January 05, 2010

CTI and Associates, Inc.
Attn: Mr. Chandrashekar Koganti
51331 W. Pontiac Trail
Wixom, MI 48393

Project: JCI - Fowlerville Sediment Remediation

Dear Mr. Chandrashekar Koganti,

Enclosed is a copy of the laboratory report, comprised of the following work order(s), for test samples received by TriMatrix Laboratories:

Work Order	Received	Description
0911425	11/20/2009	Laboratory Services
0911479	11/24/2009	Laboratory Services

This report relates only to the sample(s), as received. Test results are in compliance with the requirements of the National Environmental Laboratory Accreditation Conference (NELAC). Any qualifications of results, including sample acceptance requirements, are explained in the Statement of Data Qualifications.

Estimates of analytical uncertainties for the test results contained within this report are available upon request.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Gary L. Wood
Project Chemist

Enclosures(s)

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Individual sample results relate only to the sample tested.
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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-1A**	Sampled:	11/18/09 13:25
Lab Sample ID:	**0911425-01**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/24/09 By: BJH
Dilution Factor:	1	Analyzed:	12/02/09 By: MSZ
QC Batch:	0914059	Analytical Batch:	9L03021

Polychlorinated Biphenyls (PCBs) by EPA Method 8082

CAS Number	Analyte	Analytical Result	RL	MDL
12674-11-2	PCB-1016	400U	400	5.1
11104-28-2	PCB-1221	400U	400	9.4
11141-16-5	PCB-1232	400U	400	5.4
53469-21-9	PCB-1242	400U	400	5.5
12672-29-6	PCB-1248	400U	400	7.8
11097-69-1	PCB-1254	400U	400	7.1
11096-82-5	PCB-1260	400U	400	6.0

Surrogates:	***% Recovery***	***Control Limits***
Decachlorobiphenyl	91	*48-136*
Tetrachloro-m-xylene	96	*61-123*

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Lab Sample ID:	**0911425-01**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
*67-64-1	Acetone	**320J**	900	97
107-02-8	Acrolein	300U	300	59
71-43-2	Benzene	60U	60	17
108-86-1	Bromobenzene	60U	60	13
74-97-5	Bromochloromethane	60U	60	13
75-27-4	Bromodichloromethane	60U	60	10
*75-25-2	Bromoform	60U	60	30
74-83-9	Bromomethane	60U	60	37
104-51-8	n-Butylbenzene	60U	60	17
135-98-8	sec-Butylbenzene	60U	60	19
98-06-6	tert-Butylbenzene	60U	60	18
75-15-0	Carbon Disulfide	300U	300	17
56-23-5	Carbon Tetrachloride	60U	60	13
108-90-7	Chlorobenzene	60U	60	13
75-00-3	Chloroethane	60U	60	27
67-66-3	Chloroform	60U	60	14
74-87-3	Chloromethane	60U	60	18
95-49-8	2-Chlorotoluene	60U	60	16
106-43-4	4-Chlorotoluene	60U	60	17
96-12-8	1,2-Dibromo-3-chloropropane	300U	300	21
124-48-1	Dibromochloromethane	60U	60	30
106-93-4	1,2-Dibromoethane	60U	60	11
74-95-3	Dibromomethane	60U	60	13
95-50-1	1,2-Dichlorobenzene	60U	60	14
541-73-1	1,3-Dichlorobenzene	60U	60	16
106-46-7	1,4-Dichlorobenzene	60U	60	16
75-71-8	Dichlorodifluoromethane	60U	60	11
75-34-3	1,1-Dichloroethane	60U	60	15
107-06-2	1,2-Dichloroethane	60U	60	10

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-1A**	Sampled:	11/18/09 13:25
Lab Sample ID:	**0911425-01**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
75-35-4	1,1-Dichloroethene	60U	60	17
156-59-2	cis-1,2-Dichloroethene	60U	60	13
156-60-5	trans-1,2-Dichloroethene	60U	60	20
540-59-0	1,2-Dichloroethene (Total)	120U	120	33
78-87-5	1,2-Dichloropropane	60U	60	13
142-28-9	1,3-Dichloropropane	60U	60	9.7
594-20-7	2,2-Dichloropropane	60U	60	17
563-58-6	1,1-Dichloropropene	60U	60	20
10061-01-5	cis-1,3-Dichloropropene	60U	60	11
10061-02-6	trans-1,3-Dichloropropene	60U	60	8.4
100-41-4	Ethylbenzene	60U	60	18
87-68-3	Hexachlorobutadiene	60U	60	25
591-78-6	2-Hexanone	3000U	3000	32
98-82-8	Isopropylbenzene	60U	60	17
99-87-6	4-Isopropyltoluene	60U	60	18
1634-04-4	Methyl tert-Butyl Ether	60U	60	8.4
*75-09-2	Methylene Chloride	**31J**	300	12
78-93-3	2-Butanone (MEK)	3000U	3000	30
108-10-1	4-Methyl-2-pentanone (MIBK)	3000U	3000	29
91-20-3	Naphthalene	300U	300	25
103-65-1	n-Propylbenzene	60U	60	19
100-42-5	Styrene	60U	60	11
630-20-6	1,1,1,2-Tetrachloroethane	60U	60	11
79-34-5	1,1,2,2-Tetrachloroethane	60U	60	17
127-18-4	Tetrachloroethene	60U	60	23
108-88-3	Toluene	60U	60	18
87-61-6	1,2,3-Trichlorobenzene	60U	60	12
120-82-1	1,2,4-Trichlorobenzene	60U	60	21
71-55-6	1,1,1-Trichloroethane	60U	60	19
79-00-5	1,1,2-Trichloroethane	60U	60	30
79-01-6	Trichloroethene	60U	60	21

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Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-1A**	Sampled:	11/18/09 13:25
Lab Sample ID:	**0911425-01**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*75-69-4	Trichlorofluoromethane	60U	60	19
96-18-4	1,2,3-Trichloropropane	60U	60	26
95-63-6	1,2,4-Trimethylbenzene	60U	60	17
108-67-8	1,3,5-Trimethylbenzene	60U	60	15
75-01-4	Vinyl Chloride	60U	60	15
136777-61-2	Xylene, Meta + Para	120U	120	35
95-47-6	Xylene, Ortho	60U	60	17
1330-20-7	Xylene (Total)	180U	180	51

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	96	*75-123*
1,2-Dichloroethane-d4	101	*83-116*
Toluene-d8	102	*85-113*
4-Bromofluorobenzene	97	*81-117*

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Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-1A**	Sampled:	11/18/09 13:25
Lab Sample ID:	**0911425-01**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/23/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: DMC
QC Batch:	0914163	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	**11J**	20	0.94
208-96-8	Acenaphthylene	**11J**	20	2.0
120-12-7	Anthracene	**56**	20	3.1
*92-87-5	Benzidine	800U	800	200
56-55-3	Benzo(a)anthracene	**370**	20	1.4
50-32-8	Benzo(a)pyrene	**150**	20	1.7
205-99-2	Benzo(b)fluoranthene	**320**	20	3.5
207-08-9	Benzo(k)fluoranthene	**84**	20	1.6
191-24-2	Benzo(g,h,i)perylene	**74**	40	1.1
65-85-0	Benzoic Acid	400U	400	160
*100-51-6	Benzyl Alcohol	**59**	20	5.4
101-55-3	4-Bromophenyl Phenyl Ether	20U	20	1.8
85-68-7	Butyl Benzyl Phthalate	40U	40	5.9
86-74-8	Carbazole	400U	400	100
59-50-7	4-Chloro-3-methylphenol	20U	20	4.0
106-47-8	4-Chloroaniline	40U	40	8.5
111-91-1	Bis(2-chloroethoxy)methane	20U	20	1.5
111-44-4	Bis(2-chloroethyl) Ether	20U	20	2.3
108-60-1	Bis(2-chloroisopropyl) Ether	20U	20	8.0
91-58-7	2-Chloronaphthalene	20U	20	2.6
95-57-8	2-Chlorophenol	20U	20	4.5
7005-72-3	4-Chlorophenyl Phenyl Ether	20U	20	4.0
218-01-9	Chrysene	**180**	20	4.2
53-70-3	Dibenz(a,h)anthracene	**21J**	40	9.3
132-64-9	Dibenzofuran	20U	20	11
84-74-2	Di-n-butyl Phthalate	200U	200	30
106-46-7	1,4-Dichlorobenzene	20U	20	1.0
95-50-1	1,2-Dichlorobenzene	20U	20	1.4
541-73-1	1,3-Dichlorobenzene	20U	20	1.3

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Lab Sample ID:	**0911425-01**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/23/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: DMC
QC Batch:	0914163	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*91-94-1	3,3´-Dichlorobenzidine	200U	200	34
120-83-2	2,4-Dichlorophenol	20U	20	4.1
84-66-2	Diethyl Phthalate	20U	20	4.2
105-67-9	2,4-Dimethylphenol	400U	400	1.8
131-11-3	Dimethyl Phthalate	20U	20	1.0
534-52-1	4,6-Dinitro-2-methylphenol	80U	80	24
51-28-5	2,4-Dinitrophenol	400U	400	130
606-20-2	2,6-Dinitrotoluene	20U	20	2.7
121-14-2	2,4-Dinitrotoluene	40U	40	23
117-84-0	Di-n-octyl Phthalate	20U	20	6.4
*117-81-7	Bis(2-ethylhexyl) Phthalate	**99**	40	5.6
206-44-0	Fluoranthene	**350**	20	0.92
86-73-7	Fluorene	**31**	20	8.3
118-74-1	Hexachlorobenzene	20U	20	5.1
87-68-3	Hexachlorobutadiene	20U	20	4.1
77-47-4	Hexachlorocyclopentadiene	20U	20	2.4
67-72-1	Hexachloroethane	20U	20	3.0
193-39-5	Indeno(1,2,3-cd)pyrene	**70**	40	4.4
78-59-1	Isophorone	20U	20	7.5
91-57-6	2-Methylnaphthalene	**2.0J**	20	0.55
106-44-5	4-Methylphenol	20U	20	5.3
108-39-4	3+4-Methylphenol	20U	20	5.3
95-48-7	2-Methylphenol	20U	20	5.7
91-20-3	Naphthalene	20U	20	2.5
*100-01-6	4-Nitroaniline	80U	80	1.9
88-74-4	2-Nitroaniline	20U	20	8.5
*99-09-2	3-Nitroaniline	40U	40	8.5
98-95-3	Nitrobenzene	20U	20	6.2
88-75-5	2-Nitrophenol	20U	20	8.0
100-02-7	4-Nitrophenol	400U	400	160
86-30-6	N-Nitroso-diphenylamine	20U	20	12

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Client Sample ID:	**P-09-SD-1A**	Sampled:	11/18/09 13:25
Lab Sample ID:	**0911425-01**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/23/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: DMC
QC Batch:	0914163	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
621-64-7	N-Nitroso-di-n-propylamine	20U	20	6.8
87-86-5	Pentachlorophenol	200U	200	53
85-01-8	Phenanthrene	**330**	20	1.3
108-95-2	Phenol	200U	200	54
129-00-0	Pyrene	**600**	20	1.4
110-86-1	Pyridine	20U	20	6.2
120-82-1	1,2,4-Trichlorobenzene	20U	20	4.7
95-95-4	2,4,5-Trichlorophenol	20U	20	3.0
88-06-2	2,4,6-Trichlorophenol	20U	20	2.5

Surrogates:	***% Recovery***	***Control Limits***
2-Fluorophenol	64	*33-113*
Phenol-d6	57	*30-115*
Nitrobenzene-d5	85	*33-131*
2-Fluorobiphenyl	90	*46-122*
2,4,6-Tribromophenol	93	*12-124*
o-Terphenyl	93	*20-155*

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Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
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Lab Sample ID:	**0911425-01**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Percent Solids:	83		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
***Aluminum**	**1600**		9.2	1.7	mg/kg dry wt.	1	USEPA-6010B	12/03/09	JMF	0914571
Arsenic	**3.9**		0.093	0.028	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Barium	**14**		0.093	0.030	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
***Cadmium**	**0.053**		0.047	0.0049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Chromium	**3.9**		0.093	0.042	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
***Copper**	**2.3**	**B**	0.093	0.040	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Lead	**7.9**		0.093	0.046	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Mercury	0.046	U	0.046	0.0074	mg/kg dry wt.	1	USEPA-7471A	12/02/09	DSC	0914503
Nickel	**3.9**		0.093	0.023	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Selenium	**0.070**	**J**	0.093	0.046	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Silver	**0.042**	**J**	0.047	0.010	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
***Zinc**	**12**		0.93	0.41	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574

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Lab Sample ID:	**0911425-01**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Chromium, Hexavalent	2.2	U	2.2	0.17	mg/kg dry	1	USEPA-7196A	12/06/09	HLB	0914375
Cyanide, Total	0.12	U	0.12	0.080	mg/kg dry	1	USEPA-9014	11/25/09	LMA	0914092
Fractional Organic Carbon	**0.0275**		0.0010	0.0010	g C/g Soil	1	ASTM D 2974-87	12/13/09	HLB	0914708
Percent Solids	**83**		0.1	0.1	%	1	USEPA-3550B	11/29/09	MSM	0914380
Carbon, Total Organic	**0.41**		0.10	0.0062	%	1	MSA 29-3.5.2	12/15/09	HLB	0915078

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Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-1B**	Sampled:	11/18/09 13:25
Lab Sample ID:	**0911425-02**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/24/09 By: BJH
Dilution Factor:	1	Analyzed:	12/02/09 By: MSZ
QC Batch:	0914059	Analytical Batch:	9L03021

Polychlorinated Biphenyls (PCBs) by EPA Method 8082

CAS Number	Analyte	Analytical Result	RL	MDL
12674-11-2	PCB-1016	420U	420	5.4
11104-28-2	PCB-1221	420U	420	9.9
11141-16-5	PCB-1232	420U	420	5.7
53469-21-9	PCB-1242	420U	420	5.9
12672-29-6	PCB-1248	420U	420	8.3
11097-69-1	PCB-1254	420U	420	7.5
11096-82-5	PCB-1260	420U	420	6.4

Surrogates:	***% Recovery***	***Control Limits***
Decachlorobiphenyl	97	*48-136*
Tetrachloro-m-xylene	96	*61-123*

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Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-1B**	Sampled:	11/18/09 13:25
Lab Sample ID:	**0911425-02**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
*67-64-1	Acetone	**300J**	960	100
107-02-8	Acrolein	320U	320	62
71-43-2	Benzene	64U	64	18
108-86-1	Bromobenzene	64U	64	14
74-97-5	Bromochloromethane	64U	64	14
75-27-4	Bromodichloromethane	64U	64	11
75-25-2	Bromoform	64U	64	32
74-83-9	Bromomethane	64U	64	39
104-51-8	n-Butylbenzene	64U	64	18
135-98-8	sec-Butylbenzene	64U	64	20
98-06-6	tert-Butylbenzene	64U	64	19
75-15-0	Carbon Disulfide	320U	320	18
56-23-5	Carbon Tetrachloride	64U	64	14
108-90-7	Chlorobenzene	64U	64	14
75-00-3	Chloroethane	64U	64	29
67-66-3	Chloroform	64U	64	15
74-87-3	Chloromethane	64U	64	19
95-49-8	2-Chlorotoluene	64U	64	17
106-43-4	4-Chlorotoluene	64U	64	18
96-12-8	1,2-Dibromo-3-chloropropane	320U	320	22
124-48-1	Dibromochloromethane	64U	64	32
106-93-4	1,2-Dibromoethane	64U	64	12
74-95-3	Dibromomethane	64U	64	13
95-50-1	1,2-Dichlorobenzene	64U	64	15
541-73-1	1,3-Dichlorobenzene	64U	64	17
106-46-7	1,4-Dichlorobenzene	64U	64	17
75-71-8	Dichlorodifluoromethane	64U	64	12
75-34-3	1,1-Dichloroethane	64U	64	16
107-06-2	1,2-Dichloroethane	64U	64	11

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-1B**	Sampled:	11/18/09 13:25
Lab Sample ID:	**0911425-02**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
75-35-4	1,1-Dichloroethene	64U	64	18
156-59-2	cis-1,2-Dichloroethene	64U	64	14
156-60-5	trans-1,2-Dichloroethene	64U	64	21
540-59-0	1,2-Dichloroethene (Total)	130U	130	35
78-87-5	1,2-Dichloropropane	64U	64	14
142-28-9	1,3-Dichloropropane	64U	64	10
594-20-7	2,2-Dichloropropane	64U	64	18
563-58-6	1,1-Dichloropropene	64U	64	21
10061-01-5	cis-1,3-Dichloropropene	64U	64	12
10061-02-6	trans-1,3-Dichloropropene	64U	64	8.9
100-41-4	Ethylbenzene	64U	64	19
87-68-3	Hexachlorobutadiene	64U	64	26
591-78-6	2-Hexanone	3200U	3200	33
98-82-8	Isopropylbenzene	64U	64	18
99-87-6	4-Isopropyltoluene	64U	64	19
1634-04-4	Methyl tert-Butyl Ether	64U	64	8.9
*75-09-2	Methylene Chloride	**26J**	320	13
78-93-3	2-Butanone (MEK)	3200U	3200	32
108-10-1	4-Methyl-2-pentanone (MIBK)	3200U	3200	30
91-20-3	Naphthalene	320U	320	26
103-65-1	n-Propylbenzene	64U	64	20
100-42-5	Styrene	64U	64	12
630-20-6	1,1,1,2-Tetrachloroethane	64U	64	11
79-34-5	1,1,2,2-Tetrachloroethane	64U	64	18
127-18-4	Tetrachloroethene	64U	64	25
108-88-3	Toluene	64U	64	19
87-61-6	1,2,3-Trichlorobenzene	64U	64	13
120-82-1	1,2,4-Trichlorobenzene	64U	64	22
71-55-6	1,1,1-Trichloroethane	64U	64	20
79-00-5	1,1,2-Trichloroethane	64U	64	32
79-01-6	Trichloroethene	64U	64	22

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-1B**	Sampled:	11/18/09 13:25
Lab Sample ID:	**0911425-02**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*75-69-4	Trichlorofluoromethane	64U	64	20
96-18-4	1,2,3-Trichloropropane	64U	64	28
95-63-6	1,2,4-Trimethylbenzene	64U	64	18
108-67-8	1,3,5-Trimethylbenzene	64U	64	16
75-01-4	Vinyl Chloride	64U	64	16
136777-61-2	Xylene, Meta + Para	130U	130	37
95-47-6	Xylene, Ortho	64U	64	18
1330-20-7	Xylene (Total)	190U	190	54

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	93	*75-123*
1,2-Dichloroethane-d4	98	*83-116*
Toluene-d8	101	*85-113*
4-Bromofluorobenzene	94	*81-117*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-1B**	Sampled:	11/18/09 13:25
Lab Sample ID:	**0911425-02**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/23/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: DMC
QC Batch:	0914163	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	21U	21	0.99
208-96-8	Acenaphthylene	21U	21	2.1
120-12-7	Anthracene	21U	21	3.3
*92-87-5	Benzidine	850U	850	210
56-55-3	Benzo(a)anthracene	**2.2J**	21	1.4
50-32-8	Benzo(a)pyrene	21U	21	1.8
205-99-2	Benzo(b)fluoranthene	21U	21	3.7
*207-08-9	Benzo(k)fluoranthene	21U	21	1.6
191-24-2	Benzo(g,h,i)perylene	42U	42	1.2
65-85-0	Benzoic Acid	420U	420	160
*100-51-6	Benzyl Alcohol	**160**	21	5.7
101-55-3	4-Bromophenyl Phenyl Ether	21U	21	1.9
85-68-7	Butyl Benzyl Phthalate	42U	42	6.2
86-74-8	Carbazole	420U	420	110
59-50-7	4-Chloro-3-methylphenol	21U	21	4.2
106-47-8	4-Chloroaniline	42U	42	9.0
111-91-1	Bis(2-chloroethoxy)methane	21U	21	1.6
111-44-4	Bis(2-chloroethyl) Ether	21U	21	2.4
108-60-1	Bis(2-chloroisopropyl) Ether	21U	21	8.5
91-58-7	2-Chloronaphthalene	21U	21	2.8
95-57-8	2-Chlorophenol	21U	21	4.8
7005-72-3	4-Chlorophenyl Phenyl Ether	21U	21	4.3
218-01-9	Chrysene	21U	21	4.4
53-70-3	Dibenz(a,h)anthracene	42U	42	9.8
132-64-9	Dibenzofuran	21U	21	11
84-74-2	Di-n-butyl Phthalate	210U	210	32
106-46-7	1,4-Dichlorobenzene	21U	21	1.1
95-50-1	1,2-Dichlorobenzene	21U	21	1.5
541-73-1	1,3-Dichlorobenzene	21U	21	1.3

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-1B**	Sampled:	11/18/09 13:25
Lab Sample ID:	**0911425-02**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/23/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: DMC
QC Batch:	0914163	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*91-94-1	3,3´-Dichlorobenzidine	210U	210	35
120-83-2	2,4-Dichlorophenol	21U	21	4.3
84-66-2	Diethyl Phthalate	21U	21	4.4
105-67-9	2,4-Dimethylphenol	420U	420	1.9
131-11-3	Dimethyl Phthalate	21U	21	1.1
534-52-1	4,6-Dinitro-2-methylphenol	85U	85	26
51-28-5	2,4-Dinitrophenol	420U	420	130
606-20-2	2,6-Dinitrotoluene	21U	21	2.9
121-14-2	2,4-Dinitrotoluene	42U	42	24
117-84-0	Di-n-octyl Phthalate	21U	21	6.8
*117-81-7	Bis(2-ethylhexyl) Phthalate	**58**	42	5.9
206-44-0	Fluoranthene	**1.3J**	21	0.97
86-73-7	Fluorene	21U	21	8.8
118-74-1	Hexachlorobenzene	21U	21	5.4
87-68-3	Hexachlorobutadiene	21U	21	4.4
*77-47-4	Hexachlorocyclopentadiene	21U	21	2.6
*67-72-1	Hexachloroethane	21U	21	3.2
193-39-5	Indeno(1,2,3-cd)pyrene	42U	42	4.7
78-59-1	Isophorone	21U	21	7.9
91-57-6	2-Methylnaphthalene	21U	21	0.58
106-44-5	4-Methylphenol	21U	21	5.7
108-39-4	3+4-Methylphenol	21U	21	5.7
95-48-7	2-Methylphenol	21U	21	6.1
91-20-3	Naphthalene	21U	21	2.7
*100-01-6	4-Nitroaniline	85U	85	2.0
88-74-4	2-Nitroaniline	21U	21	9.0
*99-09-2	3-Nitroaniline	42U	42	9.0
98-95-3	Nitrobenzene	21U	21	6.6
88-75-5	2-Nitrophenol	21U	21	8.4
*100-02-7	4-Nitrophenol	420U	420	170
86-30-6	N-Nitroso-diphenylamine	21U	21	12

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-1B**	Sampled:	11/18/09 13:25
Lab Sample ID:	**0911425-02**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/23/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: DMC
QC Batch:	0914163	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
621-64-7	N-Nitroso-di-n-propylamine	21U	21	7.2
87-86-5	Pentachlorophenol	210U	210	56
85-01-8	Phenanthrene	21U	21	1.3
108-95-2	Phenol	210U	210	57
129-00-0	Pyrene	**1.7J**	21	1.5
*110-86-1	Pyridine	21U	21	6.5
120-82-1	1,2,4-Trichlorobenzene	21U	21	5.0
95-95-4	2,4,5-Trichlorophenol	21U	21	3.1
88-06-2	2,4,6-Trichlorophenol	21U	21	2.6

Surrogates:	***% Recovery***	***Control Limits***
2-Fluorophenol	82	*33-113*
Phenol-d6	76	*30-115*
Nitrobenzene-d5	86	*33-131*
2-Fluorobiphenyl	92	*46-122*
2,4,6-Tribromophenol	87	*12-124*
o-Terphenyl	96	*20-155*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-1B**	Sampled:	11/18/09 13:25
Lab Sample ID:	**0911425-02**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Percent Solids:	78		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Aluminum	**1800**		10	1.8	mg/kg dry wt.	1	USEPA-6010B	12/03/09	JMF	0914571
Arsenic	**4.4**		0.10	0.030	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Barium	**17**		0.10	0.032	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Cadmium	**0.059**		0.050	0.0053	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Chromium	**3.6**		0.10	0.045	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
***Copper**	**2.6**	**B**	0.10	0.043	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Lead	**1.8**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Mercury	0.050	U	0.050	0.0080	mg/kg dry wt.	1	USEPA-7471A	12/02/09	DSC	0914503
Nickel	**3.7**		0.10	0.025	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Selenium	**0.10**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Silver	**0.043**	**J**	0.050	0.011	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Zinc	**11**		1.0	0.44	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-1B**	Sampled:	11/18/09 13:25
Lab Sample ID:	**0911425-02**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Chromium, Hexavalent	2.6	U	2.6	0.20	mg/kg dry	1	USEPA-7196A	12/06/09	HLB	0914375
Cyanide, Total	0.13	U	0.13	0.085	mg/kg dry	1	USEPA-9014	11/25/09	LMA	0914092
Fractional Organic Carbon	**0.0066**		0.0010	0.0010	g C/g Soil	1	ASTM D 2974-87	12/13/09	HLB	0914708
Percent Solids	**78**		0.1	0.1	%	1	USEPA-3550B	11/29/09	MSM	0914380
Carbon, Total Organic	**0.91**		0.10	0.0062	%	1	MSA 29-3.5.2	12/15/09	HLB	0915078

