	END OF BORING @65 FEET	
Backfill: None				
Surface Completion				
Protection: Flush Mount				
Manhole				
Pad: Circular Concrete				
Lock: Locking Cap				
Date/Time: 12/22/2011				
ARCADIS G&M Personnel				
Field Work: VMP				
Log Draft: VMP				
Symbols				
Grout: [Pattern]				
Bentonite: [Pattern]				
Sand: [Pattern]				
Gravel: [Pattern]				
Backfill: X				



Borehole and Well Construction Log

Project: HAA-17

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Project No. GP08HAFS.H17C.DG0FI

Site Location Savannah, GA

Well ID H17-MW-25D
Date Begin 12/5/2011
Date End 12/5/2011

Contractor/Driller Parratt Wolff, Inc.
Rig Type Truck Mounted CME 55
Method Hollow Stem Auger

Total Depth Drilled 35
Sample Method/Size N/A
Cutting Disposal Drum

Well Construction Log		Depth (ft)	Borehole Log	PID (ppm)
			Description	
Boring Dia. 8" Construction Intervals (ft BGS) Riser: 0-25 Screen: 25-35 Surf. Seal: 0-21 Seal: 21-23 Filter Pack: 23-35 Backfill: None Materials Riser: 2" Sch. 40 PVC Screen: 10-slot PVC Surf. Seal: Cement/Grout Seal: Bentonite Filter Pack: #2 Sand Backfill: None Surface Completion Protection: Flush Mount Manhole Pad: Circular Concrete Lock: Locking Cap Date/Time: 12/9/2011 ARCADIS G&M Personnel Field Work: VMP Log Draft: VMP Symbols Grout: Bentonite: Sand: Gravel: Backfill: X		0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25		



Borehole and Well Construction Log

Project: HAA-17

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Project No. GP08HAFS.H17C.DG0FI

Site Location Savannah, GA

Well ID H17-MW-25D
Date Begin 12/5/2011
Date End 12/5/2011

Contractor/Driller Parratt Wolff, Inc.
Rig Type Truck Mounted CME 55
Method Hollow Stem Auger

Total Depth Drilled 35
Sample Method/Size N/A
Cutting Disposal Drum

Well Construction Log		Depth (ft)	Borehole Log	PID (ppm)
			Description	
Boring Dia. 8"		25		
		26		
		27		
Construction		28		
Intervals (ft BGS)		29		
Riser: 0-25		30		
Screen: 25-35		31		
Surf. Seal: 0-21		32		
Seal: 21-23		33		
Filter Pack: 23-35		34		
Backfill: None		35	END OF BORING @35 FEET	
Materials		36		
Riser: 2" Sch. 40 PVC		37		
Screen: 10-slot PVC		38		
Surf. Seal: Cement/Grout		39		
Seal: Bentonite		40		
Filter Pack: #2 Sand		41		
Backfill: None		42		
Surface Completion		43		
Protection: Flush Mount		44		
Manhole		45		
Pad: Circular Concrete		46		
Lock: Locking Cap		47		
Date/Time: 12/9/2011		48		
ARCADIS G&M Personnel		49		
Field Work: VMP		50		
Log Draft: VMP				
Symbols				
Grout: [Pattern]				
Bentonite: [Pattern]				
Sand: [Pattern]				
Gravel: [Pattern]				
Backfill: X				



Borehole and Well Construction Log

Project: HAA-17

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Project No. GP08HAFS.H17C.DG0FI

Site Location Savannah, GA

Well ID H17-MW-25D
Date Begin 12/5/2011
Date End 12/5/2011

Contractor/Driller Parratt Wolff, Inc.
Rig Type Truck Mounted CME 55
Method Hollow Stem Auger

Total Depth Drilled 35
Sample Method/Size N/A
Cutting Disposal Drum

Well Construction Log		Depth (ft)	Borehole Log	P/D (ppm)
			Description	
Boring Dia. 8" Construction Intervals (ft BGS) Riser: 0-25 Screen: 25-35 Surf. Seal: 0-21 Seal: 21-23 Filter Pack: 23-35 Backfill: None Materials Riser: 2" Sch. 40 PVC Screen: 10-slot PVC Surf. Seal: Cement/Grout Seal: Bentonite Filter Pack: #2 Sand Backfill: None Surface Completion Protection: Flush Mount Manhole Pad: Circular Concrete Lock: Locking Cap Date/Time: 12/9/2011 ARCADIS G&M Personnel Field Work: VMP Log Draft: VMP Symbols Grout: Bentonite: Sand: Gravel: Backfill: X		0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25		



Borehole and Well Construction Log

Project: HAA-17

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Project No. GP08HAFS.H17C.DG0FI

Site Location Savannah, GA

Well ID H17-MW-26D
Date Begin 12/7/2011
Date End 12/7/2011

Contractor/Driller Parratt Wolff, Inc.
Rig Type Truck Mounted CME 55
Method Hollow Stem Auger

Total Depth Drilled 36
Sample Method/Size N/A
Cutting Disposal Drum

Well Construction Log		Depth (ft)	Borehole Log	PID (ppm)
			Description	
Boring Dia. 8"		0		
		1		
		2		
Construction		3		
Intervals (ft BGS)		4		
Riser: <u>0-26</u>		5		
Screen: <u>26-36</u>		6		
Surf. Seal: <u>0-22</u>		7		
Seal: <u>22-24</u>		8		
Filter Pack: <u>24-36</u>		9		
Backfill: <u>None</u>		10		
		11		
Materials		12		
Riser: <u>2" Sch. 40 PVC</u>		13		
Screen: <u>10-slot PVC</u>		14		
		15		
Surf. Seal: <u>Cement/Grout</u>		16		
Seal: <u>Bentonite</u>		17		
		18		
Filter Pack: <u>#2 Sand</u>		19		
Backfill: <u>None</u>		20		
		21		
Surface Completion		22		
Protection: <u>Flush Mount</u>		23		
<u>Manhole</u>		24		
Pad: <u>Circular Concrete</u>		25		
Lock: <u>Locking Cap</u>				
Date/Time: <u>12/9/2011</u>				
ARCADIS G&M Personnel				
Field Work: <u>VMP</u>				
Log Draft: <u>VMP</u>				
Symbols				
Grout:				
Bentonite:				
Sand:				
Gravel:				
Backfill:				