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-2A**	Sampled:	11/18/09 13:50
Lab Sample ID:	**0911425-03**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/24/09 By: BJH
Dilution Factor:	1	Analyzed:	12/02/09 By: MSZ
QC Batch:	0914059	Analytical Batch:	9L03021

Polychlorinated Biphenyls (PCBs) by EPA Method 8082

CAS Number	Analyte	Analytical Result	RL	MDL
12674-11-2	PCB-1016	520U	520	6.6
11104-28-2	PCB-1221	520U	520	12
11141-16-5	PCB-1232	520U	520	7.1
53469-21-9	PCB-1242	520U	520	7.3
12672-29-6	PCB-1248	520U	520	10
11097-69-1	PCB-1254	520U	520	9.3
11096-82-5	PCB-1260	520U	520	7.9

Surrogates:	***% Recovery***	***Control Limits***
Decachlorobiphenyl	99	*48-136*
Tetrachloro-m-xylene	95	*61-123*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-2A**	Sampled:	11/18/09 13:50
Lab Sample ID:	**0911425-03**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
*67-64-1	Acetone	**340J**	1200	130
107-02-8	Acrolein	400U	400	77
71-43-2	Benzene	79U	79	23
108-86-1	Bromobenzene	79U	79	18
74-97-5	Bromochloromethane	79U	79	17
75-27-4	Bromodichloromethane	79U	79	13
75-25-2	Bromoform	79U	79	40
74-83-9	Bromomethane	79U	79	49
104-51-8	n-Butylbenzene	79U	79	22
135-98-8	sec-Butylbenzene	79U	79	24
98-06-6	tert-Butylbenzene	79U	79	23
75-15-0	Carbon Disulfide	400U	400	22
56-23-5	Carbon Tetrachloride	79U	79	17
108-90-7	Chlorobenzene	79U	79	18
75-00-3	Chloroethane	79U	79	36
67-66-3	Chloroform	79U	79	18
74-87-3	Chloromethane	79U	79	24
95-49-8	2-Chlorotoluene	79U	79	21
106-43-4	4-Chlorotoluene	79U	79	22
96-12-8	1,2-Dibromo-3-chloropropane	400U	400	28
124-48-1	Dibromochloromethane	79U	79	40
106-93-4	1,2-Dibromoethane	79U	79	15
74-95-3	Dibromomethane	79U	79	17
95-50-1	1,2-Dichlorobenzene	79U	79	18
541-73-1	1,3-Dichlorobenzene	79U	79	21
106-46-7	1,4-Dichlorobenzene	79U	79	21
75-71-8	Dichlorodifluoromethane	79U	79	15
75-34-3	1,1-Dichloroethane	79U	79	19
107-06-2	1,2-Dichloroethane	79U	79	14

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-2A**	Sampled:	11/18/09 13:50
Lab Sample ID:	**0911425-03**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
75-35-4	1,1-Dichloroethene	79U	79	23
156-59-2	cis-1,2-Dichloroethene	79U	79	17
156-60-5	trans-1,2-Dichloroethene	79U	79	26
540-59-0	1,2-Dichloroethene (Total)	160U	160	43
78-87-5	1,2-Dichloropropane	79U	79	17
142-28-9	1,3-Dichloropropane	79U	79	13
594-20-7	2,2-Dichloropropane	79U	79	22
563-58-6	1,1-Dichloropropene	79U	79	26
10061-01-5	cis-1,3-Dichloropropene	79U	79	14
10061-02-6	trans-1,3-Dichloropropene	79U	79	11
100-41-4	Ethylbenzene	79U	79	24
87-68-3	Hexachlorobutadiene	79U	79	32
591-78-6	2-Hexanone	4000U	4000	41
98-82-8	Isopropylbenzene	79U	79	22
99-87-6	4-Isopropyltoluene	79U	79	23
1634-04-4	Methyl tert-Butyl Ether	79U	79	11
*75-09-2	Methylene Chloride	**48J**	400	16
78-93-3	2-Butanone (MEK)	4000U	4000	40
108-10-1	4-Methyl-2-pentanone (MIBK)	4000U	4000	38
91-20-3	Naphthalene	400U	400	33
103-65-1	n-Propylbenzene	79U	79	25
100-42-5	Styrene	79U	79	15
630-20-6	1,1,1,2-Tetrachloroethane	79U	79	14
79-34-5	1,1,2,2-Tetrachloroethane	79U	79	22
127-18-4	Tetrachloroethene	79U	79	31
108-88-3	Toluene	79U	79	23
87-61-6	1,2,3-Trichlorobenzene	79U	79	16
120-82-1	1,2,4-Trichlorobenzene	79U	79	28
71-55-6	1,1,1-Trichloroethane	79U	79	25
79-00-5	1,1,2-Trichloroethane	79U	79	40
79-01-6	Trichloroethene	79U	79	28

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-2A**	Sampled:	11/18/09 13:50
Lab Sample ID:	**0911425-03**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*75-69-4	Trichlorofluoromethane	79U	79	24
96-18-4	1,2,3-Trichloropropane	79U	79	34
95-63-6	1,2,4-Trimethylbenzene	79U	79	23
108-67-8	1,3,5-Trimethylbenzene	79U	79	20
75-01-4	Vinyl Chloride	79U	79	19
136777-61-2	Xylene, Meta + Para	160U	160	46
95-47-6	Xylene, Ortho	79U	79	22
1330-20-7	Xylene (Total)	240U	240	67

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	93	*75-123*
1,2-Dichloroethane-d4	99	*83-116*
Toluene-d8	101	*85-113*
4-Bromofluorobenzene	97	*81-117*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-2A**	Sampled:	11/18/09 13:50
Lab Sample ID:	**0911425-03**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/23/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: DMC
QC Batch:	0914163	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	**3.7J**	26	1.2
208-96-8	Acenaphthylene	26U	26	2.6
120-12-7	Anthracene	**15J**	26	4.0
*92-87-5	Benzidine	1100U	1100	260
56-55-3	Benzo(a)anthracene	**67**	26	1.8
50-32-8	Benzo(a)pyrene	**46**	26	2.2
205-99-2	Benzo(b)fluoranthene	**67**	26	4.6
207-08-9	Benzo(k)fluoranthene	**38**	26	2.0
191-24-2	Benzo(g,h,i)perylene	**19J**	53	1.5
65-85-0	Benzoic Acid	530U	530	200
100-51-6	Benzyl Alcohol	26U	26	7.1
101-55-3	4-Bromophenyl Phenyl Ether	26U	26	2.4
85-68-7	Butyl Benzyl Phthalate	53U	53	7.7
86-74-8	Carbazole	530U	530	130
59-50-7	4-Chloro-3-methylphenol	26U	26	5.2
106-47-8	4-Chloroaniline	53U	53	11
111-91-1	Bis(2-chloroethoxy)methane	26U	26	2.0
111-44-4	Bis(2-chloroethyl) Ether	26U	26	3.0
108-60-1	Bis(2-chloroisopropyl) Ether	26U	26	11
91-58-7	2-Chloronaphthalene	26U	26	3.4
95-57-8	2-Chlorophenol	26U	26	5.9
7005-72-3	4-Chlorophenyl Phenyl Ether	26U	26	5.3
218-01-9	Chrysene	**54**	26	5.5
53-70-3	Dibenz(a,h)anthracene	53U	53	12
132-64-9	Dibenzofuran	26U	26	14
84-74-2	Di-n-butyl Phthalate	260U	260	39
106-46-7	1,4-Dichlorobenzene	26U	26	1.4
95-50-1	1,2-Dichlorobenzene	26U	26	1.9
541-73-1	1,3-Dichlorobenzene	26U	26	1.7

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-2A**	Sampled:	11/18/09 13:50
Lab Sample ID:	**0911425-03**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/23/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: DMC
QC Batch:	0914163	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*91-94-1	3,3´-Dichlorobenzidine	260U	260	44
120-83-2	2,4-Dichlorophenol	26U	26	5.3
84-66-2	Diethyl Phthalate	26U	26	5.5
105-67-9	2,4-Dimethylphenol	530U	530	2.4
131-11-3	Dimethyl Phthalate	26U	26	1.4
534-52-1	4,6-Dinitro-2-methylphenol	110U	110	32
51-28-5	2,4-Dinitrophenol	530U	530	170
606-20-2	2,6-Dinitrotoluene	26U	26	3.6
121-14-2	2,4-Dinitrotoluene	53U	53	30
117-84-0	Di-n-octyl Phthalate	26U	26	8.4
*117-81-7	Bis(2-ethylhexyl) Phthalate	**56**	53	7.3
206-44-0	Fluoranthene	**140**	26	1.2
86-73-7	Fluorene	26U	26	11
118-74-1	Hexachlorobenzene	26U	26	6.7
87-68-3	Hexachlorobutadiene	26U	26	5.4
77-47-4	Hexachlorocyclopentadiene	26U	26	3.2
67-72-1	Hexachloroethane	26U	26	3.9
193-39-5	Indeno(1,2,3-cd)pyrene	**20J**	53	5.8
78-59-1	Isophorone	26U	26	9.8
91-57-6	2-Methylnaphthalene	26U	26	0.72
106-44-5	4-Methylphenol	26U	26	7.0
108-39-4	3+4-Methylphenol	26U	26	7.0
95-48-7	2-Methylphenol	26U	26	7.5
91-20-3	Naphthalene	26U	26	3.3
*100-01-6	4-Nitroaniline	110U	110	2.5
88-74-4	2-Nitroaniline	26U	26	11
*99-09-2	3-Nitroaniline	53U	53	11
98-95-3	Nitrobenzene	26U	26	8.1
88-75-5	2-Nitrophenol	26U	26	10
100-02-7	4-Nitrophenol	530U	530	210
86-30-6	N-Nitroso-diphenylamine	26U	26	15

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-2A**	Sampled:	11/18/09 13:50
Lab Sample ID:	**0911425-03**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/23/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: DMC
QC Batch:	0914163	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
621-64-7	N-Nitroso-di-n-propylamine	26U	26	8.9
87-86-5	Pentachlorophenol	260U	260	70
85-01-8	Phenanthrene	**61**	26	1.7
108-95-2	Phenol	260U	260	71
129-00-0	Pyrene	**120**	26	1.9
110-86-1	Pyridine	26U	26	8.1
120-82-1	1,2,4-Trichlorobenzene	26U	26	6.2
95-95-4	2,4,5-Trichlorophenol	26U	26	3.9
88-06-2	2,4,6-Trichlorophenol	26U	26	3.2

Surrogates:	***% Recovery***	***Control Limits***
2-Fluorophenol	62	*33-113*
Phenol-d6	51	*30-115*
Nitrobenzene-d5	82	*33-131*
2-Fluorobiphenyl	91	*46-122*
2,4,6-Tribromophenol	90	*12-124*
o-Terphenyl	100	*20-155*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-2A**	Sampled:	11/18/09 13:50
Lab Sample ID:	**0911425-03**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Percent Solids:	63		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Aluminum	**3200**		10	1.8	mg/kg dry wt.	1	USEPA-6010B	12/03/09	JMF	0914571
Arsenic	**11**		0.10	0.030	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Barium	**25**		0.10	0.032	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Cadmium	**0.086**		0.050	0.0053	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Chromium	**7.0**		0.10	0.045	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
***Copper**	**5.9**	**B**	0.10	0.043	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Lead	**22**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Mercury	0.050	U	0.050	0.0080	mg/kg dry wt.	1	USEPA-7471A	12/02/09	DSC	0914503
Nickel	**6.6**		0.10	0.025	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Selenium	0.10	U	0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Silver	**0.049**	**J**	0.050	0.011	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Zinc	**18**		1.0	0.44	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-2A**	Sampled:	11/18/09 13:50
Lab Sample ID:	**0911425-03**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Chromium, Hexavalent	3.2	U	3.2	0.24	mg/kg dry	1	USEPA-7196A	12/06/09	HLB	0914375
Cyanide, Total	0.16	U	0.16	0.11	mg/kg dry	1	USEPA-9014	11/25/09	LMA	0914092
Fractional Organic Carbon	**0.0110**		0.0010	0.0010	g C/g Soil	1	ASTM D 2974-87	12/13/09	HLB	0914708
Percent Solids	**63**		0.1	0.1	%	1	USEPA-3550B	11/29/09	MSM	0914380
Carbon, Total Organic	**1.6**		0.10	0.0062	%	1	MSA 29-3.5.2	12/15/09	HLB	0915078

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-2B**	Sampled:	11/18/09 13:50
Lab Sample ID:	**0911425-04**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/24/09 By: BJH
Dilution Factor:	1	Analyzed:	12/02/09 By: MSZ
QC Batch:	0914059	Analytical Batch:	9L03021

Polychlorinated Biphenyls (PCBs) by EPA Method 8082

CAS Number	Analyte	Analytical Result	RL	MDL
12674-11-2	PCB-1016	410U	410	5.2
11104-28-2	PCB-1221	410U	410	9.6
11141-16-5	PCB-1232	410U	410	5.6
53469-21-9	PCB-1242	410U	410	5.7
12672-29-6	PCB-1248	410U	410	8.0
11097-69-1	PCB-1254	410U	410	7.3
11096-82-5	PCB-1260	410U	410	6.2

Surrogates:	***% Recovery***	***Control Limits***
Decachlorobiphenyl	91	*48-136*
Tetrachloro-m-xylene	91	*61-123*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-2B**	Sampled:	11/18/09 13:50
Lab Sample ID:	**0911425-04**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
*67-64-1	Acetone	**290J**	930	100
107-02-8	Acrolein	310U	310	60
71-43-2	Benzene	62U	62	18
108-86-1	Bromobenzene	62U	62	14
74-97-5	Bromochloromethane	62U	62	14
75-27-4	Bromodichloromethane	62U	62	10
75-25-2	Bromoform	62U	62	31
74-83-9	Bromomethane	62U	62	38
104-51-8	n-Butylbenzene	62U	62	17
135-98-8	sec-Butylbenzene	62U	62	19
98-06-6	tert-Butylbenzene	62U	62	18
75-15-0	Carbon Disulfide	310U	310	17
56-23-5	Carbon Tetrachloride	62U	62	14
108-90-7	Chlorobenzene	62U	62	14
75-00-3	Chloroethane	62U	62	28
67-66-3	Chloroform	62U	62	14
74-87-3	Chloromethane	62U	62	18
95-49-8	2-Chlorotoluene	62U	62	17
106-43-4	4-Chlorotoluene	62U	62	18
96-12-8	1,2-Dibromo-3-chloropropane	310U	310	21
124-48-1	Dibromochloromethane	62U	62	31
106-93-4	1,2-Dibromoethane	62U	62	11
74-95-3	Dibromomethane	62U	62	13
95-50-1	1,2-Dichlorobenzene	62U	62	14
541-73-1	1,3-Dichlorobenzene	62U	62	17
106-46-7	1,4-Dichlorobenzene	62U	62	17
75-71-8	Dichlorodifluoromethane	62U	62	12
75-34-3	1,1-Dichloroethane	62U	62	15
107-06-2	1,2-Dichloroethane	62U	62	11

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-2B**	Sampled:	11/18/09 13:50
Lab Sample ID:	**0911425-04**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
75-35-4	1,1-Dichloroethene	62U	62	18
156-59-2	cis-1,2-Dichloroethene	62U	62	13
156-60-5	trans-1,2-Dichloroethene	62U	62	21
540-59-0	1,2-Dichloroethene (Total)	120U	120	34
78-87-5	1,2-Dichloropropane	62U	62	13
142-28-9	1,3-Dichloropropane	62U	62	10
594-20-7	2,2-Dichloropropane	62U	62	17
563-58-6	1,1-Dichloropropene	62U	62	20
10061-01-5	cis-1,3-Dichloropropene	62U	62	11
10061-02-6	trans-1,3-Dichloropropene	62U	62	8.6
100-41-4	Ethylbenzene	62U	62	19
87-68-3	Hexachlorobutadiene	62U	62	25
591-78-6	2-Hexanone	3100U	3100	32
98-82-8	Isopropylbenzene	62U	62	17
99-87-6	4-Isopropyltoluene	62U	62	18
1634-04-4	Methyl tert-Butyl Ether	62U	62	8.6
*75-09-2	Methylene Chloride	**30J**	310	13
78-93-3	2-Butanone (MEK)	3100U	3100	31
108-10-1	4-Methyl-2-pentanone (MIBK)	3100U	3100	29
91-20-3	Naphthalene	310U	310	26
103-65-1	n-Propylbenzene	62U	62	19
100-42-5	Styrene	62U	62	12
630-20-6	1,1,1,2-Tetrachloroethane	62U	62	11
79-34-5	1,1,2,2-Tetrachloroethane	62U	62	17
127-18-4	Tetrachloroethene	62U	62	24
108-88-3	Toluene	62U	62	18
87-61-6	1,2,3-Trichlorobenzene	62U	62	13
120-82-1	1,2,4-Trichlorobenzene	62U	62	22
71-55-6	1,1,1-Trichloroethane	62U	62	19
79-00-5	1,1,2-Trichloroethane	62U	62	31
79-01-6	Trichloroethene	62U	62	22

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-2B**	Sampled:	11/18/09 13:50
Lab Sample ID:	**0911425-04**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*75-69-4	Trichlorofluoromethane	62U	62	19
96-18-4	1,2,3-Trichloropropane	62U	62	27
95-63-6	1,2,4-Trimethylbenzene	62U	62	18
108-67-8	1,3,5-Trimethylbenzene	62U	62	16
75-01-4	Vinyl Chloride	62U	62	15
136777-61-2	Xylene, Meta + Para	120U	120	36
95-47-6	Xylene, Ortho	62U	62	17
1330-20-7	Xylene (Total)	190U	190	53

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	93	*75-123*
1,2-Dichloroethane-d4	99	*83-116*
Toluene-d8	102	*85-113*
4-Bromofluorobenzene	96	*81-117*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-2B**	Sampled:	11/18/09 13:50
Lab Sample ID:	**0911425-04**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/23/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: DMC
QC Batch:	0914163	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	21U	21	0.96
208-96-8	Acenaphthylene	21U	21	2.1
120-12-7	Anthracene	21U	21	3.1
*92-87-5	Benzidine	820U	820	210
56-55-3	Benzo(a)anthracene	**2.5J**	21	1.4
50-32-8	Benzo(a)pyrene	21U	21	1.7
205-99-2	Benzo(b)fluoranthene	21U	21	3.6
207-08-9	Benzo(k)fluoranthene	21U	21	1.6
191-24-2	Benzo(g,h,i)perylene	41U	41	1.2
65-85-0	Benzoic Acid	410U	410	160
*100-51-6	Benzyl Alcohol	**78**	21	5.5
101-55-3	4-Bromophenyl Phenyl Ether	21U	21	1.8
85-68-7	Butyl Benzyl Phthalate	41U	41	6.1
86-74-8	Carbazole	410U	410	100
59-50-7	4-Chloro-3-methylphenol	21U	21	4.1
106-47-8	4-Chloroaniline	41U	41	8.7
111-91-1	Bis(2-chloroethoxy)methane	21U	21	1.5
111-44-4	Bis(2-chloroethyl) Ether	21U	21	2.3
108-60-1	Bis(2-chloroisopropyl) Ether	21U	21	8.2
91-58-7	2-Chloronaphthalene	21U	21	2.7
95-57-8	2-Chlorophenol	21U	21	4.6
7005-72-3	4-Chlorophenyl Phenyl Ether	21U	21	4.1
218-01-9	Chrysene	21U	21	4.3
53-70-3	Dibenz(a,h)anthracene	41U	41	9.5
132-64-9	Dibenzofuran	21U	21	11
84-74-2	Di-n-butyl Phthalate	210U	210	31
106-46-7	1,4-Dichlorobenzene	21U	21	1.1
95-50-1	1,2-Dichlorobenzene	21U	21	1.5
541-73-1	1,3-Dichlorobenzene	21U	21	1.3

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-2B**	Sampled:	11/18/09 13:50
Lab Sample ID:	**0911425-04**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/23/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: DMC
QC Batch:	0914163	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*91-94-1	3,3´-Dichlorobenzidine	210U	210	34
120-83-2	2,4-Dichlorophenol	21U	21	4.2
84-66-2	Diethyl Phthalate	21U	21	4.3
105-67-9	2,4-Dimethylphenol	410U	410	1.8
131-11-3	Dimethyl Phthalate	21U	21	1.1
534-52-1	4,6-Dinitro-2-methylphenol	82U	82	25
51-28-5	2,4-Dinitrophenol	410U	410	130
606-20-2	2,6-Dinitrotoluene	21U	21	2.8
121-14-2	2,4-Dinitrotoluene	41U	41	23
117-84-0	Di-n-octyl Phthalate	21U	21	6.6
*117-81-7	Bis(2-ethylhexyl) Phthalate	**53**	41	5.7
206-44-0	Fluoranthene	**2.1J**	21	0.94
86-73-7	Fluorene	21U	21	8.5
118-74-1	Hexachlorobenzene	21U	21	5.3
87-68-3	Hexachlorobutadiene	21U	21	4.2
77-47-4	Hexachlorocyclopentadiene	21U	21	2.5
67-72-1	Hexachloroethane	21U	21	3.1
193-39-5	Indeno(1,2,3-cd)pyrene	41U	41	4.5
78-59-1	Isophorone	21U	21	7.7
91-57-6	2-Methylnaphthalene	21U	21	0.56
106-44-5	4-Methylphenol	21U	21	5.5
108-39-4	3+4-Methylphenol	21U	21	5.5
95-48-7	2-Methylphenol	21U	21	5.9
91-20-3	Naphthalene	21U	21	2.6
*100-01-6	4-Nitroaniline	82U	82	2.0
88-74-4	2-Nitroaniline	21U	21	8.8
*99-09-2	3-Nitroaniline	41U	41	8.7
98-95-3	Nitrobenzene	21U	21	6.4
88-75-5	2-Nitrophenol	21U	21	8.2
100-02-7	4-Nitrophenol	410U	410	160
86-30-6	N-Nitroso-diphenylamine	21U	21	12

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-2B**	Sampled:	11/18/09 13:50
Lab Sample ID:	**0911425-04**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/23/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: DMC
QC Batch:	0914163	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
621-64-7	N-Nitroso-di-n-propylamine	21U	21	6.9
87-86-5	Pentachlorophenol	210U	210	54
85-01-8	Phenanthrene	21U	21	1.3
108-95-2	Phenol	210U	210	55
129-00-0	Pyrene	**3.3J**	21	1.5
110-86-1	Pyridine	21U	21	6.3
120-82-1	1,2,4-Trichlorobenzene	21U	21	4.8
95-95-4	2,4,5-Trichlorophenol	21U	21	3.0
88-06-2	2,4,6-Trichlorophenol	21U	21	2.5

Surrogates:	***% Recovery***	***Control Limits***
2-Fluorophenol	67	*33-113*
Phenol-d6	60	*30-115*
Nitrobenzene-d5	83	*33-131*
2-Fluorobiphenyl	94	*46-122*
2,4,6-Tribromophenol	91	*12-124*
o-Terphenyl	91	*20-155*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-2B**	Sampled:	11/18/09 13:50
Lab Sample ID:	**0911425-04**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Percent Solids:	81		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Aluminum	**6300**		10	1.8	mg/kg dry wt.	1	USEPA-6010B	12/03/09	JMF	0914571
Arsenic	**11**		0.10	0.030	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Barium	**51**		0.20	0.064	mg/kg dry wt.	2	USEPA-6020A	12/07/09	DSC	0914574
Cadmium	**0.16**		0.050	0.0053	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Chromium	**12**		0.10	0.045	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
***Copper**	**10**	**B**	0.10	0.043	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Lead	**6.3**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Mercury	0.046	U	0.046	0.0074	mg/kg dry wt.	1	USEPA-7471A	12/02/09	DSC	0914503
Nickel	**13**		0.10	0.025	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Selenium	**0.19**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Silver	**0.086**		0.050	0.011	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Zinc	**33**		1.0	0.44	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-2B**	Sampled:	11/18/09 13:50
Lab Sample ID:	**0911425-04**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Chromium, Hexavalent	2.5	U	2.5	0.19	mg/kg dry	1	USEPA-7196A	12/06/09	HLB	0914375
Cyanide, Total	0.12	U	0.12	0.082	mg/kg dry	1	USEPA-9014	11/25/09	LMA	0914092
Fractional Organic Carbon	**0.0122**		0.0010	0.0010	g C/g Soil	1	ASTM D 2974-87	12/13/09	HLB	0914708
Percent Solids	**81**		0.1	0.1	%	1	USEPA-3550B	11/29/09	MSM	0914380
Carbon, Total Organic	**1.3**		0.10	0.0062	%	1	MSA 29-3.5.2	12/15/09	HLB	0915078

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-3A**	Sampled:	11/19/09 09:50
Lab Sample ID:	**0911425-05**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/01/09 By: BJH
Dilution Factor:	1	Analyzed:	12/03/09 By: MSZ
QC Batch:	0914457	Analytical Batch:	9L03062

Polychlorinated Biphenyls (PCBs) by EPA Method 8082

CAS Number	Analyte	Analytical Result	RL	MDL
12674-11-2	PCB-1016	760U	760	9.7
11104-28-2	PCB-1221	760U	760	18
11141-16-5	PCB-1232	760U	760	10
53469-21-9	PCB-1242	760U	760	11
12672-29-6	PCB-1248	760U	760	15
11097-69-1	PCB-1254	760U	760	14
11096-82-5	PCB-1260	760U	760	12

Surrogates:	***% Recovery***	***Control Limits***
Decachlorobiphenyl	62	*48-136*
Tetrachloro-m-xylene	91	*61-123*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-3A**	Sampled:	11/19/09 09:50
Lab Sample ID:	**0911425-05**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
*67-64-1	Acetone	**550J**	1700	190
107-02-8	Acrolein	580U	580	110
71-43-2	Benzene	120U	120	33
108-86-1	Bromobenzene	120U	120	26
74-97-5	Bromochloromethane	120U	120	25
75-27-4	Bromodichloromethane	120U	120	20
75-25-2	Bromoform	120U	120	58
74-83-9	Bromomethane	120U	120	71
104-51-8	n-Butylbenzene	120U	120	32
135-98-8	sec-Butylbenzene	120U	120	36
98-06-6	tert-Butylbenzene	120U	120	34
75-15-0	Carbon Disulfide	580U	580	33
56-23-5	Carbon Tetrachloride	120U	120	25
108-90-7	Chlorobenzene	120U	120	26
75-00-3	Chloroethane	120U	120	52
67-66-3	Chloroform	120U	120	26
74-87-3	Chloromethane	120U	120	34
95-49-8	2-Chlorotoluene	120U	120	31
106-43-4	4-Chlorotoluene	120U	120	33
96-12-8	1,2-Dibromo-3-chloropropane	580U	580	40
124-48-1	Dibromochloromethane	120U	120	58
106-93-4	1,2-Dibromoethane	120U	120	21
74-95-3	Dibromomethane	120U	120	24
95-50-1	1,2-Dichlorobenzene	120U	120	27
541-73-1	1,3-Dichlorobenzene	120U	120	31
106-46-7	1,4-Dichlorobenzene	120U	120	31
75-71-8	Dichlorodifluoromethane	120U	120	22
75-34-3	1,1-Dichloroethane	120U	120	28
107-06-2	1,2-Dichloroethane	120U	120	20

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-3A**	Sampled:	11/19/09 09:50
Lab Sample ID:	**0911425-05**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
75-35-4	1,1-Dichloroethene	120U	120	33
156-59-2	cis-1,2-Dichloroethene	120U	120	25
156-60-5	trans-1,2-Dichloroethene	120U	120	38
540-59-0	1,2-Dichloroethene (Total)	230U	230	63
78-87-5	1,2-Dichloropropane	120U	120	25
142-28-9	1,3-Dichloropropane	120U	120	19
594-20-7	2,2-Dichloropropane	120U	120	33
563-58-6	1,1-Dichloropropene	120U	120	38
10061-01-5	cis-1,3-Dichloropropene	120U	120	21
10061-02-6	trans-1,3-Dichloropropene	120U	120	16
100-41-4	Ethylbenzene	120U	120	35
87-68-3	Hexachlorobutadiene	120U	120	47
591-78-6	2-Hexanone	5800U	5800	61
98-82-8	Isopropylbenzene	120U	120	32
99-87-6	4-Isopropyltoluene	120U	120	34
1634-04-4	Methyl tert-Butyl Ether	120U	120	16
*75-09-2	Methylene Chloride	**49J**	580	24
78-93-3	2-Butanone (MEK)	5800U	5800	58
108-10-1	4-Methyl-2-pentanone (MIBK)	5800U	5800	55
91-20-3	Naphthalene	580U	580	48
103-65-1	n-Propylbenzene	120U	120	36
100-42-5	Styrene	120U	120	22
630-20-6	1,1,1,2-Tetrachloroethane	120U	120	21
79-34-5	1,1,2,2-Tetrachloroethane	120U	120	32
127-18-4	Tetrachloroethene	120U	120	45
108-88-3	Toluene	120U	120	34
87-61-6	1,2,3-Trichlorobenzene	120U	120	24
120-82-1	1,2,4-Trichlorobenzene	120U	120	41
71-55-6	1,1,1-Trichloroethane	120U	120	36
79-00-5	1,1,2-Trichloroethane	120U	120	58
79-01-6	Trichloroethene	120U	120	40

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-3A**	Sampled:	11/19/09 09:50
Lab Sample ID:	**0911425-05**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*75-69-4	Trichlorofluoromethane	120U	120	36
96-18-4	1,2,3-Trichloropropane	120U	120	50
95-63-6	1,2,4-Trimethylbenzene	120U	120	33
108-67-8	1,3,5-Trimethylbenzene	120U	120	29
75-01-4	Vinyl Chloride	120U	120	28
136777-61-2	Xylene, Meta + Para	230U	230	67
95-47-6	Xylene, Ortho	120U	120	32
1330-20-7	Xylene (Total)	350U	350	99

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	94	*75-123*
1,2-Dichloroethane-d4	98	*83-116*
Toluene-d8	102	*85-113*
4-Bromofluorobenzene	95	*81-117*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-3A**	Sampled:	11/19/09 09:50
Lab Sample ID:	**0911425-05**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	39U	39	1.8
208-96-8	Acenaphthylene	39U	39	3.9
120-12-7	Anthracene	39U	39	5.9
*92-87-5	Benzidine	1500U	1500	380
*56-55-3	Benzo(a)anthracene	**8.5J**	39	2.6
50-32-8	Benzo(a)pyrene	**9.3J**	39	3.2
205-99-2	Benzo(b)fluoranthene	**9.3J**	39	6.8
207-08-9	Benzo(k)fluoranthene	**12J**	39	3.0
191-24-2	Benzo(g,h,i)perylene	**3.1J**	77	2.2
65-85-0	Benzoic Acid	770U	770	300
100-51-6	Benzyl Alcohol	39U	39	10
101-55-3	4-Bromophenyl Phenyl Ether	39U	39	3.4
85-68-7	Butyl Benzyl Phthalate	**14J**	77	11
86-74-8	Carbazole	770U	770	190
59-50-7	4-Chloro-3-methylphenol	39U	39	7.6
106-47-8	4-Chloroaniline	77U	77	16
111-91-1	Bis(2-chloroethoxy)methane	39U	39	2.9
111-44-4	Bis(2-chloroethyl) Ether	39U	39	4.3
108-60-1	Bis(2-chloroisopropyl) Ether	39U	39	15
91-58-7	2-Chloronaphthalene	39U	39	5.0
95-57-8	2-Chlorophenol	39U	39	8.7
7005-72-3	4-Chlorophenyl Phenyl Ether	39U	39	7.7
218-01-9	Chrysene	**11J**	39	8.0
53-70-3	Dibenz(a,h)anthracene	77U	77	18
132-64-9	Dibenzofuran	39U	39	20
*84-74-2	Di-n-butyl Phthalate	**310J**	390	57
106-46-7	1,4-Dichlorobenzene	39U	39	2.0
95-50-1	1,2-Dichlorobenzene	39U	39	2.7
541-73-1	1,3-Dichlorobenzene	39U	39	2.4

Continued on next page

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-3A**	Sampled:	11/19/09 09:50
Lab Sample ID:	**0911425-05**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*91-94-1	3,3´-Dichlorobenzidine	390U	390	64
120-83-2	2,4-Dichlorophenol	39U	39	7.8
84-66-2	Diethyl Phthalate	39U	39	8.0
105-67-9	2,4-Dimethylphenol	770U	770	3.4
131-11-3	Dimethyl Phthalate	39U	39	2.0
534-52-1	4,6-Dinitro-2-methylphenol	150U	150	47
*51-28-5	2,4-Dinitrophenol	770U	770	240
606-20-2	2,6-Dinitrotoluene	39U	39	5.3
121-14-2	2,4-Dinitrotoluene	77U	77	43
117-84-0	Di-n-octyl Phthalate	39U	39	12
117-81-7	Bis(2-ethylhexyl) Phthalate	**13J**	77	11
*206-44-0	Fluoranthene	**17J**	39	1.8
86-73-7	Fluorene	39U	39	16
118-74-1	Hexachlorobenzene	39U	39	9.9
87-68-3	Hexachlorobutadiene	39U	39	8.0
77-47-4	Hexachlorocyclopentadiene	39U	39	4.6
67-72-1	Hexachloroethane	39U	39	5.7
193-39-5	Indeno(1,2,3-cd)pyrene	77U	77	8.5
78-59-1	Isophorone	39U	39	14
91-57-6	2-Methylnaphthalene	39U	39	1.0
106-44-5	4-Methylphenol	39U	39	10
108-39-4	3+4-Methylphenol	39U	39	10
95-48-7	2-Methylphenol	39U	39	11
91-20-3	Naphthalene	39U	39	4.8
100-01-6	4-Nitroaniline	150U	150	3.7
88-74-4	2-Nitroaniline	39U	39	16
*99-09-2	3-Nitroaniline	77U	77	16
98-95-3	Nitrobenzene	39U	39	12
88-75-5	2-Nitrophenol	39U	39	15
100-02-7	4-Nitrophenol	770U	770	310
86-30-6	N-Nitroso-diphenylamine	39U	39	22

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-3A**	Sampled:	11/19/09 09:50
Lab Sample ID:	**0911425-05**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
621-64-7	N-Nitroso-di-n-propylamine	39U	39	13
87-86-5	Pentachlorophenol	390U	390	100
85-01-8	Phenanthrene	**5.4J**	39	2.4
108-95-2	Phenol	390U	390	100
*129-00-0	Pyrene	**16J**	39	2.8
110-86-1	Pyridine	39U	39	12
120-82-1	1,2,4-Trichlorobenzene	39U	39	9.0
95-95-4	2,4,5-Trichlorophenol	39U	39	5.7
88-06-2	2,4,6-Trichlorophenol	39U	39	4.7

Surrogates:	***% Recovery***	***Control Limits***
2-Fluorophenol	65	*33-113*
Phenol-d6	109	*30-115*
Nitrobenzene-d5	74	*33-131*
2-Fluorobiphenyl	86	*46-122*
2,4,6-Tribromophenol	89	*12-124*
o-Terphenyl	87	*20-155*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-3A**	Sampled:	11/19/09 09:50
Lab Sample ID:	**0911425-05**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Percent Solids:	43		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Aluminum	**3400**		9.3	1.7	mg/kg dry wt.	1	USEPA-6010B	12/03/09	JMF	0914571
Arsenic	**170**		0.50	0.15	mg/kg dry wt.	5	USEPA-6020A	12/07/09	DSC	0914574
Barium	**38**		0.10	0.032	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Cadmium	**0.13**		0.050	0.0053	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Chromium	**8.0**		0.10	0.045	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
***Copper**	**5.0**	**B**	0.10	0.043	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Lead	**4.3**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Mercury	0.046	U	0.046	0.0073	mg/kg dry wt.	1	USEPA-7471A	12/02/09	DSC	0914503
Nickel	**7.1**		0.10	0.025	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Selenium	**0.26**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Silver	**0.060**		0.050	0.011	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Zinc	**23**		1.0	0.44	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**P-09-SD-3A**	Sampled:	11/19/09 09:50
Lab Sample ID:	**0911425-05**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Chromium, Hexavalent	**0.53**	**J**	4.6	0.35	mg/kg dry	1	USEPA-7196A	12/06/09	HLB	0914375
Cyanide, Total	0.23	U	0.23	0.15	mg/kg dry	1	USEPA-9014	11/25/09	LMA	0914092
Fractional Organic Carbon	**0.0552**		0.0010	0.0010	g C/g Soil	1	ASTM D 2974-87	12/13/09	HLB	0914708
Percent Solids	**43**		0.1	0.1	%	1	USEPA-3550B	11/29/09	MSM	0914380
Carbon, Total Organic	**3.5**		0.10	0.0062	%	1	MSA 29-3.5.2	12/15/09	HLB	0915078

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-1A**	Sampled:	11/19/09 11:15
Lab Sample ID:	**0911425-06**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/01/09 By: BJH
Dilution Factor:	1	Analyzed:	12/03/09 By: MSZ
QC Batch:	0914457	Analytical Batch:	9L03062

Polychlorinated Biphenyls (PCBs) by EPA Method 8082

CAS Number	Analyte	Analytical Result	RL	MDL
12674-11-2	PCB-1016	400U	400	5.0
11104-28-2	PCB-1221	400U	400	9.4
11141-16-5	PCB-1232	400U	400	5.4
53469-21-9	PCB-1242	400U	400	5.5
12672-29-6	PCB-1248	400U	400	7.8
11097-69-1	PCB-1254	400U	400	7.1
11096-82-5	PCB-1260	400U	400	6.0

Surrogates:	***% Recovery***	***Control Limits***
Decachlorobiphenyl	71	*48-136*
Tetrachloro-m-xylene	90	*61-123*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-1A**	Sampled:	11/19/09 11:15
Lab Sample ID:	**0911425-06**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
*67-64-1	Acetone	**240J**	900	97
107-02-8	Acrolein	300U	300	59
71-43-2	Benzene	60U	60	17
108-86-1	Bromobenzene	60U	60	13
74-97-5	Bromochloromethane	60U	60	13
75-27-4	Bromodichloromethane	60U	60	10
75-25-2	Bromoform	60U	60	30
74-83-9	Bromomethane	60U	60	37
104-51-8	n-Butylbenzene	60U	60	17
135-98-8	sec-Butylbenzene	60U	60	19
98-06-6	tert-Butylbenzene	60U	60	18
75-15-0	Carbon Disulfide	300U	300	17
56-23-5	Carbon Tetrachloride	60U	60	13
108-90-7	Chlorobenzene	60U	60	13
75-00-3	Chloroethane	60U	60	27
67-66-3	Chloroform	60U	60	14
74-87-3	Chloromethane	60U	60	18
95-49-8	2-Chlorotoluene	60U	60	16
106-43-4	4-Chlorotoluene	60U	60	17
96-12-8	1,2-Dibromo-3-chloropropane	300U	300	21
124-48-1	Dibromochloromethane	60U	60	30
106-93-4	1,2-Dibromoethane	60U	60	11
74-95-3	Dibromomethane	60U	60	13
95-50-1	1,2-Dichlorobenzene	60U	60	14
541-73-1	1,3-Dichlorobenzene	60U	60	16
106-46-7	1,4-Dichlorobenzene	60U	60	16
75-71-8	Dichlorodifluoromethane	60U	60	11
75-34-3	1,1-Dichloroethane	60U	60	15
107-06-2	1,2-Dichloroethane	60U	60	10

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-1A**	Sampled:	11/19/09 11:15
Lab Sample ID:	**0911425-06**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
75-35-4	1,1-Dichloroethene	60U	60	17
156-59-2	cis-1,2-Dichloroethene	60U	60	13
156-60-5	trans-1,2-Dichloroethene	60U	60	20
540-59-0	1,2-Dichloroethene (Total)	120U	120	33
78-87-5	1,2-Dichloropropane	60U	60	13
142-28-9	1,3-Dichloropropane	60U	60	9.7
594-20-7	2,2-Dichloropropane	60U	60	17
563-58-6	1,1-Dichloropropene	60U	60	20
10061-01-5	cis-1,3-Dichloropropene	60U	60	11
10061-02-6	trans-1,3-Dichloropropene	60U	60	8.4
100-41-4	Ethylbenzene	60U	60	18
87-68-3	Hexachlorobutadiene	60U	60	25
591-78-6	2-Hexanone	3000U	3000	31
98-82-8	Isopropylbenzene	60U	60	17
99-87-6	4-Isopropyltoluene	60U	60	18
1634-04-4	Methyl tert-Butyl Ether	60U	60	8.3
*75-09-2	Methylene Chloride	**27J**	300	12
78-93-3	2-Butanone (MEK)	3000U	3000	30
108-10-1	4-Methyl-2-pentanone (MIBK)	3000U	3000	29
91-20-3	Naphthalene	**170J**	300	25
103-65-1	n-Propylbenzene	60U	60	19
100-42-5	Styrene	60U	60	11
630-20-6	1,1,1,2-Tetrachloroethane	60U	60	11
79-34-5	1,1,2,2-Tetrachloroethane	60U	60	17
127-18-4	Tetrachloroethene	60U	60	23
108-88-3	Toluene	60U	60	18
87-61-6	1,2,3-Trichlorobenzene	60U	60	12
120-82-1	1,2,4-Trichlorobenzene	60U	60	21
71-55-6	1,1,1-Trichloroethane	60U	60	19
79-00-5	1,1,2-Trichloroethane	60U	60	30
79-01-6	Trichloroethene	60U	60	21

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-1A**	Sampled:	11/19/09 11:15
Lab Sample ID:	**0911425-06**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*75-69-4	Trichlorofluoromethane	60U	60	19
96-18-4	1,2,3-Trichloropropane	60U	60	26
95-63-6	1,2,4-Trimethylbenzene	60U	60	17
108-67-8	1,3,5-Trimethylbenzene	60U	60	15
75-01-4	Vinyl Chloride	60U	60	15
136777-61-2	Xylene, Meta + Para	120U	120	35
95-47-6	Xylene, Ortho	60U	60	17
1330-20-7	Xylene (Total)	180U	180	51

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	94	*75-123*
1,2-Dichloroethane-d4	98	*83-116*
Toluene-d8	101	*85-113*
4-Bromofluorobenzene	97	*81-117*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-1A**	Sampled:	11/19/09 11:15
Lab Sample ID:	**0911425-06**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	**9.6J**	20	0.94
208-96-8	Acenaphthylene	**9.2J**	20	2.0
120-12-7	Anthracene	**48**	20	3.1
*92-87-5	Benzidine	800U	800	200
*56-55-3	Benzo(a)anthracene	**190**	20	1.4
50-32-8	Benzo(a)pyrene	**140**	20	1.7
205-99-2	Benzo(b)fluoranthene	**210**	20	3.5
207-08-9	Benzo(k)fluoranthene	**94**	20	1.5
191-24-2	Benzo(g,h,i)perylene	**59**	40	1.1
65-85-0	Benzoic Acid	400U	400	150
100-51-6	Benzyl Alcohol	20U	20	5.4
101-55-3	4-Bromophenyl Phenyl Ether	20U	20	1.8
85-68-7	Butyl Benzyl Phthalate	40U	40	5.9
86-74-8	Carbazole	400U	400	100
59-50-7	4-Chloro-3-methylphenol	20U	20	4.0
106-47-8	4-Chloroaniline	40U	40	8.5
111-91-1	Bis(2-chloroethoxy)methane	20U	20	1.5
111-44-4	Bis(2-chloroethyl) Ether	20U	20	2.2
108-60-1	Bis(2-chloroisopropyl) Ether	20U	20	8.0
91-58-7	2-Chloronaphthalene	20U	20	2.6
95-57-8	2-Chlorophenol	20U	20	4.5
7005-72-3	4-Chlorophenyl Phenyl Ether	20U	20	4.0
218-01-9	Chrysene	**130**	20	4.2
53-70-3	Dibenz(a,h)anthracene	**21J**	40	9.3
132-64-9	Dibenzofuran	20U	20	11
*84-74-2	Di-n-butyl Phthalate	**170J**	200	30
106-46-7	1,4-Dichlorobenzene	20U	20	1.0
95-50-1	1,2-Dichlorobenzene	20U	20	1.4
541-73-1	1,3-Dichlorobenzene	20U	20	1.3

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-1A**	Sampled:	11/19/09 11:15
Lab Sample ID:	**0911425-06**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*91-94-1	3,3´-Dichlorobenzidine	200U	200	33
120-83-2	2,4-Dichlorophenol	20U	20	4.1
84-66-2	Diethyl Phthalate	20U	20	4.2
105-67-9	2,4-Dimethylphenol	400U	400	1.8
131-11-3	Dimethyl Phthalate	20U	20	1.0
534-52-1	4,6-Dinitro-2-methylphenol	80U	80	24
*51-28-5	2,4-Dinitrophenol	400U	400	130
606-20-2	2,6-Dinitrotoluene	20U	20	2.7
121-14-2	2,4-Dinitrotoluene	40U	40	23
117-84-0	Di-n-octyl Phthalate	20U	20	6.4
117-81-7	Bis(2-ethylhexyl) Phthalate	**9.6J**	40	5.6
*206-44-0	Fluoranthene	**340**	20	0.92
86-73-7	Fluorene	**18J**	20	8.3
118-74-1	Hexachlorobenzene	20U	20	5.1
87-68-3	Hexachlorobutadiene	20U	20	4.1
77-47-4	Hexachlorocyclopentadiene	20U	20	2.4
67-72-1	Hexachloroethane	20U	20	3.0
193-39-5	Indeno(1,2,3-cd)pyrene	**46**	40	4.4
78-59-1	Isophorone	20U	20	7.5
91-57-6	2-Methylnaphthalene	20U	20	0.54
106-44-5	4-Methylphenol	20U	20	5.3
108-39-4	3+4-Methylphenol	20U	20	5.3
95-48-7	2-Methylphenol	20U	20	5.7
91-20-3	Naphthalene	20U	20	2.5
100-01-6	4-Nitroaniline	80U	80	1.9
88-74-4	2-Nitroaniline	20U	20	8.5
*99-09-2	3-Nitroaniline	40U	40	8.5
98-95-3	Nitrobenzene	20U	20	6.2
88-75-5	2-Nitrophenol	20U	20	7.9
100-02-7	4-Nitrophenol	400U	400	160
86-30-6	N-Nitroso-diphenylamine	20U	20	12

Continued on next page

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-1A**	Sampled:	11/19/09 11:15
Lab Sample ID:	**0911425-06**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
621-64-7	N-Nitroso-di-n-propylamine	20U	20	6.7
87-86-5	Pentachlorophenol	200U	200	53
85-01-8	Phenanthrene	**180**	20	1.3
108-95-2	Phenol	200U	200	54
*129-00-0	Pyrene	**350**	20	1.4
110-86-1	Pyridine	20U	20	6.2
120-82-1	1,2,4-Trichlorobenzene	20U	20	4.7
95-95-4	2,4,5-Trichlorophenol	20U	20	3.0
88-06-2	2,4,6-Trichlorophenol	20U	20	2.5

Surrogates:	***% Recovery***	***Control Limits***
2-Fluorophenol	57	*33-113*
Phenol-d6	102	*30-115*
Nitrobenzene-d5	81	*33-131*
2-Fluorobiphenyl	90	*46-122*
2,4,6-Tribromophenol	90	*12-124*
o-Terphenyl	92	*20-155*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-1A**	Sampled:	11/19/09 11:15
Lab Sample ID:	**0911425-06**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Percent Solids:	83		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Aluminum	**2100**		10	1.8	mg/kg dry wt.	1	USEPA-6010B	12/03/09	JMF	0914571
Arsenic	**4.2**		0.10	0.030	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Barium	**13**		0.10	0.032	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Cadmium	**0.073**		0.050	0.0053	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Chromium	**8.5**		0.10	0.045	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
***Copper**	**3.4**	**B**	0.10	0.043	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Lead	**48**		0.20	0.099	mg/kg dry wt.	2	USEPA-6020A	12/07/09	DSC	0914574
Mercury	**0.014**	**J**	0.047	0.0075	mg/kg dry wt.	1	USEPA-7471A	12/02/09	DSC	0914503
Nickel	**6.1**		0.10	0.025	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Selenium	**0.11**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Silver	**0.032**	**J**	0.050	0.011	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Zinc	**15**		1.0	0.44	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-1A**	Sampled:	11/19/09 11:15
Lab Sample ID:	**0911425-06**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
***Chromium, Hexavalent**	**0.25**	**J**	2.4	0.18	mg/kg dry	1	USEPA-7196A	12/06/09	HLB	0914375
Cyanide, Total	0.12	U	0.12	0.080	mg/kg dry	1	USEPA-9014	11/25/09	LMA	0914092
Fractional Organic Carbon	**0.0098**		0.0010	0.0010	g C/g Soil	1	ASTM D 2974-87	12/13/09	HLB	0914708
Percent Solids	**83**		0.1	0.1	%	1	USEPA-3550B	11/29/09	MSM	0914380
Carbon, Total Organic	**0.39**		0.10	0.0062	%	1	MSA 29-3.5.2	12/15/09	HLB	0915078