Borehole and Well Construction Log

Project: HAA-17
Project No. GP08HAFS.H17C.DG0FI

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Site Location Savannah, GA

Well ID H17-MW-26D
Date Begin 12/7/2011
Date End 12/7/2011

Contractor/Driller Parratt Wolff, Inc.
Rig Type Truck Mounted CME 55
Method Hollow Stem Auger

Total Depth Drilled 36
Sample Method/Size N/A
Cutting Disposal Drum

Well Construction Log		Depth (ft)	Borehole Log	PD (ppm)
			Description	
Boring Dia. 8"		25		
		26		
		27		
		28		
		29		
		30		
		31		
		32		
		33		
		34		
		35		
		36	END OF BORING @36 FEET	
		37		
		38		
		39		
		40		
		41		
		42		
		43		
		44		
		45		
		46		
		47		
		48		
		49		
		50		

Construction

Intervals (ft BGS)

Riser: 0-26
Screen: 26-36
Surf. Seal: 0-22
Seal: 22-24
Filter Pack: 24-36
Backfill: None

Materials

Riser: 2" Sch. 40 PVC
Screen: 10-slot PVC
Surf. Seal: Cement/Grout
Seal: Bentonite
Filter Pack: #2 Sand
Backfill: None

Surface Completion

Protection: Flush Mount
Manhole
Pad: Circular
Lock: Locking Cap
Date/Time: 12/9/2011

ARCADIS G&M Personnel

Field Work: VMP
Log Draft: VMP

Symbols

Grout: 
Bentonite: 
Sand: 
Gravel: 
Backfill: X



Borehole and Well Construction Log

Project: HAA-17

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Project No. GP08HAFS.H17C.DG0FI

Site Location Savannah, GA

Well ID H17-MW-26S
 Date Begin 12/7/2011
 Date End 12/7/2011

Contractor/Driller Parratt Wolff, Inc.
 Rig Type Truck Mounted CME 55
 Method Hollow Stem Auger

Total Depth Drilled 17'
 Sample Method/Size N/A
 Cutting Disposal Drum

Well Construction Log		Depth (ft)	Borehole Log	PID (ppm)
			Description	
Boring Dia. <u>8"</u> Construction Intervals (ft BGS) Riser: <u>0-7</u> Screen: <u>7-17</u> Surf. Seal: <u>0-3</u> Seal: <u>3-5</u> Filter Pack: <u>5-17</u> Backfill: <u>None</u> Materials Riser: <u>Sch. 2" 40 PVC</u> Screen: <u>10-slot PVC</u> Surf. Seal: <u>Cement Grout</u> Seal: <u>Bentonite</u> Filter Pack: <u>#2 Sand</u> Backfill: <u>None</u> Surface Completion Protection: <u>Flush Mount</u> <u>Manhole</u> Pad: <u>Circular Concrete</u> <u></u> Lock: <u>Locking Cap</u> Date/Time: <u>12/9/2011</u> ARCADIS G&M Personnel Field Work: <u>VMP</u> Log Draft: <u>VMP</u> Symbols Grout: Bentonite: Sand: Gravel: Backfill:		0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	END OF BORING @ 17 FEET	



Borehole and Well Construction Log

Project: HAA-17

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Project No. GP08HAFS.H17C.DG0FI

Site Location Savannah, GA

Well ID H17-MW-27D
Date Begin 12/20/2011
Date End 12/20/2011

Contractor/Driller Parratt Wolff, Inc.
Rig Type Truck Mounted CME 55
Method Hollow Stem Auger

Total Depth Drilled 35
Sample Method/Size N/A
Cutting Disposal Drum

Well Construction Log		Depth (ft)	Borehole Log	PID (ppm)
			Description	
Boring Dia. 8" Construction Intervals (ft BGS) Riser: 0-25 Screen: 25-35 Surf. Seal: 0-21 Seal: 21-23 Filter Pack: 23-35 Backfill: None Materials Riser: 2" Sch. 40 PVC Screen: 10-slot PVC Surf. Seal: Cement/Grout Seal: Bentonite Filter Pack: #2 Sand Backfill: None Surface Completion Protection: Flush Mount Manhole Pad: Circular Concrete Lock: Locking Cap Date/Time: 12/22/2011 ARCADIS G&M Personnel Field Work: VMP Log Draft: VMP Symbols Grout: [Pattern] Bentonite: [Pattern] Sand: [Pattern] Gravel: [Pattern] Backfill: X		0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25		



Borehole and Well Construction Log

Project: HAA-17

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Project No. GP08HAFS.H17C.DG0F1

Site Location Savannah, GA

Well ID H17-MW-27D
Date Begin 12/20/2011
Date End 12/20/2011

Contractor/Driller Parratt Wolf, Inc.
Rig Type Truck Mounted CME 55
Method Hollow Stem Auger

Total Depth Drilled 35
Sample Method/Size N/A
Cutting Disposal Drum

Well Construction Log		Depth (ft)	Borehole Log	PID (ppm)
			Description	
Boring Dia. 8"				
		25		
		26		
		27		
Construction		28		
Intervals (ft BGS)		29		
Riser: 0-25		30		
Screen: 25-35		31		
Surf. Seal: 0-21		32		
Seal: 21-23		33		
Filter Pack: 23-35		34		
Backfill: None		35	END OF BORING @35 FEET	
Materials		36		
Riser: 2" Sch. 40 PVC		37		
Screen: 10-slot PVC		38		
Surf. Seal: Cement/Grout		39		
Seal: Bentonite		40		
Filter Pack: #2 Sand		41		
Backfill: None		42		
Surface Completion		43		
Protection: Flush Mount		44		
Manhole		45		
Pad: Circular Concrete		46		
Lock: Locking Cap		47		
Date/Time: 12/22/2011		48		
ARCADIS G&M Personnel		49		
Field Work: VMP		50		
Log Draft: VMP				
Symbols				
Grout:				
Bentonite:				
Sand:				
Gravel:				
Backfill: X				



Borehole and Well Construction Log

Project: HAA-17
Project No. GP08HAFS.H17C.DG0FI

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Site Location Savannah, GA

Well ID H17-MW-27D
Date Begin 12/20/2011
Date End 12/20/2011

Contractor/Driller Parratt Wolff, Inc.
Rig Type Truck Mounted CME 55
Method Hollow Stem Auger