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-1B**	Sampled:	11/19/09 11:15
Lab Sample ID:	**0911425-07**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/01/09 By: BJH
Dilution Factor:	1	Analyzed:	12/03/09 By: MSZ
QC Batch:	0914457	Analytical Batch:	9L03062

Polychlorinated Biphenyls (PCBs) by EPA Method 8082

CAS Number	Analyte	Analytical Result	RL	MDL
12674-11-2	PCB-1016	420U	420	5.3
11104-28-2	PCB-1221	420U	420	9.9
11141-16-5	PCB-1232	420U	420	5.7
53469-21-9	PCB-1242	420U	420	5.8
12672-29-6	PCB-1248	420U	420	8.2
11097-69-1	PCB-1254	420U	420	7.5
11096-82-5	PCB-1260	420U	420	6.3

Surrogates:	***% Recovery***	***Control Limits***
Decachlorobiphenyl	79	*48-136*
Tetrachloro-m-xylene	100	*61-123*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-1B**	Sampled:	11/19/09 11:15
Lab Sample ID:	**0911425-07**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
*67-64-1	Acetone	**330J**	950	100
107-02-8	Acrolein	320U	320	62
71-43-2	Benzene	63U	63	18
108-86-1	Bromobenzene	63U	63	14
74-97-5	Bromochloromethane	63U	63	14
75-27-4	Bromodichloromethane	63U	63	11
75-25-2	Bromoform	63U	63	32
74-83-9	Bromomethane	63U	63	39
104-51-8	n-Butylbenzene	63U	63	17
135-98-8	sec-Butylbenzene	63U	63	19
98-06-6	tert-Butylbenzene	63U	63	18
75-15-0	Carbon Disulfide	320U	320	18
56-23-5	Carbon Tetrachloride	63U	63	14
108-90-7	Chlorobenzene	63U	63	14
75-00-3	Chloroethane	63U	63	28
67-66-3	Chloroform	63U	63	14
74-87-3	Chloromethane	63U	63	19
95-49-8	2-Chlorotoluene	63U	63	17
106-43-4	4-Chlorotoluene	63U	63	18
96-12-8	1,2-Dibromo-3-chloropropane	320U	320	22
124-48-1	Dibromochloromethane	63U	63	32
106-93-4	1,2-Dibromoethane	63U	63	12
74-95-3	Dibromomethane	63U	63	13
95-50-1	1,2-Dichlorobenzene	63U	63	15
541-73-1	1,3-Dichlorobenzene	63U	63	17
106-46-7	1,4-Dichlorobenzene	63U	63	17
75-71-8	Dichlorodifluoromethane	63U	63	12
75-34-3	1,1-Dichloroethane	63U	63	15
107-06-2	1,2-Dichloroethane	63U	63	11

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-1B**	Sampled:	11/19/09 11:15
Lab Sample ID:	**0911425-07**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
75-35-4	1,1-Dichloroethene	63U	63	18
156-59-2	cis-1,2-Dichloroethene	63U	63	13
156-60-5	trans-1,2-Dichloroethene	63U	63	21
540-59-0	1,2-Dichloroethene (Total)	130U	130	34
78-87-5	1,2-Dichloropropane	63U	63	14
142-28-9	1,3-Dichloropropane	63U	63	10
594-20-7	2,2-Dichloropropane	63U	63	18
563-58-6	1,1-Dichloropropene	63U	63	21
10061-01-5	cis-1,3-Dichloropropene	63U	63	12
10061-02-6	trans-1,3-Dichloropropene	63U	63	8.8
100-41-4	Ethylbenzene	63U	63	19
87-68-3	Hexachlorobutadiene	63U	63	26
591-78-6	2-Hexanone	3200U	3200	33
98-82-8	Isopropylbenzene	63U	63	18
99-87-6	4-Isopropyltoluene	63U	63	19
1634-04-4	Methyl tert-Butyl Ether	63U	63	8.8
*75-09-2	Methylene Chloride	**26J**	320	13
78-93-3	2-Butanone (MEK)	3200U	3200	32
108-10-1	4-Methyl-2-pentanone (MIBK)	3200U	3200	30
91-20-3	Naphthalene	320U	320	26
103-65-1	n-Propylbenzene	63U	63	20
100-42-5	Styrene	63U	63	12
630-20-6	1,1,1,2-Tetrachloroethane	63U	63	11
79-34-5	1,1,2,2-Tetrachloroethane	63U	63	18
127-18-4	Tetrachloroethene	63U	63	24
108-88-3	Toluene	63U	63	18
87-61-6	1,2,3-Trichlorobenzene	63U	63	13
120-82-1	1,2,4-Trichlorobenzene	63U	63	22
71-55-6	1,1,1-Trichloroethane	63U	63	20
79-00-5	1,1,2-Trichloroethane	63U	63	32
79-01-6	Trichloroethene	63U	63	22

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-1B**	Sampled:	11/19/09 11:15
Lab Sample ID:	**0911425-07**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*75-69-4	Trichlorofluoromethane	63U	63	20
96-18-4	1,2,3-Trichloropropane	63U	63	27
95-63-6	1,2,4-Trimethylbenzene	63U	63	18
108-67-8	1,3,5-Trimethylbenzene	63U	63	16
75-01-4	Vinyl Chloride	63U	63	15
136777-61-2	Xylene, Meta + Para	130U	130	37
95-47-6	Xylene, Ortho	63U	63	17
1330-20-7	Xylene (Total)	190U	190	54

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	92	*75-123*
1,2-Dichloroethane-d4	98	*83-116*
Toluene-d8	102	*85-113*
4-Bromofluorobenzene	96	*81-117*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-1B**	Sampled:	11/19/09 11:15
Lab Sample ID:	**0911425-07**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	**1.7J**	21	0.99
208-96-8	Acenaphthylene	21U	21	2.1
120-12-7	Anthracene	**5.1J**	21	3.2
*92-87-5	Benzidine	840U	840	210
*56-55-3	Benzo(a)anthracene	**22**	21	1.4
50-32-8	Benzo(a)pyrene	**16J**	21	1.8
205-99-2	Benzo(b)fluoranthene	**15J**	21	3.7
*207-08-9	Benzo(k)fluoranthene	**6.4J**	21	1.6
191-24-2	Benzo(g,h,i)perylene	**8.1J**	42	1.2
65-85-0	Benzoic Acid	420U	420	160
100-51-6	Benzyl Alcohol	21U	21	5.7
101-55-3	4-Bromophenyl Phenyl Ether	21U	21	1.9
85-68-7	Butyl Benzyl Phthalate	42U	42	6.2
86-74-8	Carbazole	420U	420	110
59-50-7	4-Chloro-3-methylphenol	21U	21	4.2
106-47-8	4-Chloroaniline	42U	42	8.9
111-91-1	Bis(2-chloroethoxy)methane	21U	21	1.6
111-44-4	Bis(2-chloroethyl) Ether	21U	21	2.4
108-60-1	Bis(2-chloroisopropyl) Ether	21U	21	8.4
91-58-7	2-Chloronaphthalene	21U	21	2.7
95-57-8	2-Chlorophenol	21U	21	4.8
7005-72-3	4-Chlorophenyl Phenyl Ether	21U	21	4.2
218-01-9	Chrysene	**19J**	21	4.4
53-70-3	Dibenz(a,h)anthracene	42U	42	9.7
132-64-9	Dibenzofuran	21U	21	11
*84-74-2	Di-n-butyl Phthalate	210U	210	31
*106-46-7	1,4-Dichlorobenzene	21U	21	1.1
*95-50-1	1,2-Dichlorobenzene	21U	21	1.5
*541-73-1	1,3-Dichlorobenzene	21U	21	1.3

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-1B**	Sampled:	11/19/09 11:15
Lab Sample ID:	**0911425-07**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*91-94-1	3,3´-Dichlorobenzidine	210U	210	35
120-83-2	2,4-Dichlorophenol	21U	21	4.3
84-66-2	Diethyl Phthalate	21U	21	4.4
105-67-9	2,4-Dimethylphenol	420U	420	1.9
131-11-3	Dimethyl Phthalate	21U	21	1.1
534-52-1	4,6-Dinitro-2-methylphenol	84U	84	26
*51-28-5	2,4-Dinitrophenol	420U	420	130
606-20-2	2,6-Dinitrotoluene	21U	21	2.9
121-14-2	2,4-Dinitrotoluene	42U	42	24
117-84-0	Di-n-octyl Phthalate	21U	21	6.7
117-81-7	Bis(2-ethylhexyl) Phthalate	**7.2J**	42	5.9
*206-44-0	Fluoranthene	**25**	21	0.96
86-73-7	Fluorene	21U	21	8.7
118-74-1	Hexachlorobenzene	21U	21	5.4
87-68-3	Hexachlorobutadiene	21U	21	4.3
*77-47-4	Hexachlorocyclopentadiene	21U	21	2.5
*67-72-1	Hexachloroethane	21U	21	3.1
193-39-5	Indeno(1,2,3-cd)pyrene	**8.9J**	42	4.6
78-59-1	Isophorone	21U	21	7.8
91-57-6	2-Methylnaphthalene	21U	21	0.57
106-44-5	4-Methylphenol	21U	21	5.6
108-39-4	3+4-Methylphenol	21U	21	5.6
95-48-7	2-Methylphenol	21U	21	6.0
91-20-3	Naphthalene	21U	21	2.6
100-01-6	4-Nitroaniline	84U	84	2.0
88-74-4	2-Nitroaniline	21U	21	9.0
*99-09-2	3-Nitroaniline	42U	42	8.9
98-95-3	Nitrobenzene	21U	21	6.5
88-75-5	2-Nitrophenol	21U	21	8.4
100-02-7	4-Nitrophenol	420U	420	170
86-30-6	N-Nitroso-diphenylamine	21U	21	12

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-1B**	Sampled:	11/19/09 11:15
Lab Sample ID:	**0911425-07**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
621-64-7	N-Nitroso-di-n-propylamine	21U	21	7.1
87-86-5	Pentachlorophenol	210U	210	56
*85-01-8	Phenanthrene	**17J**	21	1.3
*108-95-2	Phenol	210U	210	57
*129-00-0	Pyrene	**42**	21	1.5
*110-86-1	Pyridine	21U	21	6.5
120-82-1	1,2,4-Trichlorobenzene	21U	21	4.9
95-95-4	2,4,5-Trichlorophenol	21U	21	3.1
88-06-2	2,4,6-Trichlorophenol	21U	21	2.6

Surrogates:	***% Recovery***	***Control Limits***
2-Fluorophenol	73	*33-113*
Phenol-d6	70	*30-115*
Nitrobenzene-d5	75	*33-131*
2-Fluorobiphenyl	89	*46-122*
2,4,6-Tribromophenol	91	*12-124*
o-Terphenyl	93	*20-155*

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-1B**	Sampled:	11/19/09 11:15
Lab Sample ID:	**0911425-07**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Percent Solids:	79		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Aluminum	**1900**		10	1.8	mg/kg dry wt.	1	USEPA-6010B	12/03/09	JMF	0914571
Arsenic	**3.4**		0.10	0.030	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Barium	**17**		0.10	0.032	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Cadmium	**0.063**		0.050	0.0053	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Chromium	**6.2**		0.10	0.045	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
***Copper**	**3.7**	**B**	0.10	0.043	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Lead	**4.5**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Mercury	0.046	U	0.046	0.0073	mg/kg dry wt.	1	USEPA-7471A	12/02/09	DSC	0914503
Nickel	**5.6**		0.10	0.025	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Selenium	**0.093**	**J**	0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Silver	**0.027**	**J**	0.050	0.011	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Zinc	**15**		1.0	0.44	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-1B**	Sampled:	11/19/09 11:15
Lab Sample ID:	**0911425-07**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Chromium, Hexavalent	2.5	U	2.5	0.19	mg/kg dry	1	USEPA-7196A	12/06/09	HLB	0914375
Cyanide, Total	0.13	U	0.13	0.084	mg/kg dry	1	USEPA-9014	11/25/09	LMA	0914092
Fractional Organic Carbon	**0.0412**		0.0010	0.0010	g C/g Soil	1	ASTM D 2974-87	12/13/09	HLB	0914708
Percent Solids	**79**		0.1	0.1	%	1	USEPA-3550B	11/29/09	MSM	0914380
Carbon, Total Organic	**0.93**		0.10	0.0062	%	1	MSA 29-3.5.2	12/15/09	HLB	0915078

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-2A**	Sampled:	11/19/09 11:35
Lab Sample ID:	**0911425-08**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/01/09 By: BJH
Dilution Factor:	1	Analyzed:	12/03/09 By: MSZ
QC Batch:	0914457	Analytical Batch:	9L03062

Polychlorinated Biphenyls (PCBs) by EPA Method 8082

CAS Number	Analyte	Analytical Result	RL	MDL
12674-11-2	PCB-1016	470U	470	5.9
11104-28-2	PCB-1221	470U	470	11
11141-16-5	PCB-1232	470U	470	6.4
53469-21-9	PCB-1242	470U	470	6.5
12672-29-6	PCB-1248	**12J**	470	9.2
11097-69-1	PCB-1254	470U	470	8.3
11096-82-5	PCB-1260	470U	470	7.1

Surrogates:	***% Recovery***	***Control Limits***
Decachlorobiphenyl	78	*48-136*
Tetrachloro-m-xylene	94	*61-123*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-2A**	Sampled:	11/19/09 11:35
Lab Sample ID:	**0911425-08**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
*67-64-1	Acetone	**310J**	990	110
107-02-8	Acrolein	330U	330	65
71-43-2	Benzene	66U	66	19
108-86-1	Bromobenzene	66U	66	15
74-97-5	Bromochloromethane	66U	66	15
75-27-4	Bromodichloromethane	66U	66	11
75-25-2	Bromoform	66U	66	33
74-83-9	Bromomethane	66U	66	41
104-51-8	n-Butylbenzene	66U	66	18
135-98-8	sec-Butylbenzene	66U	66	20
98-06-6	tert-Butylbenzene	66U	66	19
75-15-0	Carbon Disulfide	330U	330	19
56-23-5	Carbon Tetrachloride	66U	66	15
108-90-7	Chlorobenzene	66U	66	15
75-00-3	Chloroethane	66U	66	30
67-66-3	Chloroform	66U	66	15
74-87-3	Chloromethane	66U	66	20
95-49-8	2-Chlorotoluene	66U	66	18
106-43-4	4-Chlorotoluene	66U	66	19
96-12-8	1,2-Dibromo-3-chloropropane	330U	330	23
124-48-1	Dibromochloromethane	66U	66	33
106-93-4	1,2-Dibromoethane	66U	66	12
74-95-3	Dibromomethane	66U	66	14
95-50-1	1,2-Dichlorobenzene	66U	66	15
541-73-1	1,3-Dichlorobenzene	66U	66	18
106-46-7	1,4-Dichlorobenzene	66U	66	18
75-71-8	Dichlorodifluoromethane	66U	66	12
75-34-3	1,1-Dichloroethane	66U	66	16
107-06-2	1,2-Dichloroethane	66U	66	11

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-2A**	Sampled:	11/19/09 11:35
Lab Sample ID:	**0911425-08**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
75-35-4	1,1-Dichloroethene	66U	66	19
156-59-2	cis-1,2-Dichloroethene	66U	66	14
156-60-5	trans-1,2-Dichloroethene	66U	66	22
540-59-0	1,2-Dichloroethene (Total)	130U	130	36
78-87-5	1,2-Dichloropropane	66U	66	14
142-28-9	1,3-Dichloropropane	66U	66	11
594-20-7	2,2-Dichloropropane	66U	66	19
563-58-6	1,1-Dichloropropene	66U	66	22
10061-01-5	cis-1,3-Dichloropropene	66U	66	12
10061-02-6	trans-1,3-Dichloropropene	66U	66	9.2
100-41-4	Ethylbenzene	66U	66	20
87-68-3	Hexachlorobutadiene	66U	66	27
591-78-6	2-Hexanone	3300U	3300	35
98-82-8	Isopropylbenzene	66U	66	18
99-87-6	4-Isopropyltoluene	66U	66	19
1634-04-4	Methyl tert-Butyl Ether	66U	66	9.2
*75-09-2	Methylene Chloride	**31J**	330	13
78-93-3	2-Butanone (MEK)	3300U	3300	33
108-10-1	4-Methyl-2-pentanone (MIBK)	3300U	3300	31
91-20-3	Naphthalene	330U	330	27
103-65-1	n-Propylbenzene	66U	66	21
100-42-5	Styrene	66U	66	12
630-20-6	1,1,1,2-Tetrachloroethane	66U	66	12
79-34-5	1,1,2,2-Tetrachloroethane	66U	66	18
127-18-4	Tetrachloroethene	66U	66	25
108-88-3	Toluene	66U	66	19
87-61-6	1,2,3-Trichlorobenzene	66U	66	14
120-82-1	1,2,4-Trichlorobenzene	66U	66	23
71-55-6	1,1,1-Trichloroethane	66U	66	21
79-00-5	1,1,2-Trichloroethane	66U	66	33
79-01-6	Trichloroethene	66U	66	23

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-2A**	Sampled:	11/19/09 11:35
Lab Sample ID:	**0911425-08**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*75-69-4	Trichlorofluoromethane	66U	66	20
96-18-4	1,2,3-Trichloropropane	66U	66	29
95-63-6	1,2,4-Trimethylbenzene	66U	66	19
108-67-8	1,3,5-Trimethylbenzene	66U	66	17
75-01-4	Vinyl Chloride	66U	66	16
136777-61-2	Xylene, Meta + Para	130U	130	38
95-47-6	Xylene, Ortho	66U	66	18
1330-20-7	Xylene (Total)	200U	200	56

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	93	*75-123*
1,2-Dichloroethane-d4	99	*83-116*
Toluene-d8	102	*85-113*
4-Bromofluorobenzene	94	*81-117*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-2A**	Sampled:	11/19/09 11:35
Lab Sample ID:	**0911425-08**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	10	Analyzed:	12/11/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

*Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	**160J**	240	11
208-96-8	Acenaphthylene	240U	240	24
120-12-7	Anthracene	**290**	240	36
*92-87-5	Benzidine	9400U	9400	2300
*56-55-3	Benzo(a)anthracene	**770**	240	16
50-32-8	Benzo(a)pyrene	**630**	240	20
205-99-2	Benzo(b)fluoranthene	**860**	240	41
207-08-9	Benzo(k)fluoranthene	**360**	240	18
191-24-2	Benzo(g,h,i)perylene	**370J**	470	13
65-85-0	Benzoic Acid	4700U	4700	1800
100-51-6	Benzyl Alcohol	240U	240	63
101-55-3	4-Bromophenyl Phenyl Ether	240U	240	21
85-68-7	Butyl Benzyl Phthalate	470U	470	69
86-74-8	Carbazole	4700U	4700	1200
59-50-7	4-Chloro-3-methylphenol	240U	240	47
106-47-8	4-Chloroaniline	470U	470	100
111-91-1	Bis(2-chloroethoxy)methane	240U	240	18
111-44-4	Bis(2-chloroethyl) Ether	240U	240	26
108-60-1	Bis(2-chloroisopropyl) Ether	240U	240	94
91-58-7	2-Chloronaphthalene	240U	240	31
95-57-8	2-Chlorophenol	240U	240	53
7005-72-3	4-Chlorophenyl Phenyl Ether	240U	240	47
218-01-9	Chrysene	**780**	240	49
53-70-3	Dibenz(a,h)anthracene	470U	470	110
132-64-9	Dibenzofuran	240U	240	120
*84-74-2	Di-n-butyl Phthalate	2400U	2400	350
106-46-7	1,4-Dichlorobenzene	240U	240	12
95-50-1	1,2-Dichlorobenzene	240U	240	17
541-73-1	1,3-Dichlorobenzene	240U	240	15

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-2A**	Sampled:	11/19/09 11:35
Lab Sample ID:	**0911425-08**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	10	Analyzed:	12/11/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

*Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*91-94-1	3,3´-Dichlorobenzidine	2400U	2400	390
120-83-2	2,4-Dichlorophenol	240U	240	48
84-66-2	Diethyl Phthalate	240U	240	49
105-67-9	2,4-Dimethylphenol	4700U	4700	21
131-11-3	Dimethyl Phthalate	240U	240	12
534-52-1	4,6-Dinitro-2-methylphenol	940U	940	290
*51-28-5	2,4-Dinitrophenol	4700U	4700	1500
606-20-2	2,6-Dinitrotoluene	240U	240	32
121-14-2	2,4-Dinitrotoluene	470U	470	270
117-84-0	Di-n-octyl Phthalate	240U	240	75
117-81-7	Bis(2-ethylhexyl) Phthalate	470U	470	66
*206-44-0	Fluoranthene	**2500**	240	11
86-73-7	Fluorene	**190J**	240	97
118-74-1	Hexachlorobenzene	240U	240	60
87-68-3	Hexachlorobutadiene	240U	240	49
77-47-4	Hexachlorocyclopentadiene	240U	240	28
67-72-1	Hexachloroethane	240U	240	35
193-39-5	Indeno(1,2,3-cd)pyrene	**410J**	470	52
78-59-1	Isophorone	240U	240	88
91-57-6	2-Methylnaphthalene	**19J**	240	6.4
106-44-5	4-Methylphenol	240U	240	63
108-39-4	3+4-Methylphenol	240U	240	63
95-48-7	2-Methylphenol	240U	240	67
91-20-3	Naphthalene	**33J**	240	29
100-01-6	4-Nitroaniline	940U	940	23
88-74-4	2-Nitroaniline	240U	240	100
*99-09-2	3-Nitroaniline	470U	470	100
98-95-3	Nitrobenzene	240U	240	73
88-75-5	2-Nitrophenol	240U	240	93
100-02-7	4-Nitrophenol	4700U	4700	1900
86-30-6	N-Nitroso-diphenylamine	240U	240	140

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-2A**	Sampled:	11/19/09 11:35
Lab Sample ID:	**0911425-08**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	10	Analyzed:	12/11/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

*Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
621-64-7	N-Nitroso-di-n-propylamine	240U	240	79
87-86-5	Pentachlorophenol	2400U	2400	620
85-01-8	Phenanthrene	**2000**	240	15
108-95-2	Phenol	2400U	2400	630
*129-00-0	Pyrene	**2000**	240	17
110-86-1	Pyridine	240U	240	72
120-82-1	1,2,4-Trichlorobenzene	240U	240	55
95-95-4	2,4,5-Trichlorophenol	240U	240	35
88-06-2	2,4,6-Trichlorophenol	240U	240	29

Surrogates:	***% Recovery***	***Control Limits***
2-Fluorophenol	64	*33-113*
Phenol-d6	61	*30-115*
Nitrobenzene-d5	48	*33-131*
2-Fluorobiphenyl	85	*46-122*
2,4,6-Tribromophenol	67	*12-124*
o-Terphenyl	95	*20-155*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-2A**	Sampled:	11/19/09 11:35
Lab Sample ID:	**0911425-08**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Percent Solids:	71		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Aluminum	**2500**		9.4	1.7	mg/kg dry wt.	1	USEPA-6010B	12/03/09	JMF	0914571
Arsenic	**4.6**		0.10	0.030	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Barium	**27**		0.10	0.032	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Cadmium	**0.086**		0.050	0.0053	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Chromium	**8.8**		0.10	0.045	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
***Copper**	**5.7**	**B**	0.10	0.043	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Lead	**9.7**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Mercury	0.050	U	0.050	0.0080	mg/kg dry wt.	1	USEPA-7471A	12/02/09	DSC	0914503
Nickel	**6.0**		0.10	0.025	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Selenium	**0.14**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Silver	**0.033**	**J**	0.050	0.011	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Zinc	**20**		1.0	0.44	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-2A**	Sampled:	11/19/09 11:35
Lab Sample ID:	**0911425-08**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Chromium, Hexavalent	**0.36**	**J**	2.8	0.22	mg/kg dry	1	USEPA-7196A	12/06/09	HLB	0914375
Cyanide, Total	0.14	U	0.14	0.094	mg/kg dry	1	USEPA-9014	11/25/09	LMA	0914092
Fractional Organic Carbon	**0.0181**		0.0010	0.0010	g C/g Soil	1	ASTM D 2974-87	12/13/09	HLB	0914708
Percent Solids	**71**		0.1	0.1	%	1	USEPA-3550B	11/29/09	MSM	0914380
Carbon, Total Organic	**2.2**		0.10	0.0062	%	1	MSA 29-3.5.2	12/15/09	HLB	0915078

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**03: FB1119-1**	Sampled:	11/19/09 11:55
Lab Sample ID:	**0911425-09**	Sampled By:	TML
Matrix:	Methanol	Received:	11/20/09 18:15
Unit:	ug/kg wet	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
*67-64-1	Acetone	**190J**	750	81
107-02-8	Acrolein	250U	250	49
71-43-2	Benzene	50U	50	14
108-86-1	Bromobenzene	50U	50	11
74-97-5	Bromochloromethane	50U	50	11
75-27-4	Bromodichloromethane	50U	50	8.4
75-25-2	Bromoform	50U	50	25
74-83-9	Bromomethane	50U	50	31
104-51-8	n-Butylbenzene	50U	50	14
135-98-8	sec-Butylbenzene	50U	50	15
98-06-6	tert-Butylbenzene	50U	50	15
75-15-0	Carbon Disulfide	250U	250	14
56-23-5	Carbon Tetrachloride	50U	50	11
108-90-7	Chlorobenzene	50U	50	11
75-00-3	Chloroethane	50U	50	22
67-66-3	Chloroform	50U	50	11
74-87-3	Chloromethane	50U	50	15
95-49-8	2-Chlorotoluene	50U	50	14
106-43-4	4-Chlorotoluene	50U	50	14
96-12-8	1,2-Dibromo-3-chloropropane	250U	250	17
124-48-1	Dibromochloromethane	50U	50	25
106-93-4	1,2-Dibromoethane	50U	50	9.2
74-95-3	Dibromomethane	50U	50	10
95-50-1	1,2-Dichlorobenzene	50U	50	12
541-73-1	1,3-Dichlorobenzene	50U	50	14
106-46-7	1,4-Dichlorobenzene	50U	50	14
75-71-8	Dichlorodifluoromethane	50U	50	9.4
75-34-3	1,1-Dichloroethane	50U	50	12
107-06-2	1,2-Dichloroethane	50U	50	8.6
75-35-4	1,1-Dichloroethene	50U	50	14
156-59-2	cis-1,2-Dichloroethene	50U	50	11

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**03: FB1119-1**	Sampled:	11/19/09 11:55
Lab Sample ID:	**0911425-09**	Sampled By:	TML
Matrix:	Methanol	Received:	11/20/09 18:15
Unit:	ug/kg wet	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
156-60-5	trans-1,2-Dichloroethene	50U	50	17
540-59-0	1,2-Dichloroethene (Total)	100U	100	27
78-87-5	1,2-Dichloropropane	50U	50	11
142-28-9	1,3-Dichloropropane	50U	50	8.1
594-20-7	2,2-Dichloropropane	50U	50	14
563-58-6	1,1-Dichloropropene	50U	50	16
10061-01-5	cis-1,3-Dichloropropene	50U	50	9.1
10061-02-6	trans-1,3-Dichloropropene	50U	50	7.0
100-41-4	Ethylbenzene	50U	50	15
87-68-3	Hexachlorobutadiene	50U	50	20
591-78-6	2-Hexanone	2500U	2500	26
98-82-8	Isopropylbenzene	50U	50	14
99-87-6	4-Isopropyltoluene	50U	50	15
1634-04-4	Methyl tert-Butyl Ether	50U	50	6.9
*75-09-2	Methylene Chloride	**26J**	250	10
78-93-3	2-Butanone (MEK)	2500U	2500	25
108-10-1	4-Methyl-2-pentanone (MIBK)	2500U	2500	24
91-20-3	Naphthalene	250U	250	21
103-65-1	n-Propylbenzene	50U	50	16
100-42-5	Styrene	50U	50	9.4
630-20-6	1,1,1,2-Tetrachloroethane	50U	50	8.9
79-34-5	1,1,2,2-Tetrachloroethane	50U	50	14
127-18-4	Tetrachloroethene	50U	50	19
108-88-3	Toluene	50U	50	15
87-61-6	1,2,3-Trichlorobenzene	50U	50	10
120-82-1	1,2,4-Trichlorobenzene	50U	50	18
71-55-6	1,1,1-Trichloroethane	50U	50	16
79-00-5	1,1,2-Trichloroethane	50U	50	25
79-01-6	Trichloroethene	50U	50	18
*75-69-4	Trichlorofluoromethane	50U	50	16
96-18-4	1,2,3-Trichloropropane	50U	50	22

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**03: FB1119-1**	Sampled:	11/19/09 11:55
Lab Sample ID:	**0911425-09**	Sampled By:	TML
Matrix:	Methanol	Received:	11/20/09 18:15
Unit:	ug/kg wet	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
95-63-6	1,2,4-Trimethylbenzene	50U	50	14
108-67-8	1,3,5-Trimethylbenzene	50U	50	13
75-01-4	Vinyl Chloride	50U	50	12
136777-61-2	Xylene, Meta + Para	100U	100	29
95-47-6	Xylene, Ortho	50U	50	14
1330-20-7	Xylene (Total)	150U	150	43

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	93	*75-123*
1,2-Dichloroethane-d4	99	*83-116*
Toluene-d8	101	*85-113*
4-Bromofluorobenzene	97	*81-117*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-3A**	Sampled:	11/19/09 12:00
Lab Sample ID:	**0911425-10**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/01/09 By: BJH
Dilution Factor:	1	Analyzed:	12/03/09 By: MSZ
QC Batch:	0914457	Analytical Batch:	9L03062

Polychlorinated Biphenyls (PCBs) by EPA Method 8082

CAS Number	Analyte	Analytical Result	RL	MDL
12674-11-2	PCB-1016	510U	510	6.5
11104-28-2	PCB-1221	510U	510	12
11141-16-5	PCB-1232	510U	510	7.0
53469-21-9	PCB-1242	510U	510	7.2
12672-29-6	PCB-1248	510U	510	10
11097-69-1	PCB-1254	510U	510	9.2
11096-82-5	PCB-1260	510U	510	7.8

Surrogates:	***% Recovery***	***Control Limits***
Decachlorobiphenyl	82	*48-136*
Tetrachloro-m-xylene	89	*61-123*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-3A**	Sampled:	11/19/09 12:00
Lab Sample ID:	**0911425-10**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
*67-64-1	Acetone	**230J**	1100	110
107-02-8	Acrolein	350U	350	69
71-43-2	Benzene	71U	71	20
108-86-1	Bromobenzene	71U	71	16
74-97-5	Bromochloromethane	71U	71	16
75-27-4	Bromodichloromethane	71U	71	12
75-25-2	Bromoform	71U	71	35
74-83-9	Bromomethane	71U	71	43
104-51-8	n-Butylbenzene	71U	71	20
135-98-8	sec-Butylbenzene	71U	71	22
98-06-6	tert-Butylbenzene	71U	71	21
75-15-0	Carbon Disulfide	350U	350	20
56-23-5	Carbon Tetrachloride	71U	71	16
108-90-7	Chlorobenzene	71U	71	16
75-00-3	Chloroethane	71U	71	32
67-66-3	Chloroform	71U	71	16
74-87-3	Chloromethane	71U	71	21
95-49-8	2-Chlorotoluene	71U	71	19
106-43-4	4-Chlorotoluene	71U	71	20
96-12-8	1,2-Dibromo-3-chloropropane	350U	350	25
124-48-1	Dibromochloromethane	71U	71	35
106-93-4	1,2-Dibromoethane	71U	71	13
74-95-3	Dibromomethane	71U	71	15
95-50-1	1,2-Dichlorobenzene	71U	71	16
541-73-1	1,3-Dichlorobenzene	71U	71	19
106-46-7	1,4-Dichlorobenzene	71U	71	19
75-71-8	Dichlorodifluoromethane	71U	71	13
75-34-3	1,1-Dichloroethane	71U	71	17
107-06-2	1,2-Dichloroethane	71U	71	12

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-3A**	Sampled:	11/19/09 12:00
Lab Sample ID:	**0911425-10**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
75-35-4	1,1-Dichloroethene	71U	71	20
156-59-2	cis-1,2-Dichloroethene	71U	71	15
156-60-5	trans-1,2-Dichloroethene	71U	71	23
540-59-0	1,2-Dichloroethene (Total)	140U	140	38
78-87-5	1,2-Dichloropropane	71U	71	15
142-28-9	1,3-Dichloropropane	71U	71	11
594-20-7	2,2-Dichloropropane	71U	71	20
563-58-6	1,1-Dichloropropene	71U	71	23
10061-01-5	cis-1,3-Dichloropropene	71U	71	13
10061-02-6	trans-1,3-Dichloropropene	71U	71	9.9
100-41-4	Ethylbenzene	71U	71	21
87-68-3	Hexachlorobutadiene	71U	71	29
591-78-6	2-Hexanone	3500U	3500	37
98-82-8	Isopropylbenzene	71U	71	20
99-87-6	4-Isopropyltoluene	71U	71	21
1634-04-4	Methyl tert-Butyl Ether	71U	71	9.8
*75-09-2	Methylene Chloride	**33J**	350	14
78-93-3	2-Butanone (MEK)	3500U	3500	35
108-10-1	4-Methyl-2-pentanone (MIBK)	3500U	3500	34
91-20-3	Naphthalene	350U	350	29
103-65-1	n-Propylbenzene	71U	71	22
100-42-5	Styrene	71U	71	13
630-20-6	1,1,1,2-Tetrachloroethane	71U	71	13
79-34-5	1,1,2,2-Tetrachloroethane	71U	71	20
127-18-4	Tetrachloroethene	71U	71	27
108-88-3	Toluene	71U	71	21
87-61-6	1,2,3-Trichlorobenzene	71U	71	15
120-82-1	1,2,4-Trichlorobenzene	71U	71	25
71-55-6	1,1,1-Trichloroethane	71U	71	22
79-00-5	1,1,2-Trichloroethane	71U	71	35
79-01-6	Trichloroethene	71U	71	25

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-3A**	Sampled:	11/19/09 12:00
Lab Sample ID:	**0911425-10**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*75-69-4	Trichlorofluoromethane	71U	71	22
96-18-4	1,2,3-Trichloropropane	71U	71	31
95-63-6	1,2,4-Trimethylbenzene	71U	71	20
108-67-8	1,3,5-Trimethylbenzene	71U	71	18
75-01-4	Vinyl Chloride	71U	71	17
136777-61-2	Xylene, Meta + Para	140U	140	41
95-47-6	Xylene, Ortho	71U	71	20
1330-20-7	Xylene (Total)	210U	210	60

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	93	*75-123*
1,2-Dichloroethane-d4	97	*83-116*
Toluene-d8	101	*85-113*
4-Bromofluorobenzene	95	*81-117*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-3A**	Sampled:	11/19/09 12:00
Lab Sample ID:	**0911425-10**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	**2.0J**	26	1.2
208-96-8	Acenaphthylene	26U	26	2.6
120-12-7	Anthracene	**27**	26	4.0
*92-87-5	Benzidine	1000U	1000	260
*56-55-3	Benzo(a)anthracene	**200**	26	1.8
50-32-8	Benzo(a)pyrene	**110**	26	2.2
205-99-2	Benzo(b)fluoranthene	**180**	26	4.5
207-08-9	Benzo(k)fluoranthene	**94**	26	2.0
191-24-2	Benzo(g,h,i)perylene	**59**	52	1.5
65-85-0	Benzoic Acid	520U	520	200
100-51-6	Benzyl Alcohol	26U	26	7.0
101-55-3	4-Bromophenyl Phenyl Ether	26U	26	2.3
85-68-7	Butyl Benzyl Phthalate	**34J**	52	7.6
86-74-8	Carbazole	520U	520	130
59-50-7	4-Chloro-3-methylphenol	26U	26	5.1
106-47-8	4-Chloroaniline	52U	52	11
111-91-1	Bis(2-chloroethoxy)methane	26U	26	1.9
111-44-4	Bis(2-chloroethyl) Ether	26U	26	2.9
108-60-1	Bis(2-chloroisopropyl) Ether	26U	26	10
91-58-7	2-Chloronaphthalene	26U	26	3.4
95-57-8	2-Chlorophenol	26U	26	5.8
7005-72-3	4-Chlorophenyl Phenyl Ether	26U	26	5.2
218-01-9	Chrysene	**120**	26	5.4
53-70-3	Dibenz(a,h)anthracene	**21J**	52	12
132-64-9	Dibenzofuran	26U	26	14
*84-74-2	Di-n-butyl Phthalate	**180J**	260	39
106-46-7	1,4-Dichlorobenzene	26U	26	1.3
95-50-1	1,2-Dichlorobenzene	26U	26	1.8
541-73-1	1,3-Dichlorobenzene	26U	26	1.6

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-3A**	Sampled:	11/19/09 12:00
Lab Sample ID:	**0911425-10**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*91-94-1	3,3´-Dichlorobenzidine	260U	260	43
120-83-2	2,4-Dichlorophenol	26U	26	5.3
84-66-2	Diethyl Phthalate	26U	26	5.4
105-67-9	2,4-Dimethylphenol	520U	520	2.3
131-11-3	Dimethyl Phthalate	26U	26	1.3
534-52-1	4,6-Dinitro-2-methylphenol	100U	100	32
*51-28-5	2,4-Dinitrophenol	520U	520	160
606-20-2	2,6-Dinitrotoluene	26U	26	3.5
121-14-2	2,4-Dinitrotoluene	52U	52	29
117-84-0	Di-n-octyl Phthalate	26U	26	8.3
117-81-7	Bis(2-ethylhexyl) Phthalate	**100**	52	7.2
*206-44-0	Fluoranthene	**260**	26	1.2
86-73-7	Fluorene	26U	26	11
118-74-1	Hexachlorobenzene	26U	26	6.6
87-68-3	Hexachlorobutadiene	26U	26	5.3
77-47-4	Hexachlorocyclopentadiene	26U	26	3.1
67-72-1	Hexachloroethane	26U	26	3.8
193-39-5	Indeno(1,2,3-cd)pyrene	**43J**	52	5.7
78-59-1	Isophorone	26U	26	9.7
91-57-6	2-Methylnaphthalene	**3.0J**	26	0.70
106-44-5	4-Methylphenol	26U	26	6.9
108-39-4	3+4-Methylphenol	26U	26	6.9
95-48-7	2-Methylphenol	26U	26	7.4
91-20-3	Naphthalene	**3.6J**	26	3.2
100-01-6	4-Nitroaniline	100U	100	2.5
88-74-4	2-Nitroaniline	26U	26	11
*99-09-2	3-Nitroaniline	52U	52	11
98-95-3	Nitrobenzene	26U	26	8.0
88-75-5	2-Nitrophenol	26U	26	10
100-02-7	4-Nitrophenol	520U	520	210
86-30-6	N-Nitroso-diphenylamine	26U	26	15

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-3A**	Sampled:	11/19/09 12:00
Lab Sample ID:	**0911425-10**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
621-64-7	N-Nitroso-di-n-propylamine	26U	26	8.7
87-86-5	Pentachlorophenol	260U	260	69
85-01-8	Phenanthrene	**68**	26	1.6
108-95-2	Phenol	260U	260	70
*129-00-0	Pyrene	**280**	26	1.9
110-86-1	Pyridine	26U	26	8.0
120-82-1	1,2,4-Trichlorobenzene	26U	26	6.1
95-95-4	2,4,5-Trichlorophenol	26U	26	3.8
88-06-2	2,4,6-Trichlorophenol	26U	26	3.2

Surrogates:	***% Recovery***	***Control Limits***
2-Fluorophenol	75	*33-113*
Phenol-d6	65	*30-115*
Nitrobenzene-d5	76	*33-131*
2-Fluorobiphenyl	85	*46-122*
2,4,6-Tribromophenol	91	*12-124*
o-Terphenyl	88	*20-155*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-3A**	Sampled:	11/19/09 12:00
Lab Sample ID:	**0911425-10**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Percent Solids:	64		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Aluminum	**4400**		10	1.8	mg/kg dry wt.	1	USEPA-6010B	12/03/09	JMF	0914571
Arsenic	**6.6**		0.10	0.030	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Barium	**37**		0.10	0.032	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Cadmium	**0.14**		0.050	0.0053	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Chromium	**14**		0.10	0.045	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
***Copper**	**9.8**	**B**	0.10	0.043	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Lead	**6.6**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Mercury	0.050	U	0.050	0.0080	mg/kg dry wt.	1	USEPA-7471A	12/02/09	DSC	0914503
Nickel	**10**		0.10	0.025	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Selenium	**0.12**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Silver	**0.056**		0.050	0.011	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Zinc	**27**		1.0	0.44	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**O-09-SD-3A**	Sampled:	11/19/09 12:00
Lab Sample ID:	**0911425-10**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Chromium, Hexavalent	3.1	U	3.1	0.24	mg/kg dry	1	USEPA-7196A	12/06/09	HLB	0914375
Cyanide, Total	0.16	U	0.16	0.10	mg/kg dry	1	USEPA-9014	11/25/09	LMA	0914092
Fractional Organic Carbon	**0.0379**		0.0010	0.0010	g C/g Soil	1	ASTM D 2974-87	12/13/09	HLB	0914708
Percent Solids	**64**		0.1	0.1	%	1	USEPA-3550B	11/29/09	MSM	0914380
Carbon, Total Organic	**3.5**		0.10	0.0062	%	1	MSA 29-3.5.2	12/15/09	HLB	0915078

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-1A**	Sampled:	11/19/09 13:25
Lab Sample ID:	**0911425-11**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/01/09 By: BJH
Dilution Factor:	1	Analyzed:	12/03/09 By: MSZ
QC Batch:	0914457	Analytical Batch:	9L03062

Polychlorinated Biphenyls (PCBs) by EPA Method 8082

CAS Number	Analyte	Analytical Result	RL	MDL
12674-11-2	PCB-1016	420U	420	5.3
11104-28-2	PCB-1221	420U	420	9.9
11141-16-5	PCB-1232	420U	420	5.7
53469-21-9	PCB-1242	420U	420	5.8
12672-29-6	PCB-1248	**54J**	420	8.3
11097-69-1	PCB-1254	420U	420	7.5
11096-82-5	PCB-1260	420U	420	6.4

Surrogates:	***% Recovery***	***Control Limits***
Decachlorobiphenyl	79	*48-136*
Tetrachloro-m-xylene	86	*61-123*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-1A**	Sampled:	11/19/09 13:25
Lab Sample ID:	**0911425-11**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
*67-64-1	Acetone	**270J**	950	100
107-02-8	Acrolein	320U	320	62
71-43-2	Benzene	64U	64	18
108-86-1	Bromobenzene	64U	64	14
74-97-5	Bromochloromethane	64U	64	14
75-27-4	Bromodichloromethane	64U	64	11
75-25-2	Bromoform	64U	64	32
74-83-9	Bromomethane	64U	64	39
104-51-8	n-Butylbenzene	64U	64	18
135-98-8	sec-Butylbenzene	64U	64	20
98-06-6	tert-Butylbenzene	64U	64	19
75-15-0	Carbon Disulfide	320U	320	18
56-23-5	Carbon Tetrachloride	64U	64	14
108-90-7	Chlorobenzene	64U	64	14
75-00-3	Chloroethane	64U	64	29
67-66-3	Chloroform	64U	64	14
74-87-3	Chloromethane	64U	64	19
95-49-8	2-Chlorotoluene	64U	64	17
106-43-4	4-Chlorotoluene	64U	64	18
96-12-8	1,2-Dibromo-3-chloropropane	320U	320	22
124-48-1	Dibromochloromethane	64U	64	32
106-93-4	1,2-Dibromoethane	64U	64	12
74-95-3	Dibromomethane	64U	64	13
95-50-1	1,2-Dichlorobenzene	64U	64	15
541-73-1	1,3-Dichlorobenzene	64U	64	17
106-46-7	1,4-Dichlorobenzene	64U	64	17
75-71-8	Dichlorodifluoromethane	64U	64	12
75-34-3	1,1-Dichloroethane	64U	64	16
107-06-2	1,2-Dichloroethane	64U	64	11

Continued on next page

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-1A**	Sampled:	11/19/09 13:25
Lab Sample ID:	**0911425-11**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
75-35-4	1,1-Dichloroethene	64U	64	18
156-59-2	cis-1,2-Dichloroethene	64U	64	13
156-60-5	trans-1,2-Dichloroethene	64U	64	21
540-59-0	1,2-Dichloroethene (Total)	130U	130	35
78-87-5	1,2-Dichloropropane	64U	64	14
142-28-9	1,3-Dichloropropane	64U	64	10
594-20-7	2,2-Dichloropropane	64U	64	18
563-58-6	1,1-Dichloropropene	64U	64	21
10061-01-5	cis-1,3-Dichloropropene	64U	64	12
10061-02-6	trans-1,3-Dichloropropene	64U	64	8.9
100-41-4	Ethylbenzene	64U	64	19
87-68-3	Hexachlorobutadiene	64U	64	26
591-78-6	2-Hexanone	3200U	3200	33
98-82-8	Isopropylbenzene	64U	64	18
99-87-6	4-Isopropyltoluene	64U	64	19
1634-04-4	Methyl tert-Butyl Ether	64U	64	8.8
*75-09-2	Methylene Chloride	**28J**	320	13
78-93-3	2-Butanone (MEK)	3200U	3200	32
108-10-1	4-Methyl-2-pentanone (MIBK)	3200U	3200	30
91-20-3	Naphthalene	320U	320	26
103-65-1	n-Propylbenzene	64U	64	20
100-42-5	Styrene	64U	64	12
630-20-6	1,1,1,2-Tetrachloroethane	64U	64	11
79-34-5	1,1,2,2-Tetrachloroethane	64U	64	18
127-18-4	Tetrachloroethene	64U	64	25
108-88-3	Toluene	64U	64	19
87-61-6	1,2,3-Trichlorobenzene	64U	64	13
120-82-1	1,2,4-Trichlorobenzene	64U	64	22
71-55-6	1,1,1-Trichloroethane	64U	64	20
79-00-5	1,1,2-Trichloroethane	64U	64	32
79-01-6	Trichloroethene	64U	64	22

Continued on next page

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-1A**	Sampled:	11/19/09 13:25
Lab Sample ID:	**0911425-11**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*75-69-4	Trichlorofluoromethane	64U	64	20
96-18-4	1,2,3-Trichloropropane	64U	64	28
95-63-6	1,2,4-Trimethylbenzene	64U	64	18
108-67-8	1,3,5-Trimethylbenzene	64U	64	16
75-01-4	Vinyl Chloride	64U	64	16
136777-61-2	Xylene, Meta + Para	130U	130	37
95-47-6	Xylene, Ortho	64U	64	18
1330-20-7	Xylene (Total)	190U	190	54

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	95	*75-123*
1,2-Dichloroethane-d4	99	*83-116*
Toluene-d8	101	*85-113*
4-Bromofluorobenzene	96	*81-117*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-1A**	Sampled:	11/19/09 13:25
Lab Sample ID:	**0911425-11**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	**20J**	21	0.99
208-96-8	Acenaphthylene	**4.2J**	21	2.1
120-12-7	Anthracene	**90**	21	3.2
*92-87-5	Benzidine	850U	850	210
*56-55-3	Benzo(a)anthracene	**330**	21	1.4
50-32-8	Benzo(a)pyrene	**190**	21	1.8
205-99-2	Benzo(b)fluoranthene	**310**	21	3.7
207-08-9	Benzo(k)fluoranthene	**150**	21	1.6
191-24-2	Benzo(g,h,i)perylene	**86**	42	1.2
65-85-0	Benzoic Acid	420U	420	160
100-51-6	Benzyl Alcohol	21U	21	5.7
101-55-3	4-Bromophenyl Phenyl Ether	21U	21	1.9
85-68-7	Butyl Benzyl Phthalate	**32J**	42	6.2
86-74-8	Carbazole	420U	420	110
59-50-7	4-Chloro-3-methylphenol	21U	21	4.2
106-47-8	4-Chloroaniline	42U	42	9.0
111-91-1	Bis(2-chloroethoxy)methane	21U	21	1.6
111-44-4	Bis(2-chloroethyl) Ether	21U	21	2.4
108-60-1	Bis(2-chloroisopropyl) Ether	21U	21	8.5
91-58-7	2-Chloronaphthalene	21U	21	2.8
95-57-8	2-Chlorophenol	21U	21	4.8
7005-72-3	4-Chlorophenyl Phenyl Ether	21U	21	4.3
218-01-9	Chrysene	**240**	21	4.4
53-70-3	Dibenz(a,h)anthracene	**23J**	42	9.8
132-64-9	Dibenzofuran	21U	21	11
*84-74-2	Di-n-butyl Phthalate	**86J**	210	32
106-46-7	1,4-Dichlorobenzene	21U	21	1.1
95-50-1	1,2-Dichlorobenzene	21U	21	1.5
541-73-1	1,3-Dichlorobenzene	21U	21	1.3