Total Depth Drilled 35
Sample Method/Size N/A
Cutting Disposal Drum

Well Construction Log		Depth (ft)	Borehole Log	PID (ppm)
			Description	
Boring Dia. 8" Construction Intervals (ft BGS) Riser: 0-25 Screen: 25-35 Surf. Seal: 0-21 Seal: 21-23 Filter Pack: 23-35 Backfill: None Materials Riser: 2" Sch. 40 PVC Screen: 10-slot PVC Surf. Seal: Cement/Grout Seal: Bentonite Filter Pack: #2 Sand Backfill: None Surface Completion Protection: Flush Mount Manhole Pad: Circular Concrete Lock: Locking Cap Date/Time: 12/22/2011 ARCADIS G&M Personnel Field Work: VMP Log Draft: VMP Symbols Grout: [Pattern] Bentonite: [Pattern] Sand: [Pattern] Gravel: [Pattern] Backfill: X		0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25		



Borehole and Well Construction Log

Project: HAA-17

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Project No. GP08HAFS.H17C.DG0F1

Site Location Savannah, GA

Well ID H17-MW-27D
Date Begin 12/20/2011
Date End 12/20/2011

Contractor/Driller Parratt Wolff, Inc.
Rig Type Truck Mounted CME 55
Method Hollow Stem Auger

Total Depth Drilled 35
Sample Method/Size N/A
Cutting Disposal Drum

Well Construction Log		Depth (ft)	Borehole Log	P/D (ppm)
			Description	
Boring Dia. 8"		25		
		26		
		27		
		28		
		29		
		30		
		31		
		32		
		33		
		34		
		35	END OF BORING @35 FEET	
		36		
		37		
		38		
		39		
		40		
		41		
		42		
		43		
		44		
		45		
		46		
		47		
		48		
		49		
		50		

Construction

Intervals (ft BGS)

Riser: 0-25

Screen: 25-35

Surf. Seal: 0-21

Seal: 21-23

Filter Pack: 23-35

Backfill: None

Materials

Riser: 2" Sch. 40 PVC

Screen: 10-slot PVC

Surf. Seal: Cement/Grout

Seal: Bentonite

Filter Pack: #2 Sand

Backfill: None

Surface Completion

Protection: Flush Mount

Manhole

Pad: Circular Concrete

Lock: Locking Cap

Date/Time: 12/22/2011

ARCADIS G&M Personnel

Field Work: VMP

Log Draft: VMP

Symbols

Grout: [Pattern]

Bentonite: [Pattern]

Sand: [Pattern]

Gravel: [Pattern]

Backfill: X



Borehole and Well Construction Log

Project: HAA-17

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Project No. GP08HAFS.H17C.DG0FI

Site Location Savannah, GA

Well ID H17-MW-27S
Date Begin 12/20/2011
Date End 12/20/2011

Contractor/Driller Parratt Wolff, Inc.
Rig Type Truck Mounted CME 55
Method Hollow Stem Auger

Total Depth Drilled 17
Sample Method/Size N/A
Cutting Disposal Drum

Well Construction Log		Depth (ft)	Borehole Log	PID (ppm)
			Description	
Boring Dia. 8" Construction Intervals (ft BGS) Riser: 0-7 Screen: 7-17 Surf. Seal: 0-3 Seal: 3-5 Filter Pack: 5-17 Backfill: None Materials Riser: 2" Sch. 40 PVC Screen: 10-slot PVC Surf. Seal: Cement/Grout Seal: Bentonite Filter Pack: #2 Sand Backfill: None Surface Completion Protection: Flush Mount Manhole Pad: Circular Concrete Lock: Locking Cap Date/Time: 12/22/2011 ARCADIS G&M Personnel Field Work: VMP Log Draft: VMP Symbols Grout: Bentonite: Sand: Gravel: Backfill: X		0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	END OF BORING @17 FEET	



Borehole and Well Construction Log

Well ID H17-MW-29D
Date Begin 12/21/2011
Date End 12/21/2011

Contractor/Driller Parratt Wolff, Inc.
Rig Type Truck Mounted CME 55
Method Hollow Stem Auger

Project: HAA-17
Project No. GP08HAFS.H17C.DG0FI

Page 1 of 2
Site Location Savannah, GA
Total Depth Drilled 45
Sample Method/Size N/A
Cutting Disposal Drum

Well Construction Log		Depth (ft)	Borehole Log	PID (ppm)
			Description	
Boring Dia. <u>8"</u>		0		
		1		
		2		
		3		
		4		
		5		
		6		
		7		
		8		
		9		
		10		
		11		
		12		
		13		
		14		
		15		
		16		
		17		
		18		
		19		
		20		
		21		
		22		
		23		
		24		
		25		

Construction

Intervals (ft BGS)

Riser: 0-40

Screen: 40-45

Surf. Seal: 0-36

Seal: 36-38

Filter Pack: 38-45

Backfill: None

Materials

Riser: 2" Sch. 40 PVC

Screen: 10-slot PVC

Surf. Seal: Cement/Grout

Seal: Bentonite

Filter Pack: #2 Sand

Backfill: None

Surface Completion

Protection: Flush Mount

Manhole

Pad: Circular Concrete

Lock: Locking Cap

Date/Time: 12/22/2011

ARCADIS G&M Personnel

Field Work: VMP

Log Draft: VMP

Symbols

Grout:

Bentonite:

Sand:

Gravel:

Backfill:



Borehole and Well Construction Log

Project: HAA-17
Project No. GP08HAFS.H17C.DG0FI

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Site Location Savannah, GA

Well ID H17-MW-29D
Date Begin 12/21/2011
Date End 12/21/2011

Contractor/Driller Parratt Wolff, Inc.
Rig Type Truck Mounted CME 55
Method Hollow Stem Auger

Total Depth Drilled 45
Sample Method/Size N/A
Cutting Disposal Drum

Well Construction Log		Depth (ft)	Borehole Log	PID (ppm)
			Description	
Boring Dia. 8"		25		
		26		
		27		
		28		
		29		
		30		
		31		
		32		
		33		
		34		
		35		
		36		
		37		
		38		
		39		
		40		
		41		
		42		
		43		
		44		
		45	END OF BORING @45 FEET	
		46		
		47		
		48		
		49		
		50		