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-1A**	Sampled:	11/19/09 13:25
Lab Sample ID:	**0911425-11**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*91-94-1	3,3´-Dichlorobenzidine	210U	210	35
120-83-2	2,4-Dichlorophenol	21U	21	4.3
84-66-2	Diethyl Phthalate	21U	21	4.4
105-67-9	2,4-Dimethylphenol	420U	420	1.9
131-11-3	Dimethyl Phthalate	21U	21	1.1
534-52-1	4,6-Dinitro-2-methylphenol	85U	85	26
*51-28-5	2,4-Dinitrophenol	420U	420	130
606-20-2	2,6-Dinitrotoluene	21U	21	2.9
121-14-2	2,4-Dinitrotoluene	42U	42	24
117-84-0	Di-n-octyl Phthalate	21U	21	6.8
117-81-7	Bis(2-ethylhexyl) Phthalate	**800**	42	5.9
*206-44-0	Fluoranthene	**560**	21	0.97
86-73-7	Fluorene	**23**	21	8.7
118-74-1	Hexachlorobenzene	21U	21	5.4
87-68-3	Hexachlorobutadiene	21U	21	4.4
77-47-4	Hexachlorocyclopentadiene	21U	21	2.6
67-72-1	Hexachloroethane	21U	21	3.1
193-39-5	Indeno(1,2,3-cd)pyrene	**73**	42	4.7
78-59-1	Isophorone	21U	21	7.9
91-57-6	2-Methylnaphthalene	**1.3J**	21	0.58
106-44-5	4-Methylphenol	21U	21	5.6
108-39-4	3+4-Methylphenol	21U	21	5.6
95-48-7	2-Methylphenol	21U	21	6.1
91-20-3	Naphthalene	21U	21	2.6
100-01-6	4-Nitroaniline	85U	85	2.0
88-74-4	2-Nitroaniline	21U	21	9.0
*99-09-2	3-Nitroaniline	42U	42	9.0
98-95-3	Nitrobenzene	21U	21	6.5
88-75-5	2-Nitrophenol	21U	21	8.4
100-02-7	4-Nitrophenol	420U	420	170
86-30-6	N-Nitroso-diphenylamine	21U	21	12

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-1A**	Sampled:	11/19/09 13:25
Lab Sample ID:	**0911425-11**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
621-64-7	N-Nitroso-di-n-propylamine	21U	21	7.1
87-86-5	Pentachlorophenol	210U	210	56
85-01-8	Phenanthrene	**230**	21	1.3
108-95-2	Phenol	210U	210	57
*129-00-0	Pyrene	**640**	21	1.5
110-86-1	Pyridine	21U	21	6.5
120-82-1	1,2,4-Trichlorobenzene	21U	21	5.0
95-95-4	2,4,5-Trichlorophenol	21U	21	3.1
88-06-2	2,4,6-Trichlorophenol	21U	21	2.6

Surrogates:	***% Recovery***	***Control Limits***
2-Fluorophenol	58	*33-113*
Phenol-d6	98	*30-115*
Nitrobenzene-d5	71	*33-131*
2-Fluorobiphenyl	85	*46-122*
2,4,6-Tribromophenol	94	*12-124*
o-Terphenyl	83	*20-155*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-1A**	Sampled:	11/19/09 13:25
Lab Sample ID:	**0911425-11**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Percent Solids:	79		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Aluminum	**2000**		9.4	1.7	mg/kg dry wt.	1	USEPA-6010B	12/03/09	JMF	0914571
Arsenic	**4.0**		0.10	0.030	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Barium	**17**		0.10	0.032	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Cadmium	**0.10**		0.050	0.0053	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Chromium	**21**		0.10	0.045	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
***Copper**	**15**	**B**	0.10	0.043	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Lead	**7.8**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Mercury	**0.0084**	**J**	0.050	0.0080	mg/kg dry wt.	1	USEPA-7471A	12/02/09	DSC	0914503
Nickel	**9.9**		0.10	0.025	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Selenium	**0.11**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Silver	**0.028**	**J**	0.050	0.011	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Zinc	**39**		1.0	0.44	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-1A**	Sampled:	11/19/09 13:25
Lab Sample ID:	**0911425-11**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Chromium, Hexavalent	**0.35**	**J**	2.5	0.19	mg/kg dry	1	USEPA-7196A	12/06/09	HLB	0914375
Cyanide, Total	0.13	U	0.13	0.085	mg/kg dry	1	USEPA-9014	11/25/09	LMA	0914092
Fractional Organic Carbon	**0.0096**		0.0010	0.0010	g C/g Soil	1	ASTM D 2974-87	12/13/09	HLB	0914708
Percent Solids	**79**		0.1	0.1	%	1	USEPA-3550B	11/29/09	MSM	0914380
Carbon, Total Organic	**0.92**		0.10	0.0062	%	1	MSA 29-3.5.2	12/15/09	HLB	0915078

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-1B**	Sampled:	11/19/09 13:25
Lab Sample ID:	**0911425-12**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/01/09 By: BJH
Dilution Factor:	1	Analyzed:	12/03/09 By: MSZ
QC Batch:	0914457	Analytical Batch:	9L03062

Polychlorinated Biphenyls (PCBs) by EPA Method 8082

CAS Number	Analyte	Analytical Result	RL	MDL
12674-11-2	PCB-1016	520U	520	6.6
11104-28-2	PCB-1221	520U	520	12
11141-16-5	PCB-1232	520U	520	7.1
53469-21-9	PCB-1242	520U	520	7.2
12672-29-6	PCB-1248	520U	520	10
11097-69-1	PCB-1254	520U	520	9.2
11096-82-5	PCB-1260	520U	520	7.8

Surrogates:	***% Recovery***	***Control Limits***
Decachlorobiphenyl	85	*48-136*
Tetrachloro-m-xylene	92	*61-123*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-1B**	Sampled:	11/19/09 13:25
Lab Sample ID:	**0911425-12**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
*67-64-1	Acetone	**310J**	1100	120
107-02-8	Acrolein	370U	370	72
71-43-2	Benzene	73U	73	21
108-86-1	Bromobenzene	73U	73	16
74-97-5	Bromochloromethane	73U	73	16
75-27-4	Bromodichloromethane	73U	73	12
75-25-2	Bromoform	73U	73	37
74-83-9	Bromomethane	73U	73	45
104-51-8	n-Butylbenzene	73U	73	20
135-98-8	sec-Butylbenzene	73U	73	23
98-06-6	tert-Butylbenzene	73U	73	21
75-15-0	Carbon Disulfide	370U	370	21
56-23-5	Carbon Tetrachloride	73U	73	16
108-90-7	Chlorobenzene	73U	73	16
75-00-3	Chloroethane	73U	73	33
67-66-3	Chloroform	73U	73	17
74-87-3	Chloromethane	73U	73	22
95-49-8	2-Chlorotoluene	73U	73	20
106-43-4	4-Chlorotoluene	73U	73	21
96-12-8	1,2-Dibromo-3-chloropropane	370U	370	25
124-48-1	Dibromochloromethane	73U	73	37
106-93-4	1,2-Dibromoethane	73U	73	13
74-95-3	Dibromomethane	73U	73	15
95-50-1	1,2-Dichlorobenzene	73U	73	17
541-73-1	1,3-Dichlorobenzene	73U	73	20
106-46-7	1,4-Dichlorobenzene	73U	73	20
75-71-8	Dichlorodifluoromethane	73U	73	14
75-34-3	1,1-Dichloroethane	73U	73	18
107-06-2	1,2-Dichloroethane	73U	73	13

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-1B**	Sampled:	11/19/09 13:25
Lab Sample ID:	**0911425-12**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
75-35-4	1,1-Dichloroethene	73U	73	21
156-59-2	cis-1,2-Dichloroethene	73U	73	16
156-60-5	trans-1,2-Dichloroethene	73U	73	24
540-59-0	1,2-Dichloroethene (Total)	150U	150	40
78-87-5	1,2-Dichloropropane	73U	73	16
142-28-9	1,3-Dichloropropane	73U	73	12
594-20-7	2,2-Dichloropropane	73U	73	21
563-58-6	1,1-Dichloropropene	73U	73	24
10061-01-5	cis-1,3-Dichloropropene	73U	73	13
10061-02-6	trans-1,3-Dichloropropene	73U	73	10
100-41-4	Ethylbenzene	73U	73	22
87-68-3	Hexachlorobutadiene	73U	73	30
591-78-6	2-Hexanone	3700U	3700	38
98-82-8	Isopropylbenzene	73U	73	20
99-87-6	4-Isopropyltoluene	73U	73	22
1634-04-4	Methyl tert-Butyl Ether	73U	73	10
*75-09-2	Methylene Chloride	**34J**	370	15
78-93-3	2-Butanone (MEK)	3700U	3700	37
108-10-1	4-Methyl-2-pentanone (MIBK)	3700U	3700	35
91-20-3	Naphthalene	370U	370	30
103-65-1	n-Propylbenzene	73U	73	23
100-42-5	Styrene	73U	73	14
630-20-6	1,1,1,2-Tetrachloroethane	73U	73	13
79-34-5	1,1,2,2-Tetrachloroethane	73U	73	21
127-18-4	Tetrachloroethene	73U	73	28
108-88-3	Toluene	73U	73	21
87-61-6	1,2,3-Trichlorobenzene	73U	73	15
120-82-1	1,2,4-Trichlorobenzene	73U	73	26
71-55-6	1,1,1-Trichloroethane	73U	73	23
79-00-5	1,1,2-Trichloroethane	73U	73	37
79-01-6	Trichloroethene	73U	73	26

Continued on next page

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-1B**	Sampled:	11/19/09 13:25
Lab Sample ID:	**0911425-12**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*75-69-4	Trichlorofluoromethane	73U	73	23
96-18-4	1,2,3-Trichloropropane	73U	73	32
95-63-6	1,2,4-Trimethylbenzene	73U	73	21
108-67-8	1,3,5-Trimethylbenzene	73U	73	19
75-01-4	Vinyl Chloride	73U	73	18
136777-61-2	Xylene, Meta + Para	150U	150	42
95-47-6	Xylene, Ortho	73U	73	20
1330-20-7	Xylene (Total)	220U	220	63

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	95	*75-123*
1,2-Dichloroethane-d4	100	*83-116*
Toluene-d8	103	*85-113*
4-Bromofluorobenzene	96	*81-117*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-1B**	Sampled:	11/19/09 13:25
Lab Sample ID:	**0911425-12**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	**2.6J**	26	1.2
208-96-8	Acenaphthylene	26U	26	2.6
120-12-7	Anthracene	**13J**	26	4.0
*92-87-5	Benzidine	1000U	1000	260
*56-55-3	Benzo(a)anthracene	**58**	26	1.8
50-32-8	Benzo(a)pyrene	**38**	26	2.2
205-99-2	Benzo(b)fluoranthene	**68**	26	4.6
207-08-9	Benzo(k)fluoranthene	**17J**	26	2.0
191-24-2	Benzo(g,h,i)perylene	**13J**	52	1.5
65-85-0	Benzoic Acid	520U	520	200
100-51-6	Benzyl Alcohol	26U	26	7.0
101-55-3	4-Bromophenyl Phenyl Ether	26U	26	2.3
85-68-7	Butyl Benzyl Phthalate	**32J**	52	7.7
86-74-8	Carbazole	520U	520	130
59-50-7	4-Chloro-3-methylphenol	26U	26	5.2
106-47-8	4-Chloroaniline	52U	52	11
111-91-1	Bis(2-chloroethoxy)methane	26U	26	2.0
111-44-4	Bis(2-chloroethyl) Ether	26U	26	2.9
108-60-1	Bis(2-chloroisopropyl) Ether	26U	26	10
91-58-7	2-Chloronaphthalene	26U	26	3.4
95-57-8	2-Chlorophenol	26U	26	5.9
7005-72-3	4-Chlorophenyl Phenyl Ether	26U	26	5.3
218-01-9	Chrysene	**37**	26	5.5
53-70-3	Dibenz(a,h)anthracene	52U	52	12
132-64-9	Dibenzofuran	26U	26	14
*84-74-2	Di-n-butyl Phthalate	**270**	260	39
106-46-7	1,4-Dichlorobenzene	26U	26	1.4
95-50-1	1,2-Dichlorobenzene	26U	26	1.8
541-73-1	1,3-Dichlorobenzene	26U	26	1.6

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-1B**	Sampled:	11/19/09 13:25
Lab Sample ID:	**0911425-12**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*91-94-1	3,3´-Dichlorobenzidine	260U	260	44
120-83-2	2,4-Dichlorophenol	26U	26	5.3
84-66-2	Diethyl Phthalate	26U	26	5.4
105-67-9	2,4-Dimethylphenol	520U	520	2.3
131-11-3	Dimethyl Phthalate	26U	26	1.4
534-52-1	4,6-Dinitro-2-methylphenol	100U	100	32
*51-28-5	2,4-Dinitrophenol	520U	520	160
606-20-2	2,6-Dinitrotoluene	26U	26	3.6
121-14-2	2,4-Dinitrotoluene	52U	52	29
117-84-0	Di-n-octyl Phthalate	26U	26	8.3
117-81-7	Bis(2-ethylhexyl) Phthalate	**280**	52	7.3
*206-44-0	Fluoranthene	**100**	26	1.2
86-73-7	Fluorene	26U	26	11
118-74-1	Hexachlorobenzene	26U	26	6.7
87-68-3	Hexachlorobutadiene	26U	26	5.4
77-47-4	Hexachlorocyclopentadiene	26U	26	3.2
67-72-1	Hexachloroethane	26U	26	3.9
193-39-5	Indeno(1,2,3-cd)pyrene	**7.4J**	52	5.8
78-59-1	Isophorone	26U	26	9.7
91-57-6	2-Methylnaphthalene	26U	26	0.71
106-44-5	4-Methylphenol	26U	26	6.9
108-39-4	3+4-Methylphenol	26U	26	6.9
95-48-7	2-Methylphenol	26U	26	7.5
91-20-3	Naphthalene	26U	26	3.3
100-01-6	4-Nitroaniline	100U	100	2.5
88-74-4	2-Nitroaniline	26U	26	11
*99-09-2	3-Nitroaniline	52U	52	11
98-95-3	Nitrobenzene	26U	26	8.1
88-75-5	2-Nitrophenol	26U	26	10
100-02-7	4-Nitrophenol	520U	520	210
86-30-6	N-Nitroso-diphenylamine	26U	26	15

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-1B**	Sampled:	11/19/09 13:25
Lab Sample ID:	**0911425-12**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
621-64-7	N-Nitroso-di-n-propylamine	26U	26	8.8
87-86-5	Pentachlorophenol	260U	260	69
85-01-8	Phenanthrene	**32**	26	1.6
108-95-2	Phenol	260U	260	70
*129-00-0	Pyrene	**95**	26	1.9
110-86-1	Pyridine	26U	26	8.0
120-82-1	1,2,4-Trichlorobenzene	26U	26	6.1
95-95-4	2,4,5-Trichlorophenol	26U	26	3.9
88-06-2	2,4,6-Trichlorophenol	26U	26	3.2

Surrogates:	***% Recovery***	***Control Limits***
2-Fluorophenol	52	*33-113*
Phenol-d6	97	*30-115*
Nitrobenzene-d5	73	*33-131*
2-Fluorobiphenyl	83	*46-122*
2,4,6-Tribromophenol	83	*12-124*
o-Terphenyl	90	*20-155*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-1B**	Sampled:	11/19/09 13:25
Lab Sample ID:	**0911425-12**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Percent Solids:	64		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Aluminum	**2100**		10	1.8	mg/kg dry wt.	1	USEPA-6010B	12/03/09	JMF	0914571
Arsenic	**3.9**		0.093	0.028	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Barium	**16**		0.093	0.030	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Cadmium	**0.090**		0.046	0.0049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Chromium	**4.9**		0.093	0.042	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
***Copper**	**3.3**	**B**	0.093	0.040	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Lead	**3.2**		0.093	0.046	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Mercury	**0.047**		0.046	0.0074	mg/kg dry wt.	1	USEPA-7471A	12/02/09	DSC	0914503
Nickel	**4.9**		0.093	0.023	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Selenium	0.093	U	0.093	0.046	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Silver	**0.022**	**J**	0.046	0.010	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Zinc	**16**		0.93	0.41	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-1B**	Sampled:	11/19/09 13:25
Lab Sample ID:	**0911425-12**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Chromium, Hexavalent	**0.35**	**J**	3.1	0.24	mg/kg dry	1	USEPA-7196A	12/06/09	HLB	0914375
Cyanide, Total	0.16	U	0.16	0.10	mg/kg dry	1	USEPA-9014	11/25/09	LMA	0914092
Fractional Organic Carbon	**0.0306**		0.0010	0.0010	g C/g Soil	1	ASTM D 2974-87	12/13/09	HLB	0914708
Percent Solids	**64**		0.1	0.1	%	1	USEPA-3550B	11/29/09	MSM	0914380
Carbon, Total Organic	**1.6**		0.10	0.0062	%	1	MSA 29-3.5.2	12/15/09	HLB	0915078

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**03: FB1119-2**	Sampled:	11/19/09 13:30
Lab Sample ID:	**0911425-13**	Sampled By:	TML
Matrix:	Methanol	Received:	11/20/09 18:15
Unit:	ug/kg wet	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
*67-64-1	Acetone	**250J**	750	81
107-02-8	Acrolein	250U	250	49
71-43-2	Benzene	50U	50	14
108-86-1	Bromobenzene	50U	50	11
74-97-5	Bromochloromethane	50U	50	11
75-27-4	Bromodichloromethane	50U	50	8.4
75-25-2	Bromoform	50U	50	25
74-83-9	Bromomethane	50U	50	31
104-51-8	n-Butylbenzene	50U	50	14
135-98-8	sec-Butylbenzene	50U	50	15
98-06-6	tert-Butylbenzene	50U	50	15
75-15-0	Carbon Disulfide	250U	250	14
56-23-5	Carbon Tetrachloride	50U	50	11
108-90-7	Chlorobenzene	50U	50	11
75-00-3	Chloroethane	50U	50	22
67-66-3	Chloroform	50U	50	11
74-87-3	Chloromethane	50U	50	15
95-49-8	2-Chlorotoluene	50U	50	14
106-43-4	4-Chlorotoluene	50U	50	14
96-12-8	1,2-Dibromo-3-chloropropane	250U	250	17
124-48-1	Dibromochloromethane	50U	50	25
106-93-4	1,2-Dibromoethane	50U	50	9.2
74-95-3	Dibromomethane	50U	50	10
95-50-1	1,2-Dichlorobenzene	50U	50	12
541-73-1	1,3-Dichlorobenzene	50U	50	14
106-46-7	1,4-Dichlorobenzene	50U	50	14
75-71-8	Dichlorodifluoromethane	50U	50	9.4
75-34-3	1,1-Dichloroethane	50U	50	12
107-06-2	1,2-Dichloroethane	50U	50	8.6
75-35-4	1,1-Dichloroethene	50U	50	14
156-59-2	cis-1,2-Dichloroethene	50U	50	11

Continued on next page

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**03: FB1119-2**	Sampled:	11/19/09 13:30
Lab Sample ID:	**0911425-13**	Sampled By:	TML
Matrix:	Methanol	Received:	11/20/09 18:15
Unit:	ug/kg wet	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
156-60-5	trans-1,2-Dichloroethene	50U	50	17
540-59-0	1,2-Dichloroethene (Total)	100U	100	27
78-87-5	1,2-Dichloropropane	50U	50	11
142-28-9	1,3-Dichloropropane	50U	50	8.1
594-20-7	2,2-Dichloropropane	50U	50	14
563-58-6	1,1-Dichloropropene	50U	50	16
10061-01-5	cis-1,3-Dichloropropene	50U	50	9.1
10061-02-6	trans-1,3-Dichloropropene	50U	50	7.0
100-41-4	Ethylbenzene	50U	50	15
87-68-3	Hexachlorobutadiene	50U	50	20
591-78-6	2-Hexanone	2500U	2500	26
98-82-8	Isopropylbenzene	50U	50	14
99-87-6	4-Isopropyltoluene	50U	50	15
1634-04-4	Methyl tert-Butyl Ether	50U	50	6.9
*75-09-2	Methylene Chloride	**29J**	250	10
78-93-3	2-Butanone (MEK)	2500U	2500	25
108-10-1	4-Methyl-2-pentanone (MIBK)	2500U	2500	24
91-20-3	Naphthalene	250U	250	21
103-65-1	n-Propylbenzene	50U	50	16
100-42-5	Styrene	50U	50	9.4
630-20-6	1,1,1,2-Tetrachloroethane	50U	50	8.9
79-34-5	1,1,2,2-Tetrachloroethane	50U	50	14
127-18-4	Tetrachloroethene	50U	50	19
108-88-3	Toluene	50U	50	15
87-61-6	1,2,3-Trichlorobenzene	50U	50	10
120-82-1	1,2,4-Trichlorobenzene	50U	50	18
71-55-6	1,1,1-Trichloroethane	50U	50	16
79-00-5	1,1,2-Trichloroethane	50U	50	25
79-01-6	Trichloroethene	50U	50	18
*75-69-4	Trichlorofluoromethane	50U	50	16
96-18-4	1,2,3-Trichloropropane	50U	50	22

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**03: FB1119-2**	Sampled:	11/19/09 13:30
Lab Sample ID:	**0911425-13**	Sampled By:	TML
Matrix:	Methanol	Received:	11/20/09 18:15
Unit:	ug/kg wet	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/25/09 By: JDM
QC Batch:	0914473	Analytical Batch:	9L01012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
95-63-6	1,2,4-Trimethylbenzene	50U	50	14
108-67-8	1,3,5-Trimethylbenzene	50U	50	13
75-01-4	Vinyl Chloride	50U	50	12
136777-61-2	Xylene, Meta + Para	100U	100	29
95-47-6	Xylene, Ortho	50U	50	14
1330-20-7	Xylene (Total)	150U	150	43

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	94	*75-123*
1,2-Dichloroethane-d4	97	*83-116*
Toluene-d8	102	*85-113*
4-Bromofluorobenzene	95	*81-117*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-2A**	Sampled:	11/19/09 13:45
Lab Sample ID:	**0911425-14**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/01/09 By: BJH
Dilution Factor:	1	Analyzed:	12/03/09 By: MSZ
QC Batch:	0914457	Analytical Batch:	9L03062

Polychlorinated Biphenyls (PCBs) by EPA Method 8082

CAS Number	Analyte	Analytical Result	RL	MDL
12674-11-2	PCB-1016	390U	390	5.0
11104-28-2	PCB-1221	390U	390	9.2
11141-16-5	PCB-1232	390U	390	5.3
53469-21-9	PCB-1242	390U	390	5.5
12672-29-6	PCB-1248	**8.5J**	390	7.7
11097-69-1	PCB-1254	390U	390	7.0
11096-82-5	PCB-1260	390U	390	5.9

Surrogates:	***% Recovery***	***Control Limits***
Decachlorobiphenyl	83	*48-136*
Tetrachloro-m-xylene	98	*61-123*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-2A**	Sampled:	11/19/09 13:45
Lab Sample ID:	**0911425-14**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/26/09 By: JDM
QC Batch:	0914477	Analytical Batch:	9L01014