Construction

Intervals (ft BGS)

Riser: 0-40
Screen: 40-45
Surf. Seal: 0-36
Seal: 36-38
Filter Pack: 38-45
Backfill: None

Materials

Riser: 2" Sch. 40 PVC
Screen: 10-slot PVC
Surf. Seal: Cement/Grout
Seal: Bentonite
Filter Pack: #2 Sand
Backfill: None

Surface Completion

Protection: Flush Mount
Manhole
Pad: Circular Concrete
Lock: Locking Cap
Date/Time: 12/22/2011

ARCADIS G&M Personnel

Field Work: VMP
Log Draft: VMP

Symbols

Grout: 
Bentonite: 
Sand: 
Gravel: 
Backfill: X



SOIL CORE / SAMPLING LOG

Boring/Well H17-AF01 Project/No. HAA-17 Page 1 of 2

Site Location Savannah, GA Drilling Started 12/7/2009 Drilling Completed 12/7/2009

Drilling Contractor ARM Driller Josh Helper Mike

Drilling Fluid Used N/A Drilling Method DPT

Total Depth Drilled 45 Feet Hole Diameter 2 " Coring Device MacroCore

Prepared By JDF Hammer Weight N/A Hammer Drop N/A ins.

Soil Characterization:

Sample/Core Depth (Feet bls)		PID Reading (ppm)	Sample/Core Description
From	To		
0	1		10 YR 5/2 grayish brown silty fine sand and subrounded gravel
1	2		10 YR 7/2 light gray well sorted fine sand
2	3	0.0	10 YR 5/2 grayish brown well sorted silty fine sand lens of
3	4		10 YR 8/3 well sorted subangular coarse sand ~4" thick @ 4'
4	5	0.0	
5	6		10 YR 4/2 dark grayish brown silty well sorted fine sand
6	7	0.0	10 YR 5/3 brown well sorted silty fine sand
7	8		10 YR 4/4 dark yellowish brown well sorted clayey fine sand, wet
8	9	0.0	10 YR 5/2 grayish brown well sorted silty fine sand
9	10		
10	11	0.0	
11	12		
12	13	0.0	10 YR 7/1 light gray well sorted clayey fine sand
13	14		
14	15	0.0	
15	16		
16	17	0.0	
17	18		
18	19	0.0	10 YR 5/2 grayish brown clayey poorly sorted coarse sand, wood fragments,
19	20		some muscovite fragments
20	21	0.0	10 YR 6/1 clayey poorly sorted fine to medium sand, slight plasticity/cohesiveness
21	22		
22	23	0.0	
23	24		
24	25	0.0	



SOIL CORE / SAMPLING LOG

Boring/Well H17-AF01 Project/No. HAA-17 Page 2 of 2

Site Location Savannah, GA Drilling Started 12/7/2009 Drilling Completed 12/7/2009

Drilling Contractor ARM Driller Josh Helper Mike

Drilling Fluid Used N/A Drilling Method DPT

Total Depth Drilled 45 Feet Hole Diameter 2 " Coring Device MacroCore

Prepared By JDF Hammer Weight N/A Hammer Drop N/A ins.

Soil Characterization:

Sample/Core Depth (Feet bls)		PID Reading (ppm)	Sample/Core Description
From	To		
25	26		
26	27	6.9	
27	28		
28	29	5.0	
29	30		
30	31	3.1	10 YR 5/1 gray clayey poorly sorted subangular coarse sand
31	32		
32	33	2.2	10 YR 5/1 gray silty fine sand and interbedded soft high plasticity clay
33	34		
34	35	8.9	
35	36		10 YR 6/1 gray silty coarse to very coarse poorly sorted subangular sand
36	37	0.0	
37	38		
38	39	0.3	
39	40		
40	41	0.0	
41	42		
42	43	0.1	
43	44		
44	45	0.7	
45	46		END OF BORING
46	47		
47	48		
48	49		
49	50		



SOIL CORE / SAMPLING LOG

Boring/Well H17-AF15 Project/No. HAA-17 Page 1 of 2

Site Location Savannah, GA Drilling Started 12/8/2009 Drilling Completed 12/8/2009

Drilling Contractor ARM Driller Josh Helper Mike

Drilling Fluid Used N/A Drilling Method DPT

Total Depth Drilled 45 Feet Hole Diameter 2 " Coring Device MacroCore

Prepared By JDF Hammer Weight N/A Hammer Drop N/A ins.

Soil Characterization:

Sample/Core Depth (Feet bls)		PID Reading (ppm)	Sample/Core Description
From	To		
			asphalt ~0-6"
0	1		10 YR 6/3 pale brown well sorted silty fine sand
1	2		10 YR 8/2 very pale brown poorly sorted subangular fine to coarse sand,
2	3	0.0	some reddish yellow mottling from 3-4'
3	4		
4	5	0.0	7.5 YR 7/6 reddish yellow poorly sorted subangular fine-coarse sand,
5	6		becomes 10 YR 7/2 light gray from 5.5'-6'
6	7	0.0	10 YR 4/2 dark grayish brown silty well sorted fine sand, wet
7	8		
8	9	0.0	10 YR 7/2 light gray silty well sorted fine sand, becomes 10 YR 5/3 brown
9	10		from 8.5'-9' becomes 10 YR 6/2 light brownish gray
10	11	0.0	10 YR 6/3 pale brown poorly sorted subangular fine to coarse sand
11	12		10 YR 7/2 light gray to 10 YR 5/2 grayish brown silty very fine sand
12	13	0.0	
13	14		10 Y 8/1 light greenish gray well sorted silty fine sand
14	15	0.0	N5/ gray silty well sorted fine sand
15	16		N5/ gray silty well sorted subangular medium sand, trace muscovite,
16	17	0.0	wood fragments
17	18		
18	19	0.0	
19	20		
20	21	0.0	10 YR 6/1 gray silty well sorted fine to medium sand, trace muscovite
21	22		
22	23	0.0	
23	24		
24	25	0.0	



SOIL CORE / SAMPLING LOG

Boring/Well H17-AF15 Project/No. HAA-17 Page 2 of 2
Site Location Savannah, GA Drilling Started 12/8/2009 Drilling Completed 12/8/2009
Drilling Contractor ARM Driller Josh Helper Mike
Drilling Fluid Used N/A Drilling Method DPT
Total Depth Drilled 45 Feet Hole Diameter 2 " Coring Device MacroCore
Prepared By JDF Hammer Weight N/A Hammer Drop N/A ins.

Soil Characterization:

Sample/Core Depth (Feet bls)		PID Reading (ppm)	Sample/Core Description
From	To		
25	26		
26	27	0.0	
27	28		
28	29	0.0	10 YR 6/1 gray interbedded silty well sorted fine sand and soft high plasticity
29	30		clay
30	31	0.0	10 YR 6/1 gray interbedded silty poorly sorted fine to coarse subangular sand
31	32		and soft high plasticity clay
32	33	0.0	
33	34		
34	35	0.0	
35	36		10 YR 6/1 gray silty poorly sorted subangular coarse to very coarse sand
36	37	0.0	
37	38		
38	39	0.0	
39	40		
40	41	0.0	
41	42		
42	43	0.0	
43	44		
44	45	0.0	
45	46		END OF BORING
46	47		
47	48		
48	49		
49	50		



SOIL CORE / SAMPLING LOG

Boring/Well H17-AF53 Project/No. HAA-17 Page 1 of 2
Site Location Savannah, GA Drilling Started 12/8/2009 Drilling Completed 12/8/2009
Drilling Contractor ARM Driller Josh Helper Mike
Drilling Fluid Used N/A Drilling Method DPT
Total Depth Drilled 45 Feet Hole Diameter 2 " Coring Device MacroCore
Prepared By JDF Hammer Weight N/A Hammer Drop N/A ins.

Soil Characterization:

Sample/Core Depth (Feet bls)		PID Reading (ppm)	Sample/Core Description
From	To		
			asphalt ~0-6"
0	1		10 YR 5/1 poorly sorted sand and subangular gravel
1	2		10 YR 6/3 pale brown well sorted silty fine sand
2	3	0.0	
3	4		
4	5	0.0	10 YR 4/2 dark grayish brown well sorted silty fine sand
5	6		10 YR 5/2 grayish brown well sorted silty fine sand
6	7	0.0	10 YR 4/2 dark grayish brown well sorted silty fine sand, wet
7	8		
8	9	0.0	10 YR 7/1 light gray well sorted silty fine sand, wood fragments
9	10		
10	11	0.0	
11	12		
12	13	0.0	
13	14		
14	15	0.0	
15	16		
16	17	0.0	
17	18		10 YR 5/1 gray poorly sorted silty fine to coarse sand, trace muscovite
18	19	0.0	
19	20		
20	21	0.0	10 YR 5/2 grayish brown silty well sorted fine sand, trace muscovite
21	22		
22	23	0.0	
23	24		
24	25	0.0	



SOIL CORE / SAMPLING LOG

Boring/Well H17-AF53 Project/No. HAA-17 Page 2 of 2
Site Location Savannah, GA Drilling Started 12/8/2009 Drilling Completed 12/8/2009
Drilling Contractor ARM Driller Josh Helper Mike
Drilling Fluid Used N/A Drilling Method DPT
Total Depth Drilled 45 Feet Hole Diameter 2 " Coring Device MacroCore
Prepared By JDF Hammer Weight N/A Hammer Drop N/A ins.

Soil Characterization:

Sample/Core Depth (Feet bls)		PID Reading (ppm)	Sample/Core Description
From	To		
25	26		
26	27	0.0	
27	28		10 YR 5/1 gray soft high plasticity clay (27-27.5'), 10 YR 5/1 gray soft high
28	29	0.0	plasticity clay and coarse sand (27.5-28')
29	30		28'- 10 YR 7/1 light gray well sorted fine sand
30	31	0.0	10 YR 5/1 gray clayey poorly sorted subangular coarse sand
31	32		
32	33	0.0	
33	34		
34	35	0.0	10 YR 6/1 gray silty well sorted fine sand
35	36		10 YR 5/1 gray silty poorly sorted subangular coarse sand, 2" thick 10 YR 5/1
36	37		gray soft high plasticity clay lens @ 35.5', similar 1" thick clay lens @ 37'
37	38		
38	39		
39	40		
40	41		END OF BORING
41	42		
42	43		
43	44		
44	45		
45	46		
46	47		
47	48		
48	49		
49	50		



SOIL CORE / SAMPLING LOG

Boring/Well H17-AF61 Project/No. HAA-17 Page 1 of 2
Site Savannah, GA Drilling Started 12/9/2009 Drilling Completed 12/9/2009
Drilling Contractor ARM Driller Josh Helper Mike
Drilling Fluid Used N/A Drilling Method DPT
Total Depth Drilled 50 Feet Hole Diameter 2 " Coring Device MacroCore
Prepared By JDF Hammer Weight N/A Hammer Drop N/A ins.

Soil Characterization:

Sample/Core Depth (Feet bls)		PID Reading (ppm)	Sample/Core Description
From	To		
			asphalt ~0-6"
0	1		20 YR 3/1 very dark gray silty fine sand
1	2		
2	3	0.0	
3	4		10 YR 6/1 light gray silty well sorted fine sand, wet
4	5	0.3	
5	6		10 YR 6/2 light brownish gray silty well sorted fine sand, with wood fragments
6	7	0.5	
7	8		10 YR 8/1 white well sorted fine sand with wood fragments
8	9	0.7	
9	10		
10	11	0.5	10 YR 7/6 yellow silty well sorted fine sand
11	12		
12	13	0.3	
13	14		10 YR 7/1 gray silty well sorted fine sand
14	15	1.1	10 YR 6/1 gray silty well sorted fine sand
15	16		10 YR 4/1 dark gray silty poorly sorted coarse sand, trace muscovite
16	17	0.0	
17	18		
18	19	0.0	
19	20		
20	21	0.1	10 YR 4/1 dark gray silty well sorted fine sand, trace clay, lens of 10 YR 4/1
21	22		soft high plasticity clay ~4" thick @ 23'
22	23	1.5	
23	24		
24	25	4.0	



SOIL CORE / SAMPLING LOG

Boring/Well H17-AF61 Project/No. HAA-17 Page 2 of 2
Site Location Savannah, GA Drilling Started 12/9/2009 Drilling Completed 12/9/2009
Drilling Contractor ARM Driller Josh Helper Mike
Drilling Fluid Used N/A Drilling Method DPT
Total Depth Drilled 50 Feet Hole Diameter 2 " Coring Device MacroCore
Prepared By JDF Hammer Weight N/A Hammer Drop N/A ins.