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
*67-64-1	Acetone	**240J**	890	96
107-02-8	Acrolein	300U	300	58
71-43-2	Benzene	59U	59	17
108-86-1	Bromobenzene	59U	59	13
74-97-5	Bromochloromethane	59U	59	13
75-27-4	Bromodichloromethane	59U	59	10
75-25-2	Bromoform	59U	59	30
74-83-9	Bromomethane	59U	59	36
104-51-8	n-Butylbenzene	59U	59	16
135-98-8	sec-Butylbenzene	59U	59	18
98-06-6	tert-Butylbenzene	59U	59	17
75-15-0	Carbon Disulfide	300U	300	17
56-23-5	Carbon Tetrachloride	59U	59	13
108-90-7	Chlorobenzene	59U	59	13
75-00-3	Chloroethane	59U	59	27
67-66-3	Chloroform	59U	59	14
74-87-3	Chloromethane	59U	59	18
95-49-8	2-Chlorotoluene	59U	59	16
106-43-4	4-Chlorotoluene	59U	59	17
96-12-8	1,2-Dibromo-3-chloropropane	300U	300	21
124-48-1	Dibromochloromethane	59U	59	30
106-93-4	1,2-Dibromoethane	59U	59	11
74-95-3	Dibromomethane	59U	59	12
95-50-1	1,2-Dichlorobenzene	59U	59	14
541-73-1	1,3-Dichlorobenzene	59U	59	16
106-46-7	1,4-Dichlorobenzene	59U	59	16
75-71-8	Dichlorodifluoromethane	59U	59	11
75-34-3	1,1-Dichloroethane	59U	59	14
107-06-2	1,2-Dichloroethane	59U	59	10

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-2A**	Sampled:	11/19/09 13:45
Lab Sample ID:	**0911425-14**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/26/09 By: JDM
QC Batch:	0914477	Analytical Batch:	9L01014

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
75-35-4	1,1-Dichloroethene	59U	59	17
156-59-2	cis-1,2-Dichloroethene	59U	59	13
156-60-5	trans-1,2-Dichloroethene	59U	59	20
540-59-0	1,2-Dichloroethene (Total)	120U	120	32
78-87-5	1,2-Dichloropropane	59U	59	13
142-28-9	1,3-Dichloropropane	59U	59	9.6
594-20-7	2,2-Dichloropropane	59U	59	17
563-58-6	1,1-Dichloropropene	59U	59	19
10061-01-5	cis-1,3-Dichloropropene	59U	59	11
10061-02-6	trans-1,3-Dichloropropene	59U	59	8.3
100-41-4	Ethylbenzene	59U	59	18
87-68-3	Hexachlorobutadiene	59U	59	24
591-78-6	2-Hexanone	3000U	3000	31
98-82-8	Isopropylbenzene	59U	59	16
99-87-6	4-Isopropyltoluene	59U	59	17
1634-04-4	Methyl tert-Butyl Ether	59U	59	8.2
*75-09-2	Methylene Chloride	**34J**	300	12
78-93-3	2-Butanone (MEK)	3000U	3000	30
108-10-1	4-Methyl-2-pentanone (MIBK)	3000U	3000	28
91-20-3	Naphthalene	**180J**	300	25
103-65-1	n-Propylbenzene	59U	59	18
100-42-5	Styrene	59U	59	11
630-20-6	1,1,1,2-Tetrachloroethane	59U	59	11
79-34-5	1,1,2,2-Tetrachloroethane	59U	59	17
127-18-4	Tetrachloroethene	59U	59	23
108-88-3	Toluene	59U	59	17
87-61-6	1,2,3-Trichlorobenzene	59U	59	12
120-82-1	1,2,4-Trichlorobenzene	59U	59	21
71-55-6	1,1,1-Trichloroethane	59U	59	18
79-00-5	1,1,2-Trichloroethane	59U	59	30
79-01-6	Trichloroethene	59U	59	21

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-2A**	Sampled:	11/19/09 13:45
Lab Sample ID:	**0911425-14**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/26/09 By: JDM
QC Batch:	0914477	Analytical Batch:	9L01014

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*75-69-4	Trichlorofluoromethane	59U	59	18
96-18-4	1,2,3-Trichloropropane	59U	59	26
95-63-6	1,2,4-Trimethylbenzene	59U	59	17
108-67-8	1,3,5-Trimethylbenzene	59U	59	15
75-01-4	Vinyl Chloride	59U	59	14
136777-61-2	Xylene, Meta + Para	120U	120	34
95-47-6	Xylene, Ortho	59U	59	16
1330-20-7	Xylene (Total)	180U	180	51

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	94	*75-123*
1,2-Dichloroethane-d4	96	*83-116*
Toluene-d8	98	*85-113*
4-Bromofluorobenzene	93	*81-117*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-2A**	Sampled:	11/19/09 13:45
Lab Sample ID:	**0911425-14**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/11/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	**2.0J**	20	0.92
208-96-8	Acenaphthylene	20U	20	2.0
120-12-7	Anthracene	**7.0J**	20	3.0
*92-87-5	Benzidine	790U	790	200
*56-55-3	Benzo(a)anthracene	**36**	20	1.3
50-32-8	Benzo(a)pyrene	**23**	20	1.7
205-99-2	Benzo(b)fluoranthene	**43**	20	3.5
207-08-9	Benzo(k)fluoranthene	**12J**	20	1.5
191-24-2	Benzo(g,h,i)perylene	**21J**	39	1.1
65-85-0	Benzoic Acid	390U	390	150
100-51-6	Benzyl Alcohol	**35**	20	5.3
101-55-3	4-Bromophenyl Phenyl Ether	20U	20	1.8
85-68-7	Butyl Benzyl Phthalate	**12J**	39	5.8
86-74-8	Carbazole	390U	390	99
59-50-7	4-Chloro-3-methylphenol	20U	20	3.9
106-47-8	4-Chloroaniline	39U	39	8.4
111-91-1	Bis(2-chloroethoxy)methane	20U	20	1.5
111-44-4	Bis(2-chloroethyl) Ether	20U	20	2.2
108-60-1	Bis(2-chloroisopropyl) Ether	20U	20	7.9
91-58-7	2-Chloronaphthalene	20U	20	2.6
95-57-8	2-Chlorophenol	20U	20	4.5
7005-72-3	4-Chlorophenyl Phenyl Ether	20U	20	4.0
218-01-9	Chrysene	**25**	20	4.1
53-70-3	Dibenz(a,h)anthracene	39U	39	9.1
132-64-9	Dibenzofuran	20U	20	10
*84-74-2	Di-n-butyl Phthalate	**360**	200	29
106-46-7	1,4-Dichlorobenzene	20U	20	1.0
95-50-1	1,2-Dichlorobenzene	20U	20	1.4
541-73-1	1,3-Dichlorobenzene	20U	20	1.2

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-2A**	Sampled:	11/19/09 13:45
Lab Sample ID:	**0911425-14**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/11/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*91-94-1	3,3´-Dichlorobenzidine	200U	200	33
120-83-2	2,4-Dichlorophenol	20U	20	4.0
84-66-2	Diethyl Phthalate	**4.7J**	20	4.1
105-67-9	2,4-Dimethylphenol	390U	390	1.8
131-11-3	Dimethyl Phthalate	20U	20	1.0
534-52-1	4,6-Dinitro-2-methylphenol	79U	79	24
*51-28-5	2,4-Dinitrophenol	390U	390	120
606-20-2	2,6-Dinitrotoluene	20U	20	2.7
121-14-2	2,4-Dinitrotoluene	39U	39	22
117-84-0	Di-n-octyl Phthalate	20U	20	6.3
117-81-7	Bis(2-ethylhexyl) Phthalate	**54**	39	5.5
*206-44-0	Fluoranthene	**67**	20	0.90
86-73-7	Fluorene	20U	20	8.1
118-74-1	Hexachlorobenzene	20U	20	5.1
87-68-3	Hexachlorobutadiene	20U	20	4.1
77-47-4	Hexachlorocyclopentadiene	20U	20	2.4
67-72-1	Hexachloroethane	20U	20	2.9
193-39-5	Indeno(1,2,3-cd)pyrene	**25J**	39	4.4
78-59-1	Isophorone	20U	20	7.4
91-57-6	2-Methylnaphthalene	**1.2J**	20	0.54
106-44-5	4-Methylphenol	20U	20	5.3
108-39-4	3+4-Methylphenol	20U	20	5.3
95-48-7	2-Methylphenol	20U	20	5.6
91-20-3	Naphthalene	20U	20	2.5
100-01-6	4-Nitroaniline	79U	79	1.9
88-74-4	2-Nitroaniline	20U	20	8.4
*99-09-2	3-Nitroaniline	39U	39	8.4
98-95-3	Nitrobenzene	20U	20	6.1
88-75-5	2-Nitrophenol	20U	20	7.8
100-02-7	4-Nitrophenol	390U	390	160
86-30-6	N-Nitroso-diphenylamine	20U	20	11

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-2A**	Sampled:	11/19/09 13:45
Lab Sample ID:	**0911425-14**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/11/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
621-64-7	N-Nitroso-di-n-propylamine	20U	20	6.7
87-86-5	Pentachlorophenol	200U	200	52
85-01-8	Phenanthrene	**30**	20	1.2
108-95-2	Phenol	200U	200	53
*129-00-0	Pyrene	**58**	20	1.4
110-86-1	Pyridine	20U	20	6.1
120-82-1	1,2,4-Trichlorobenzene	20U	20	4.6
95-95-4	2,4,5-Trichlorophenol	20U	20	2.9
88-06-2	2,4,6-Trichlorophenol	20U	20	2.4

Surrogates:	***% Recovery***	***Control Limits***
2-Fluorophenol	87	*33-113*
Phenol-d6	84	*30-115*
Nitrobenzene-d5	76	*33-131*
2-Fluorobiphenyl	86	*46-122*
2,4,6-Tribromophenol	81	*12-124*
o-Terphenyl	95	*20-155*

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-2A**	Sampled:	11/19/09 13:45
Lab Sample ID:	**0911425-14**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Percent Solids:	84		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Aluminum	**2100**		9.3	1.7	mg/kg dry wt.	1	USEPA-6010B	12/03/09	JMF	0914571
Arsenic	**5.4**		0.10	0.030	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Barium	**12**		0.10	0.032	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Cadmium	**0.067**		0.050	0.0053	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Chromium	**23**		0.10	0.045	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
***Copper**	**11**	**B**	0.10	0.043	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Lead	**11**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Mercury	**0.0084**	**J**	0.047	0.0075	mg/kg dry wt.	1	USEPA-7471A	12/02/09	DSC	0914503
Nickel	**10**		0.10	0.025	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Selenium	**0.093**	**J**	0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Silver	**0.021**	**J**	0.050	0.011	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Zinc	**25**		1.0	0.44	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-2A**	Sampled:	11/19/09 13:45
Lab Sample ID:	**0911425-14**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Chromium, Hexavalent	2.2	U	2.2	0.17	mg/kg dry	1	USEPA-7196A	12/06/09	HLB	0914375
Cyanide, Total	0.12	U	0.12	0.079	mg/kg dry	1	USEPA-9014	11/25/09	LMA	0914092
Fractional Organic Carbon	**0.0094**		0.0010	0.0010	g C/g Soil	1	ASTM D 2974-87	12/13/09	HLB	0914708
Percent Solids	**84**		0.1	0.1	%	1	USEPA-3550B	11/30/09	MSM	0914439
Carbon, Total Organic	**0.63**		0.10	0.0062	%	1	MSA 29-3.5.2	12/15/09	HLB	0915078

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-2B**	Sampled:	11/19/09 13:45
Lab Sample ID:	**0911425-15**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/01/09 By: BJH
Dilution Factor:	1	Analyzed:	12/03/09 By: MSZ
QC Batch:	0914457	Analytical Batch:	9L03062

Polychlorinated Biphenyls (PCBs) by EPA Method 8082

CAS Number	Analyte	Analytical Result	RL	MDL
12674-11-2	PCB-1016	470U	470	6.0
11104-28-2	PCB-1221	470U	470	11
11141-16-5	PCB-1232	470U	470	6.4
53469-21-9	PCB-1242	470U	470	6.6
12672-29-6	PCB-1248	470U	470	9.3
11097-69-1	PCB-1254	470U	470	8.5
11096-82-5	PCB-1260	470U	470	7.2

Surrogates:	***% Recovery***	***Control Limits***
Decachlorobiphenyl	96	*48-136*
Tetrachloro-m-xylene	97	*61-123*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-2B**	Sampled:	11/19/09 13:45
Lab Sample ID:	**0911425-15**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/26/09 By: JDM
QC Batch:	0914477	Analytical Batch:	9L01014

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
*67-64-1	Acetone	**340J**	1100	120
107-02-8	Acrolein	360U	360	70
71-43-2	Benzene	72U	72	20
108-86-1	Bromobenzene	72U	72	16
74-97-5	Bromochloromethane	72U	72	16
75-27-4	Bromodichloromethane	72U	72	12
75-25-2	Bromoform	72U	72	36
74-83-9	Bromomethane	72U	72	44
104-51-8	n-Butylbenzene	72U	72	20
135-98-8	sec-Butylbenzene	72U	72	22
98-06-6	tert-Butylbenzene	72U	72	21
75-15-0	Carbon Disulfide	360U	360	20
56-23-5	Carbon Tetrachloride	72U	72	16
108-90-7	Chlorobenzene	72U	72	16
75-00-3	Chloroethane	72U	72	32
67-66-3	Chloroform	72U	72	16
74-87-3	Chloromethane	72U	72	21
95-49-8	2-Chlorotoluene	72U	72	19
106-43-4	4-Chlorotoluene	72U	72	20
96-12-8	1,2-Dibromo-3-chloropropane	360U	360	25
124-48-1	Dibromochloromethane	72U	72	36
106-93-4	1,2-Dibromoethane	72U	72	13
74-95-3	Dibromomethane	72U	72	15
95-50-1	1,2-Dichlorobenzene	72U	72	17
541-73-1	1,3-Dichlorobenzene	72U	72	19
106-46-7	1,4-Dichlorobenzene	72U	72	19
75-71-8	Dichlorodifluoromethane	72U	72	14
75-34-3	1,1-Dichloroethane	72U	72	17
107-06-2	1,2-Dichloroethane	72U	72	12

Continued on next page

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-2B**	Sampled:	11/19/09 13:45
Lab Sample ID:	**0911425-15**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/26/09 By: JDM
QC Batch:	0914477	Analytical Batch:	9L01014

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
75-35-4	1,1-Dichloroethene	72U	72	21
156-59-2	cis-1,2-Dichloroethene	72U	72	15
156-60-5	trans-1,2-Dichloroethene	72U	72	24
540-59-0	1,2-Dichloroethene (Total)	140U	140	39
78-87-5	1,2-Dichloropropane	72U	72	15
142-28-9	1,3-Dichloropropane	72U	72	12
594-20-7	2,2-Dichloropropane	72U	72	20
563-58-6	1,1-Dichloropropene	72U	72	23
10061-01-5	cis-1,3-Dichloropropene	72U	72	13
10061-02-6	trans-1,3-Dichloropropene	72U	72	10
100-41-4	Ethylbenzene	72U	72	21
87-68-3	Hexachlorobutadiene	72U	72	29
591-78-6	2-Hexanone	3600U	3600	38
98-82-8	Isopropylbenzene	72U	72	20
99-87-6	4-Isopropyltoluene	72U	72	21
1634-04-4	Methyl tert-Butyl Ether	72U	72	9.9
*75-09-2	Methylene Chloride	**42J**	360	15
78-93-3	2-Butanone (MEK)	3600U	3600	36
108-10-1	4-Methyl-2-pentanone (MIBK)	3600U	3600	34
91-20-3	Naphthalene	360U	360	30
103-65-1	n-Propylbenzene	72U	72	22
100-42-5	Styrene	72U	72	13
630-20-6	1,1,1,2-Tetrachloroethane	72U	72	13
79-34-5	1,1,2,2-Tetrachloroethane	72U	72	20
127-18-4	Tetrachloroethene	72U	72	28
108-88-3	Toluene	72U	72	21
87-61-6	1,2,3-Trichlorobenzene	72U	72	15
120-82-1	1,2,4-Trichlorobenzene	72U	72	25
71-55-6	1,1,1-Trichloroethane	72U	72	22
79-00-5	1,1,2-Trichloroethane	72U	72	36
79-01-6	Trichloroethene	72U	72	25

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-2B**	Sampled:	11/19/09 13:45
Lab Sample ID:	**0911425-15**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/26/09 By: JDM
QC Batch:	0914477	Analytical Batch:	9L01014

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*75-69-4	Trichlorofluoromethane	72U	72	22
96-18-4	1,2,3-Trichloropropane	72U	72	31
95-63-6	1,2,4-Trimethylbenzene	72U	72	21
108-67-8	1,3,5-Trimethylbenzene	72U	72	18
75-01-4	Vinyl Chloride	72U	72	17
136777-61-2	Xylene, Meta + Para	140U	140	41
95-47-6	Xylene, Ortho	72U	72	20
1330-20-7	Xylene (Total)	210U	210	61

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	94	*75-123*
1,2-Dichloroethane-d4	95	*83-116*
Toluene-d8	100	*85-113*
4-Bromofluorobenzene	96	*81-117*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-2B**	Sampled:	11/19/09 13:45
Lab Sample ID:	**0911425-15**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/11/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	**1.9J**	24	1.1
208-96-8	Acenaphthylene	24U	24	2.4
120-12-7	Anthracene	**3.9J**	24	3.7
*92-87-5	Benzidine	960U	960	240
*56-55-3	Benzo(a)anthracene	**38**	24	1.6
50-32-8	Benzo(a)pyrene	**20J**	24	2.0
205-99-2	Benzo(b)fluoranthene	**45**	24	4.2
207-08-9	Benzo(k)fluoranthene	**12J**	24	1.8
191-24-2	Benzo(g,h,i)perylene	**15J**	48	1.3
65-85-0	Benzoic Acid	480U	480	180
100-51-6	Benzyl Alcohol	**85**	24	6.4
101-55-3	4-Bromophenyl Phenyl Ether	24U	24	2.1
85-68-7	Butyl Benzyl Phthalate	**11J**	48	7.0
86-74-8	Carbazole	480U	480	120
59-50-7	4-Chloro-3-methylphenol	24U	24	4.7
106-47-8	4-Chloroaniline	48U	48	10
111-91-1	Bis(2-chloroethoxy)methane	24U	24	1.8
111-44-4	Bis(2-chloroethyl) Ether	24U	24	2.7
108-60-1	Bis(2-chloroisopropyl) Ether	24U	24	9.5
91-58-7	2-Chloronaphthalene	24U	24	3.1
95-57-8	2-Chlorophenol	24U	24	5.4
7005-72-3	4-Chlorophenyl Phenyl Ether	24U	24	4.8
218-01-9	Chrysene	**19J**	24	5.0
53-70-3	Dibenz(a,h)anthracene	48U	48	11
132-64-9	Dibenzofuran	24U	24	13
*84-74-2	Di-n-butyl Phthalate	**360**	240	36
106-46-7	1,4-Dichlorobenzene	24U	24	1.2
95-50-1	1,2-Dichlorobenzene	24U	24	1.7
541-73-1	1,3-Dichlorobenzene	24U	24	1.5

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-2B**	Sampled:	11/19/09 13:45
Lab Sample ID:	**0911425-15**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/11/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*91-94-1	3,3´-Dichlorobenzidine	240U	240	40
120-83-2	2,4-Dichlorophenol	24U	24	4.8
84-66-2	Diethyl Phthalate	24U	24	5.0
105-67-9	2,4-Dimethylphenol	480U	480	2.1
131-11-3	Dimethyl Phthalate	24U	24	1.2
534-52-1	4,6-Dinitro-2-methylphenol	96U	96	29
*51-28-5	2,4-Dinitrophenol	480U	480	150
606-20-2	2,6-Dinitrotoluene	24U	24	3.3
121-14-2	2,4-Dinitrotoluene	48U	48	27
117-84-0	Di-n-octyl Phthalate	24U	24	7.6
117-81-7	Bis(2-ethylhexyl) Phthalate	**11J**	48	6.7
*206-44-0	Fluoranthene	**68**	24	1.1
86-73-7	Fluorene	24U	24	9.8
118-74-1	Hexachlorobenzene	24U	24	6.1
87-68-3	Hexachlorobutadiene	24U	24	4.9
77-47-4	Hexachlorocyclopentadiene	24U	24	2.9
67-72-1	Hexachloroethane	24U	24	3.5
193-39-5	Indeno(1,2,3-cd)pyrene	**11J**	48	5.3
78-59-1	Isophorone	24U	24	8.9
91-57-6	2-Methylnaphthalene	24U	24	0.65
106-44-5	4-Methylphenol	24U	24	6.3
108-39-4	3+4-Methylphenol	24U	24	6.3
95-48-7	2-Methylphenol	24U	24	6.8
91-20-3	Naphthalene	24U	24	3.0
100-01-6	4-Nitroaniline	96U	96	2.3
88-74-4	2-Nitroaniline	24U	24	10
*99-09-2	3-Nitroaniline	48U	48	10
98-95-3	Nitrobenzene	24U	24	7.4
88-75-5	2-Nitrophenol	24U	24	9.5
100-02-7	4-Nitrophenol	480U	480	190
86-30-6	N-Nitroso-diphenylamine	24U	24	14

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-2B**	Sampled:	11/19/09 13:45
Lab Sample ID:	**0911425-15**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/11/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
621-64-7	N-Nitroso-di-n-propylamine	24U	24	8.0
87-86-5	Pentachlorophenol	240U	240	63
85-01-8	Phenanthrene	**36**	24	1.5
108-95-2	Phenol	240U	240	64
*129-00-0	Pyrene	**59**	24	1.7
110-86-1	Pyridine	24U	24	7.3
120-82-1	1,2,4-Trichlorobenzene	24U	24	5.6
95-95-4	2,4,5-Trichlorophenol	24U	24	3.5
88-06-2	2,4,6-Trichlorophenol	24U	24	2.9

Surrogates:	***% Recovery***	***Control Limits***
2-Fluorophenol	82	*33-113*
Phenol-d6	86	*30-115*
Nitrobenzene-d5	78	*33-131*
2-Fluorobiphenyl	89	*46-122*
2,4,6-Tribromophenol	85	*12-124*
o-Terphenyl	95	*20-155*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-2B**	Sampled:	11/19/09 13:45
Lab Sample ID:	**0911425-15**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Percent Solids:	70		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Aluminum	**2100**		10	1.8	mg/kg dry wt.	1	USEPA-6010B	12/03/09	JMF	0914571
Arsenic	**5.3**		0.10	0.030	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Barium	**18**		0.10	0.032	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Cadmium	**0.060**		0.050	0.0053	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Chromium	**4.9**		0.10	0.045	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
***Copper**	**3.3**	**B**	0.10	0.043	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Lead	**2.4**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Mercury	0.050	U	0.050	0.0080	mg/kg dry wt.	1	USEPA-7471A	12/02/09	DSC	0914503
Nickel	**5.6**		0.10	0.025	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Selenium	**0.13**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Silver	**0.020**	**J**	0.050	0.011	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Zinc	**13**		1.0	0.44	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-2B**	Sampled:	11/19/09 13:45
Lab Sample ID:	**0911425-15**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Chromium, Hexavalent	**0.50**	**J**	2.9	0.22	mg/kg dry	1	USEPA-7196A	12/06/09	HLB	0914375
Cyanide, Total	0.14	U	0.14	0.096	mg/kg dry	1	USEPA-9014	11/25/09	LMA	0914092
Fractional Organic Carbon	**0.0199**		0.0010	0.0010	g C/g Soil	1	ASTM D 2974-87	12/13/09	HLB	0914708
Percent Solids	**70**		0.1	0.1	%	1	USEPA-3550B	11/30/09	MSM	0914439
Carbon, Total Organic	**0.94**		0.10	0.0062	%	1	MSA 29-3.5.2	12/15/09	HLB	0915078

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-3A**	Sampled:	11/19/09 14:15
Lab Sample ID:	**0911425-16**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/01/09 By: BJH
Dilution Factor:	1	Analyzed:	12/03/09 By: MSZ
QC Batch:	0914457	Analytical Batch:	9L03062

Polychlorinated Biphenyls (PCBs) by EPA Method 8082

CAS Number	Analyte	Analytical Result	RL	MDL
12674-11-2	PCB-1016	460U	460	5.9
11104-28-2	PCB-1221	460U	460	11
11141-16-5	PCB-1232	460U	460	6.3
53469-21-9	PCB-1242	460U	460	6.4
12672-29-6	PCB-1248	**37J**	460	9.1
11097-69-1	PCB-1254	460U	460	8.2
11096-82-5	PCB-1260	460U	460	7.0

Surrogates:	***% Recovery***	***Control Limits***
Decachlorobiphenyl	90	*48-136*
Tetrachloro-m-xylene	95	*61-123*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-3A**	Sampled:	11/19/09 14:15
Lab Sample ID:	**0911425-16**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/26/09 By: JDM
QC Batch:	0914477	Analytical Batch:	9L01014