Soil Characterization:

Sample/Core Depth (Feet bsl) From To		PID Reading (ppm)	Sample/Core Description
25	26		10 YR 5/1 gray silty poorly sorted fine to medium sand
26	27	0.8	
27	28		
28	29	13.7	
29	30		
30	31	5.5	10 YR 5/1 gray interbedded poorly sorted fine to coarse subangular sand
31	32		clayey, 2" thick lens of 10 YR 5/1 gray soft high plasticity clay @ 34'
32	33	2.6	
33	34		
34	35	10.1	
35	36		10 YR 5/1 gray interbedded poorly sorted fine to coarse clayey sand and
36	37	15.2	10 YR 5/1 gray soft high plasticity clay
37	38		
38	39	2.2	10 YR 6/1 gray well sorted subangular coarse sand
39	40		
40	41	1.1	10 YR 6/1 gray poorly sorted coarse subangular sand
41	42		
42	43	0.6	
43	44		
44	45	0.5	
45	46		
46	47	0.7	
47	48		
48	49	0.7	10 YR 6/1 gray interbedded poorly sorted clayey coarse subangular sand
49	50		and 10 YR 6/1 gray soft high plasticity clay, some roundest fine gravel from 49.5'-50'



SOIL CORE / SAMPLING LOG

Boring/Well H17-AF62 Project/No. HAA-17 Page 1 of 2

Site Location Savannah, GA Drilling Started 12/8/2009 Drilling Completed 12/8/2009

Drilling Contractor ARM Driller Josh Helper Mike

Drilling Fluid Used N/A Drilling Method DPT

Total Depth Drilled 40 Feet Hole Diameter 2 " Coring Device MacroCore

Prepared By JDF Hammer Weight N/A Hammer Drop N/A ins.

Soil Characterization:

Sample/Core Depth (Feet bls)		PID Reading (ppm)	Sample/Core Description
From	To		
			asphalt upper 6"
0	1		10 YR 6/1 gray silty poorly sorted sand and fine gravel
1	2		10 YR 6/3 pale brown poorly sorted silty fine to coarse sand
2	3	0.0	10 YR 5/2 grayish brown poorly sorted silty fine to coarse sand, clayey lens
3	4		~2" thick @ 3'
4	5	0.0	
5	6		10 YR 3/3 clayey well sorted very fine sand
6	7	0.0	10 YR 6/2 light brownish gray silty well sorted fine sand, 10 YR 7/1 light gray
7	8		silty fine sand lens ~6" thick @ 8.5'
8	9	0.0	
9	10		
10	11	0.0	
11	12		
12	13	0.0	
13	14		
14	15	0.0	10 YR 7/1 light gray silty well sorted fine sand
15	16		10 Y 8/1 light greenish gray clay well sorted fine sand, wood fragments
16	17	0.0	
17	18		10 YR 5/2 grayish brown clayey well sorted fine sand, some muscovite
18	19	0.0	
19	20		
20	21	0.0	
21	22		
22	23	0.0	
23	24		
24	25	0.0	



SOIL CORE / SAMPLING LOG

Boring/Well H17-AF62 Project/No. HAA-17 Page 2 of 2
Site Location Savannah, GA Drilling Started 12/8/2009 Drilling Completed 12/8/2009
Drilling Contractor ARM Driller Josh Helper Mike
Drilling Fluid Used N/A Drilling Method DPT
Total Depth Drilled 40 Feet Hole Diameter 2 " Coring Device MacroCore
Prepared By JDF Hammer Weight N/A Hammer Drop N/A ins.

Soil Characterization:

Sample/Core Depth (Feet bls)		PID Reading (ppm)	Sample/Core Description
From	To		
25	26		
26	27	0.0	
27	28		10 YR 6/1 gray soft high plasticity clay (27.5-28 feet)
28	29	0.0	5 GY 4/1 dark greenish gray silty poorly sorted angular gravel and coarse sand
29	30		up to 1" da.
30	31	0.0	10 YR 6/1 gray silty coarse subangular sand
31	32		
32	33	0.0	
33	34		10 YR 6/1 gray interbedded silty fine sand and soft high plasticity clay
34	35	0.0	
35	36		10 YR 6/1 gray silty subangular coarse sand 1" thick soft high plasticity
36	37	0.0	clay lens @ 38'
37	38		
38	39	0.0	
39	40		
40	41	0.0	(@40') END OF BORING
41	42		
42	43		
43	44		
44	45		
45	46		
46	47		
47	48		
48	49		
49	50		



SOIL CORE / SAMPLING LOG

Boring/Well H17-AF101 Project/No. HAA-17 Page 1 of 2

Site Location Savannah, GA Drilling Started 12/10/2009 Drilling Completed 12/10/2009

Drilling Contractor ARM Driller Josh Helper Mike

Drilling Fluid Used N/A Drilling Method DPT

Total Depth Drilled 45 Feet Hole Diameter 2 " Coring Device MacroCore

Prepared By JDF Hammer Weight N/A Hammer Drop N/A ins.

Soil Characterization:

Sample/Core Depth (Feet bls)		PID Reading (ppm)	Sample/Core Description
From	To		
0	1		10 YR 5/3 brown silty well sorted fine sand
1	2		10 YR 7/3 very pale brown silty poorly sorted fine to coarse subrounded sand
2	3	0.0	
3	4		10 YR 7/2 silty light gray poorly sorted subangular fine to coarse sand
4	5	0.0	
5	6		10 YR 3/2 very dark grayish brown clayey very fine sand, moderate-high
6	7	0.0	plasticity, sof
7	8		10 YR 5/2 grayish brown clayey well sorted fine sand
8	9	0.0	
9	10		10 YR 7/2 light gray silty well sorted fine sand
10	11	0.0	10 YR 7/1 light gray clay well sorted fine sand, trace wood fragments,
11	12		trace muscovite
12	13	0.0	
13	14		
14	15	0.0	
15	16		10 YR 5/2 grayish brown clayey well sorted subangular medium sand,
16	17	0.3	some muscovite
17	18		
18	19	0.1	
19	20		
20	21	1.0	10 YR 5/2 grayish brown soft high plasticity clay
21	22		10 YR 5/2 grayish brown poorly sorted clayey fine to medium subangular sand
22	23	3.3	
23	24		
24	25	15.5	



SOIL CORE / SAMPLING LOG

Boring/Well H17-AF101 Project/No. HAA-17 Page 2 of 2
Site Location Savannah, GA Drilling Started 12/10/2009 Drilling Completed 12/10/2009
Drilling Contractor ARM Driller Josh Helper Mike
Drilling Fluid Used N/A Drilling Method DPT
Total Depth Drilled 45 Feet Hole Diameter 2 " Coring Device MacroCore
Prepared By JDF Hammer Weight N/A Hammer Drop N/A ins.

Soil Characterization:

Sample/Core Depth (Feet b/s)		PID Reading (ppm)	Sample/Core Description
From	To		
25	26		10 YR 8/1 light greenish gray clayey well sorted fine sand
26	27	10.1	10 YR 6/1 gray silty-clayey well sorted fine sand, trace muscovite
27	28		
28	29	25.0	
29	30		10 YR 5/1 gray interbedded poorly sorted fine to coarse subangular sand
30	31	15.1	and 10 YR 5/1 gray soft high plasticity clay
31	32		
32	33	6.9	
33	34		
34	35	9.4	
35	36		10 YR 5/1 gray silty poorly sorted medium to very coarse subangular sand,
36	37	1.1	some well rounded fine gravel
37	38		
38	39	1.5	
39	40		
40	41	0.4	
41	42		
42	43	0.8	
43	44		
44	45	3.8	
45	46		END OF BORING
46	47		
47	48		
48	49		
49	50		



SOIL CORE / SAMPLING LOG

Boring/Well H17-AF102 Project/No. HAA-17 Page 1 of 2

Site Savannah, GA Drilling Started 12/15/2009 Drilling Completed 12/15/2009

Drilling Contractor ARM Driller Josh Helper Mike

Drilling Fluid Used N/A Drilling Method DPT

Total Depth Drilled 45 Feet Hole Diameter 2 " Coring Device MacroCore

Prepared By JDF Hammer Weight N/A Hammer Drop N/A ins.

Soil Characterization:

Sample/Core Depth (Feet bls)		PID Reading (ppm)	Sample/Core Description
From	To		
			asphalt ~0-6"
0	1		10 YR 4/1 silty poorly sorted sand and subangular gravel
1	2		10 YR 5/4 yellowish brown silty well sorted fine sand
2	3	0.2	10 YR 6/6 brownish yellow sandy soft moderate plasticity clay
3	4		7.5 YR 6/6 reddish yellow silty well sorted fine sand
4	5	0.2	
5	6		7.5 YR 7/6 reddish yellow medium firm high plasticity clay
6	7	0.2	10 YR 7/3 very pale brown silty well sorted fine sand, wet
7	8		
8	9	1.5	
9	10		
10	11	1.5	
11	12		10 YR 7/1 light gray silty well sorted fine sand
12	13	1.0	
13	14		
14	15	2.9	
15	16		
16	17	0.6	
17	18		10 YR 7/1 silty to clayey poorly sorted fine to medium subrounded sand
18	19	2.8	
19	20		
20	21	0.4	
21	22		
22	23	0.4	10 YR 6/1 gray silty to clayey poorly sorted fine to medium subangular sand
23	24		with trace muscovite
24	25	0.3	



SOIL CORE / SAMPLING LOG

Boring/Well H17-AF102 Project/No. HAA-17 Page 2 of 2

Site Location Savannah, GA Drilling Started 12/15/2009 Drilling Completed 12/15/2009

Drilling Contractor ARM Driller Josh Helper Mike

Drilling Fluid Used N/A Drilling Method DPT

Total Depth Drilled 45 Feet Hole Diameter 2 " Coring Device MacroCore

Prepared By JDF Hammer Weight N/A Hammer Drop N/A ins.

Soil Characterization:

Sample/Core Depth (Feet bls)		PID Reading (ppm)	Sample/Core Description
From	To		
25	26		
26	27	1.9	
27	28		
28	29	0.5	
29	30		
30	31	0.6	10 YR 6/1 gray silty well sorted fine sand
31	32		
32	33	0.4	10 YR 6/1 gray interbedded silty well sorted fine sand and soft high plasticity
33	34		clay, trace wood fragments
34	35	0.4	
35	36		
36	37	0.3	
37	38		10 YR 6/1 gray interbedded silty poorly sorted medium to coarse subangular
38	39	0.5	sand and sandy soft high plasticity clay
39	40		
40	41	0.2	
41	42		
42	43	0.4	
43	44		
44	45	0.3	
45	46		END OF BORING
46	47		
47	48		
48	49		
49	50		



SOIL CORE / SAMPLING LOG

Boring/Well H17-AF103 Project/No. HAA-17 Page 1 of 2

Site Location Savannah, GA Drilling Started 12/16/2009 Drilling Completed 12/16/2009

Drilling Contractor ARM Driller Josh Helper Mike

Drilling Fluid Used N/A Drilling Method DPT

Total Depth Drilled 45 Feet Hole Diameter 2 " Coring Device MacroCore

Prepared By JDF Hammer Weight N/A Hammer Drop N/A ins.

Soil Characterization:

Sample/Core Depth (Feet bls)		PID Reading (ppm)	Sample/Core Description
From	To		
			asphalt ~1"
0	1		10 YR 5/2 grayish brown silty well sorted fine sand
1	2		10 YR 8/2 very pale brown silty well sorted fine sand
2	3	0.3	10 YR 4/2 dark grayish brown silty well sorted fine sand
3	4		10 YR 5/2 grayish brown sandy soft high plasticity clay
4	5	0.3	
5	6		10 YR 7/3 very pale brown clayey well sorted fine sand, wet
6	7	2.2	
7	8		10 YR 6/6 brownish yellow silty well sorted fine sand, some dark brown mottling
8	9	5.9	
9	10		
10	11	4.8	
11	12		
12	13	4.1	
13	14		
14	15	1.2	10 YR 7/1 light gray silty well sorted fine sand
15	16		
16	17	0.3	
17	18		
18	19	0.3	10 YR 6/1 gray silty well sorted fine sand, trace muscovite
19	20		
20	21	0.3	
21	22		10 YR 6/1 gray silty to clayey poorly sorted fine to medium subangular sand,
22	23	0.4	trace muscovite
23	24		
24	25	0.5	10 YR 6/1 gray silty well sorted fine sand



SOIL CORE / SAMPLING LOG

Boring/Well H17-AF103 Project/No. HAA-17 Page 2 of 2
Site Location Savannah, GA Drilling Started 12/16/2009 Drilling Completed 12/16/2009
Drilling Contractor ARM Driller Josh Helper Mike
Drilling Fluid Used N/A Drilling Method DPT
Total Depth Drilled 45 Feet Hole Diameter 2 " Coring Device MacroCore
Prepared By JDF Hammer Weight N/A Hammer Drop N/A ins.

Soil Characterization:

Sample/Core Depth (Feet bsl)		PID Reading (ppm)	Sample/Core Description
From	To		
25	26		
26	27	0.3	
27	28		
28	29	0.3	
29	30		
30	31	0.4	
31	32		
32	33	0.4	
33	34		
34	35	0.3	
35	36		
36	37	0.2	10 YR 6/1 gray silty poorly sorted fine to medium subangular sand
37	38		
38	39	0.3	
39	40		
40	41	0.2	
41	42		
42	43	0.2	10 YR 6/1 gray interbedded silty well sorted fine sand and high plasticity clay
43	44		
44	45	0.4	
45	46		END OF BORING
46	47		
47	48		
48	49		
49	50		



SOIL CORE / SAMPLING LOG

Boring/Well H17-AF104 Project/No. HAA-17 Page 1 of 2
Site Location Savannah, GA Drilling Started 12/16/2009 Drilling Completed 12/16/2009
Drilling Contractor ARM Driller Josh Helper Mike
Drilling Fluid Used N/A Drilling Method DPT
Total Depth Drilled 45 Feet Hole Diameter 2 " Coring Device MacroCore
Prepared By JDF Hammer Weight N/A Hammer Drop N/A ins.

Soil Characterization:

Sample/Core Depth (Feet bls)		PID Reading (ppm)	Sample/Core Description
From	To		
			concrete ~0-3"
0	1		10 YR 7/3 very pale brown silty well sorted fine sand
1	2		
2	3	0.3	10 YR 7/1 light gray well sorted fine sand
3	4		10 YR 6/6 brownish yellow clayey well sorted fine sand
4	5	0.3	
5	6		7.5 YR 6/6 reddish yellow medium firm high plasticity sandy clay
6	7	0.2	
7	8		
8	9	0.3	10 YR 7/2 very pale brown silty to clayey well sorted fine sand
9	10		7.5 YR 7/6 reddish yellow silty well sorted fine sand, wet
10	11	0.4	10 YR 7/4 very pale brown silty well sorted fine sand
11	12		
12	13	0.3	
13	14		
14	15	0.3	
15	16		10 YR 7/1 light gray silty well sorted fine sand
16	17	0.9	
17	18		10 YR 6/1 gray silty to clayey well sorted fine sand
18	19	1.4	
19	20		
20	21	2.3	
21	22		
22	23	1.9	10 YR 6/1 silty to clayey poorly sorted fine to medium subangular sand,
23	24		trace muscovite
24	25	6.0	



SOIL CORE / SAMPLING LOG

Boring/Well H17-AF104 Project/No. HAA-17 Page 2 of 2

Site Location Savannah, GA Drilling Started 12/16/2009 Drilling Completed 12/16/2009

Drilling Contractor ARM Driller Josh Helper Mike

Drilling Fluid Used N/A Drilling Method DPT

Total Depth Drilled 45 Feet Hole Diameter 2 " Coring Device MacroCore

Prepared By JDF Hammer Weight N/A Hammer Drop N/A ins.

Soil Characterization:

Sample/Core Depth (Feet bls)		PID Reading (ppm)	Sample/Core Description
From	To		
25	26		
26	27	0.5	
27	28		
28	29	0.7	
29	30		
30	31	0.5	
31	32		
32	33	0.5	
33	34		
34	35	0.5	
35	36		10 YR 6/1 gray silty to clayey poorly sorted medium to very coarse subangular
36	37	0.3	sand, some subrounded fine gravel
37	38		
38	39	0.3	
39	40		
40	41	0.5	
41	42		10 YR 6/1 gray silty poorly sorted fine to medium subangular sand
42	43	0.2	
43	44		
44	45	0.2	
45	46		END OF BORING
46	47		
47	48		
48	49		
49	50		



SOIL CORE / SAMPLING LOG

Boring/Well H17-AF105 Project/No. HAA-17 Page 1 of 2
Site Location Savannah, GA Drilling Started 12/16/2009 Drilling Completed 12/16/2009
Drilling Contractor ARM Driller Josh Helper Mike
Drilling Fluid Used N/A Drilling Method DPT
Total Depth Drilled 45 Feet Hole Diameter 2 " Coring Device MacroCore
Prepared By JDF Hammer Weight N/A Hammer Drop N/A ins.

Soil Characterization:

Sample/Core Depth (Feet bls)		PID Reading (ppm)	Sample/Core Description
From	To		
			concrete ~0-1"
0	1		10 YR 4/3 brown silty well sorted fine sand
1	2		10 YR 6/3 pale brown silty well sorted fine sand
2	3	0.1	10 YR 7/2 light gray well sorted fine sand
3	4		
4	5	0.3	
5	6		7.5 YR 7/6 reddish yellow medium firm high plasticity sandy clay
6	7	0.2	
7	8		10 YR 7/2 light gray medium firm high plasticity sandy clay
8	9	0.2	7.5 YR 7/6 reddish yellow well sorted clayey fine sand
9	10		10 YR 7/2 light gray silty well sorted fine sand, wet
10	11	0.2	
11	12		
12	13	0.2	
13	14		
14	15	0.2	
15	16		10 YR 6/2 light brownish gray clayey well sorted fine sand
16	17	0.1	
17	18		
18	19	0.3	10 YR 6/1 gray clayey well sorted fine sand
19	20		
20	21	0.1	10 YR 6/1 gray clayey poorly sorted fine to coarse subrounded to subangular
21	22		sand
22	23	0.2	
23	24		
24	25	2.2	