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
*67-64-1	Acetone	**290J**	1000	110
107-02-8	Acrolein	350U	350	68
71-43-2	Benzene	70U	70	20
108-86-1	Bromobenzene	70U	70	16
74-97-5	Bromochloromethane	70U	70	15
75-27-4	Bromodichloromethane	70U	70	12
75-25-2	Bromoform	70U	70	35
74-83-9	Bromomethane	70U	70	43
104-51-8	n-Butylbenzene	70U	70	19
135-98-8	sec-Butylbenzene	70U	70	22
98-06-6	tert-Butylbenzene	70U	70	20
75-15-0	Carbon Disulfide	350U	350	20
56-23-5	Carbon Tetrachloride	70U	70	15
108-90-7	Chlorobenzene	70U	70	16
75-00-3	Chloroethane	70U	70	31
67-66-3	Chloroform	70U	70	16
74-87-3	Chloromethane	70U	70	21
95-49-8	2-Chlorotoluene	70U	70	19
106-43-4	4-Chlorotoluene	70U	70	20
96-12-8	1,2-Dibromo-3-chloropropane	350U	350	24
124-48-1	Dibromochloromethane	70U	70	35
106-93-4	1,2-Dibromoethane	70U	70	13
74-95-3	Dibromomethane	70U	70	15
95-50-1	1,2-Dichlorobenzene	70U	70	16
541-73-1	1,3-Dichlorobenzene	70U	70	19
106-46-7	1,4-Dichlorobenzene	70U	70	19
75-71-8	Dichlorodifluoromethane	70U	70	13
75-34-3	1,1-Dichloroethane	70U	70	17
107-06-2	1,2-Dichloroethane	70U	70	12

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-3A**	Sampled:	11/19/09 14:15
Lab Sample ID:	**0911425-16**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/26/09 By: JDM
QC Batch:	0914477	Analytical Batch:	9L01014

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
75-35-4	1,1-Dichloroethene	70U	70	20
156-59-2	cis-1,2-Dichloroethene	70U	70	15
156-60-5	trans-1,2-Dichloroethene	70U	70	23
540-59-0	1,2-Dichloroethene (Total)	140U	140	38
78-87-5	1,2-Dichloropropane	70U	70	15
142-28-9	1,3-Dichloropropane	70U	70	11
594-20-7	2,2-Dichloropropane	70U	70	20
563-58-6	1,1-Dichloropropene	70U	70	23
10061-01-5	cis-1,3-Dichloropropene	70U	70	13
10061-02-6	trans-1,3-Dichloropropene	70U	70	9.8
100-41-4	Ethylbenzene	70U	70	21
87-68-3	Hexachlorobutadiene	70U	70	29
591-78-6	2-Hexanone	3500U	3500	37
98-82-8	Isopropylbenzene	70U	70	19
99-87-6	4-Isopropyltoluene	70U	70	21
1634-04-4	Methyl tert-Butyl Ether	70U	70	9.7
*75-09-2	Methylene Chloride	**54J**	350	14
78-93-3	2-Butanone (MEK)	3500U	3500	35
108-10-1	4-Methyl-2-pentanone (MIBK)	3500U	3500	33
91-20-3	Naphthalene	**200J**	350	29
103-65-1	n-Propylbenzene	70U	70	22
100-42-5	Styrene	70U	70	13
630-20-6	1,1,1,2-Tetrachloroethane	70U	70	12
79-34-5	1,1,2,2-Tetrachloroethane	70U	70	20
127-18-4	Tetrachloroethene	70U	70	27
108-88-3	Toluene	70U	70	20
87-61-6	1,2,3-Trichlorobenzene	70U	70	14
120-82-1	1,2,4-Trichlorobenzene	70U	70	25
71-55-6	1,1,1-Trichloroethane	70U	70	22
79-00-5	1,1,2-Trichloroethane	70U	70	35
79-01-6	Trichloroethene	70U	70	24

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-3A**	Sampled:	11/19/09 14:15
Lab Sample ID:	**0911425-16**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/26/09 By: JDM
QC Batch:	0914477	Analytical Batch:	9L01014

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*75-69-4	Trichlorofluoromethane	70U	70	22
96-18-4	1,2,3-Trichloropropane	70U	70	30
95-63-6	1,2,4-Trimethylbenzene	70U	70	20
108-67-8	1,3,5-Trimethylbenzene	70U	70	18
75-01-4	Vinyl Chloride	70U	70	17
136777-61-2	Xylene, Meta + Para	140U	140	40
95-47-6	Xylene, Ortho	70U	70	19
1330-20-7	Xylene (Total)	210U	210	60

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	95	*75-123*
1,2-Dichloroethane-d4	98	*83-116*
Toluene-d8	102	*85-113*
4-Bromofluorobenzene	96	*81-117*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-3A**	Sampled:	11/19/09 14:15
Lab Sample ID:	**0911425-16**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	5	Analyzed:	12/11/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	**93J**	120	5.4
208-96-8	Acenaphthylene	**21J**	120	12
120-12-7	Anthracene	**310**	120	18
*92-87-5	Benzidine	4700U	4700	1200
*56-55-3	Benzo(a)anthracene	**1000**	120	7.9
50-32-8	Benzo(a)pyrene	**710**	120	9.8
205-99-2	Benzo(b)fluoranthene	**1300**	120	20
207-08-9	Benzo(k)fluoranthene	**480**	120	9.0
191-24-2	Benzo(g,h,i)perylene	**410**	230	6.5
65-85-0	Benzoic Acid	2300U	2300	900
100-51-6	Benzyl Alcohol	120U	120	31
101-55-3	4-Bromophenyl Phenyl Ether	120U	120	10
85-68-7	Butyl Benzyl Phthalate	230U	230	34
86-74-8	Carbazole	2300U	2300	580
59-50-7	4-Chloro-3-methylphenol	120U	120	23
106-47-8	4-Chloroaniline	230U	230	49
111-91-1	Bis(2-chloroethoxy)methane	120U	120	8.7
111-44-4	Bis(2-chloroethyl) Ether	120U	120	13
108-60-1	Bis(2-chloroisopropyl) Ether	120U	120	46
91-58-7	2-Chloronaphthalene	120U	120	15
95-57-8	2-Chlorophenol	120U	120	26
7005-72-3	4-Chlorophenyl Phenyl Ether	120U	120	23
218-01-9	Chrysene	**830**	120	24
53-70-3	Dibenz(a,h)anthracene	**100J**	230	54
132-64-9	Dibenzofuran	120U	120	61
*84-74-2	Di-n-butyl Phthalate	**340J**	1200	170
106-46-7	1,4-Dichlorobenzene	120U	120	6.1
95-50-1	1,2-Dichlorobenzene	120U	120	8.2
541-73-1	1,3-Dichlorobenzene	120U	120	7.3

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-3A**	Sampled:	11/19/09 14:15
Lab Sample ID:	**0911425-16**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	5	Analyzed:	12/11/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*91-94-1	3,3´-Dichlorobenzidine	1200U	1200	190
120-83-2	2,4-Dichlorophenol	120U	120	24
84-66-2	Diethyl Phthalate	120U	120	24
105-67-9	2,4-Dimethylphenol	2300U	2300	10
131-11-3	Dimethyl Phthalate	120U	120	6.1
534-52-1	4,6-Dinitro-2-methylphenol	470U	470	140
*51-28-5	2,4-Dinitrophenol	2300U	2300	730
606-20-2	2,6-Dinitrotoluene	120U	120	16
121-14-2	2,4-Dinitrotoluene	230U	230	130
117-84-0	Di-n-octyl Phthalate	120U	120	37
117-81-7	Bis(2-ethylhexyl) Phthalate	**69J**	230	32
*206-44-0	Fluoranthene	**2800**	120	5.3
86-73-7	Fluorene	**150**	120	48
118-74-1	Hexachlorobenzene	120U	120	30
87-68-3	Hexachlorobutadiene	120U	120	24
77-47-4	Hexachlorocyclopentadiene	120U	120	14
67-72-1	Hexachloroethane	120U	120	17
193-39-5	Indeno(1,2,3-cd)pyrene	**450**	230	26
78-59-1	Isophorone	120U	120	43
91-57-6	2-Methylnaphthalene	**6.9J**	120	3.2
106-44-5	4-Methylphenol	120U	120	31
108-39-4	3+4-Methylphenol	120U	120	31
95-48-7	2-Methylphenol	120U	120	33
91-20-3	Naphthalene	**16J**	120	15
100-01-6	4-Nitroaniline	470U	470	11
88-74-4	2-Nitroaniline	120U	120	50
*99-09-2	3-Nitroaniline	230U	230	49
98-95-3	Nitrobenzene	120U	120	36
88-75-5	2-Nitrophenol	120U	120	46
100-02-7	4-Nitrophenol	2300U	2300	930
86-30-6	N-Nitroso-diphenylamine	120U	120	68

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-3A**	Sampled:	11/19/09 14:15
Lab Sample ID:	**0911425-16**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	5	Analyzed:	12/11/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
621-64-7	N-Nitroso-di-n-propylamine	120U	120	39
87-86-5	Pentachlorophenol	1200U	1200	310
85-01-8	Phenanthrene	**1500**	120	7.3
108-95-2	Phenol	1200U	1200	310
*129-00-0	Pyrene	**2300**	120	8.3
110-86-1	Pyridine	120U	120	36
120-82-1	1,2,4-Trichlorobenzene	120U	120	27
95-95-4	2,4,5-Trichlorophenol	120U	120	17
88-06-2	2,4,6-Trichlorophenol	120U	120	14

Surrogates:	***% Recovery***	***Control Limits***
2-Fluorophenol	69	*33-113*
Phenol-d6	56	*30-115*
Nitrobenzene-d5	33	*33-131*
2-Fluorobiphenyl	93	*46-122*
2,4,6-Tribromophenol	90	*12-124*
o-Terphenyl	90	*20-155*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-3A**	Sampled:	11/19/09 14:15
Lab Sample ID:	**0911425-16**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Percent Solids:	72		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Aluminum	**2200**		10	1.8	mg/kg dry wt.	1	USEPA-6010B	12/03/09	JMF	0914571
Arsenic	**6.3**		0.10	0.030	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Barium	**23**		0.10	0.032	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Cadmium	**0.13**		0.050	0.0053	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Chromium	**15**		0.10	0.045	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
***Copper**	**11**	**B**	0.10	0.043	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Lead	**7.9**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Mercury	**0.014**	**J**	0.050	0.0080	mg/kg dry wt.	1	USEPA-7471A	12/02/09	DSC	0914503
Nickel	**8.5**		0.10	0.025	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Selenium	**0.058**	**J**	0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Silver	**0.031**	**J**	0.050	0.011	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Zinc	**30**		1.0	0.44	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-3A**	Sampled:	11/19/09 14:15
Lab Sample ID:	**0911425-16**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Chromium, Hexavalent	2.4	U	2.4	0.19	mg/kg dry	1	USEPA-7196A	12/06/09	HLB	0914375
Cyanide, Total	0.14	U	0.14	0.093	mg/kg dry	1	USEPA-9014	11/25/09	LMA	0914282
Fractional Organic Carbon	**0.0107**		0.0010	0.0010	g C/g Soil	1	ASTM D 2974-87	12/13/09	HLB	0914708
Percent Solids	**72**		0.1	0.1	%	1	USEPA-3550B	11/30/09	MSM	0914439
Carbon, Total Organic	**1.2**		0.10	0.0062	%	1	MSA 29-3.5.2	12/15/09	HLB	0915078

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-3B**	Sampled:	11/19/09 14:15
Lab Sample ID:	**0911425-17**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/01/09 By: BJH
Dilution Factor:	1	Analyzed:	12/03/09 By: MSZ
QC Batch:	0914457	Analytical Batch:	9L03062

Polychlorinated Biphenyls (PCBs) by EPA Method 8082

CAS Number	Analyte	Analytical Result	RL	MDL
12674-11-2	PCB-1016	430U	430	5.5
11104-28-2	PCB-1221	430U	430	10
11141-16-5	PCB-1232	430U	430	5.9
53469-21-9	PCB-1242	430U	430	6.0
12672-29-6	PCB-1248	430U	430	8.5
11097-69-1	PCB-1254	430U	430	7.8
11096-82-5	PCB-1260	430U	430	6.6

Surrogates:	***% Recovery***	***Control Limits***
Decachlorobiphenyl	93	*48-136*
Tetrachloro-m-xylene	101	*61-123*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-3B**	Sampled:	11/19/09 14:15
Lab Sample ID:	**0911425-17**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/26/09 By: JDM
QC Batch:	0914477	Analytical Batch:	9L01014

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
*67-64-1	Acetone	**300J**	990	110
107-02-8	Acrolein	330U	330	64
71-43-2	Benzene	66U	66	19
108-86-1	Bromobenzene	66U	66	15
74-97-5	Bromochloromethane	66U	66	14
75-27-4	Bromodichloromethane	66U	66	11
*75-25-2	Bromoform	66U	66	33
74-83-9	Bromomethane	66U	66	40
104-51-8	n-Butylbenzene	66U	66	18
135-98-8	sec-Butylbenzene	66U	66	20
98-06-6	tert-Butylbenzene	66U	66	19
75-15-0	Carbon Disulfide	330U	330	19
56-23-5	Carbon Tetrachloride	66U	66	14
108-90-7	Chlorobenzene	66U	66	15
75-00-3	Chloroethane	66U	66	30
67-66-3	Chloroform	66U	66	15
74-87-3	Chloromethane	66U	66	20
95-49-8	2-Chlorotoluene	66U	66	18
106-43-4	4-Chlorotoluene	66U	66	19
96-12-8	1,2-Dibromo-3-chloropropane	330U	330	23
124-48-1	Dibromochloromethane	66U	66	33
106-93-4	1,2-Dibromoethane	66U	66	12
74-95-3	Dibromomethane	66U	66	14
95-50-1	1,2-Dichlorobenzene	66U	66	15
541-73-1	1,3-Dichlorobenzene	66U	66	18
106-46-7	1,4-Dichlorobenzene	66U	66	18
75-71-8	Dichlorodifluoromethane	66U	66	12
75-34-3	1,1-Dichloroethane	66U	66	16
107-06-2	1,2-Dichloroethane	66U	66	11

Continued on next page

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-3B**	Sampled:	11/19/09 14:15
Lab Sample ID:	**0911425-17**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/26/09 By: JDM
QC Batch:	0914477	Analytical Batch:	9L01014

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
75-35-4	1,1-Dichloroethene	66U	66	19
156-59-2	cis-1,2-Dichloroethene	66U	66	14
156-60-5	trans-1,2-Dichloroethene	66U	66	22
540-59-0	1,2-Dichloroethene (Total)	130U	130	36
78-87-5	1,2-Dichloropropane	66U	66	14
142-28-9	1,3-Dichloropropane	66U	66	11
594-20-7	2,2-Dichloropropane	66U	66	19
563-58-6	1,1-Dichloropropene	66U	66	21
10061-01-5	cis-1,3-Dichloropropene	66U	66	12
10061-02-6	trans-1,3-Dichloropropene	66U	66	9.2
100-41-4	Ethylbenzene	66U	66	20
87-68-3	Hexachlorobutadiene	66U	66	27
591-78-6	2-Hexanone	3300U	3300	34
98-82-8	Isopropylbenzene	66U	66	18
99-87-6	4-Isopropyltoluene	66U	66	19
1634-04-4	Methyl tert-Butyl Ether	66U	66	9.1
*75-09-2	Methylene Chloride	**45J**	330	13
78-93-3	2-Butanone (MEK)	3300U	3300	33
108-10-1	4-Methyl-2-pentanone (MIBK)	3300U	3300	31
91-20-3	Naphthalene	330U	330	27
103-65-1	n-Propylbenzene	66U	66	21
100-42-5	Styrene	66U	66	12
630-20-6	1,1,1,2-Tetrachloroethane	66U	66	12
79-34-5	1,1,2,2-Tetrachloroethane	66U	66	18
127-18-4	Tetrachloroethene	66U	66	25
108-88-3	Toluene	66U	66	19
87-61-6	1,2,3-Trichlorobenzene	66U	66	14
120-82-1	1,2,4-Trichlorobenzene	66U	66	23
71-55-6	1,1,1-Trichloroethane	66U	66	21
79-00-5	1,1,2-Trichloroethane	66U	66	33
79-01-6	Trichloroethene	66U	66	23

Continued on next page

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-3B**	Sampled:	11/19/09 14:15
Lab Sample ID:	**0911425-17**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/26/09 By: JDM
QC Batch:	0914477	Analytical Batch:	9L01014

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*75-69-4	Trichlorofluoromethane	66U	66	20
96-18-4	1,2,3-Trichloropropane	66U	66	29
95-63-6	1,2,4-Trimethylbenzene	66U	66	19
108-67-8	1,3,5-Trimethylbenzene	66U	66	17
75-01-4	Vinyl Chloride	66U	66	16
136777-61-2	Xylene, Meta + Para	130U	130	38
95-47-6	Xylene, Ortho	66U	66	18
1330-20-7	Xylene (Total)	200U	200	56

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	95	*75-123*
1,2-Dichloroethane-d4	98	*83-116*
Toluene-d8	103	*85-113*
4-Bromofluorobenzene	97	*81-117*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-3B**	Sampled:	11/19/09 14:15
Lab Sample ID:	**0911425-17**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/11/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	22U	22	1.0
208-96-8	Acenaphthylene	22U	22	2.2
120-12-7	Anthracene	22U	22	3.4
*92-87-5	Benzidine	880U	880	220
*56-55-3	Benzo(a)anthracene	**11J**	22	1.5
50-32-8	Benzo(a)pyrene	**7.4J**	22	1.8
205-99-2	Benzo(b)fluoranthene	**14J**	22	3.8
207-08-9	Benzo(k)fluoranthene	**4.8J**	22	1.7
191-24-2	Benzo(g,h,i)perylene	**3.5J**	44	1.2
65-85-0	Benzoic Acid	440U	440	170
100-51-6	Benzyl Alcohol	**67**	22	5.9
101-55-3	4-Bromophenyl Phenyl Ether	22U	22	2.0
85-68-7	Butyl Benzyl Phthalate	44U	44	6.4
86-74-8	Carbazole	440U	440	110
59-50-7	4-Chloro-3-methylphenol	22U	22	4.3
106-47-8	4-Chloroaniline	44U	44	9.3
111-91-1	Bis(2-chloroethoxy)methane	22U	22	1.6
111-44-4	Bis(2-chloroethyl) Ether	22U	22	2.5
108-60-1	Bis(2-chloroisopropyl) Ether	22U	22	8.7
91-58-7	2-Chloronaphthalene	22U	22	2.9
95-57-8	2-Chlorophenol	22U	22	4.9
7005-72-3	4-Chlorophenyl Phenyl Ether	22U	22	4.4
218-01-9	Chrysene	**8.3J**	22	4.6
53-70-3	Dibenz(a,h)anthracene	44U	44	10
132-64-9	Dibenzofuran	22U	22	12
*84-74-2	Di-n-butyl Phthalate	220U	220	33
106-46-7	1,4-Dichlorobenzene	22U	22	1.1
95-50-1	1,2-Dichlorobenzene	22U	22	1.6
541-73-1	1,3-Dichlorobenzene	22U	22	1.4

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-3B**	Sampled:	11/19/09 14:15
Lab Sample ID:	**0911425-17**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/11/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*91-94-1	3,3´-Dichlorobenzidine	220U	220	37
120-83-2	2,4-Dichlorophenol	22U	22	4.4
84-66-2	Diethyl Phthalate	22U	22	4.6
105-67-9	2,4-Dimethylphenol	440U	440	2.0
131-11-3	Dimethyl Phthalate	22U	22	1.1
534-52-1	4,6-Dinitro-2-methylphenol	88U	88	27
*51-28-5	2,4-Dinitrophenol	440U	440	140
606-20-2	2,6-Dinitrotoluene	22U	22	3.0
121-14-2	2,4-Dinitrotoluene	44U	44	25
117-84-0	Di-n-octyl Phthalate	22U	22	7.0
117-81-7	Bis(2-ethylhexyl) Phthalate	44U	44	6.1
*206-44-0	Fluoranthene	**29**	22	1.0
86-73-7	Fluorene	22U	22	9.0
118-74-1	Hexachlorobenzene	22U	22	5.6
87-68-3	Hexachlorobutadiene	22U	22	4.5
77-47-4	Hexachlorocyclopentadiene	22U	22	2.6
67-72-1	Hexachloroethane	22U	22	3.2
193-39-5	Indeno(1,2,3-cd)pyrene	44U	44	4.8
78-59-1	Isophorone	22U	22	8.2
91-57-6	2-Methylnaphthalene	22U	22	0.60
106-44-5	4-Methylphenol	22U	22	5.8
108-39-4	3+4-Methylphenol	22U	22	5.8
95-48-7	2-Methylphenol	22U	22	6.3
91-20-3	Naphthalene	22U	22	2.7
100-01-6	4-Nitroaniline	88U	88	2.1
88-74-4	2-Nitroaniline	22U	22	9.3
*99-09-2	3-Nitroaniline	44U	44	9.3
98-95-3	Nitrobenzene	22U	22	6.8
88-75-5	2-Nitrophenol	22U	22	8.7
100-02-7	4-Nitrophenol	440U	440	170
86-30-6	N-Nitroso-diphenylamine	22U	22	13

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-3B**	Sampled:	11/19/09 14:15
Lab Sample ID:	**0911425-17**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/11/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
621-64-7	N-Nitroso-di-n-propylamine	22U	22	7.4
87-86-5	Pentachlorophenol	220U	220	58
85-01-8	Phenanthrene	**12J**	22	1.4
108-95-2	Phenol	220U	220	59
*129-00-0	Pyrene	**20J**	22	1.6
110-86-1	Pyridine	22U	22	6.7
120-82-1	1,2,4-Trichlorobenzene	22U	22	5.1
95-95-4	2,4,5-Trichlorophenol	22U	22	3.2
88-06-2	2,4,6-Trichlorophenol	22U	22	2.7

Surrogates:	***% Recovery***	***Control Limits***
2-Fluorophenol	88	*33-113*
Phenol-d6	87	*30-115*
Nitrobenzene-d5	77	*33-131*
2-Fluorobiphenyl	88	*46-122*
2,4,6-Tribromophenol	91	*12-124*
o-Terphenyl	98	*20-155*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-3B**	Sampled:	11/19/09 14:15
Lab Sample ID:	**0911425-17**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Percent Solids:	76		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Aluminum	**2000**		10	1.8	mg/kg dry wt.	1	USEPA-6010B	12/03/09	JMF	0914571
Arsenic	**7.4**		0.10	0.030	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Barium	**13**		0.10	0.032	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Cadmium	**0.044**	**J**	0.050	0.0053	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Chromium	**4.3**		0.10	0.045	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
***Copper**	**3.2**	**B**	0.10	0.043	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Lead	**1.8**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Mercury	0.047	U	0.047	0.0075	mg/kg dry wt.	1	USEPA-7471A	12/02/09	DSC	0914503
Nickel	**4.8**		0.10	0.025	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Selenium	**0.086**	**J**	0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DWJ	0914574
Silver	**0.027**	**J**	0.050	0.011	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Zinc	**10**		1.0	0.44	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**N-09-SD-3B**	Sampled:	11/19/09 14:15
Lab Sample ID:	**0911425-17**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Chromium, Hexavalent	**0.30**	**J**	2.6	0.20	mg/kg dry	1	USEPA-7196A	12/06/09	HLB	0914375
Cyanide, Total	0.13	U	0.13	0.088	mg/kg dry	1	USEPA-9014	11/25/09	LMA	0914282
Fractional Organic Carbon	**0.0065**		0.0010	0.0010	g C/g Soil	1	ASTM D 2974-87	12/13/09	HLB	0914708
Percent Solids	**76**		0.1	0.1	%	1	USEPA-3550B	11/30/09	MSM	0914439
Carbon, Total Organic	**0.94**		0.10	0.0062	%	1	MSA 29-3.5.2	12/15/09	HLB	0915078

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-1A**	Sampled:	11/19/09 15:20
Lab Sample ID:	**0911425-18**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/01/09 By: BJH
Dilution Factor:	1	Analyzed:	12/03/09 By: MSZ
QC Batch:	0914457	Analytical Batch:	9L03062

Polychlorinated Biphenyls (PCBs) by EPA Method 8082

CAS Number	Analyte	Analytical Result	RL	MDL
12674-11-2	PCB-1016	420U	420	5.4
11104-28-2	PCB-1221	420U	420	9.9
11141-16-5	PCB-1232	420U	420	5.7
53469-21-9	PCB-1242	420U	420	5.9
12672-29-6	PCB-1248	**13J**	420	8.3
11097-69-1	PCB-1254	420U	420	7.5
11096-82-5	PCB-1260	420U	420	6.4

Surrogates:	***% Recovery***	***Control Limits***
Decachlorobiphenyl	94	*48-136*
Tetrachloro-m-xylene	100	*61-123*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-1A**	Sampled:	11/19/09 15:20
Lab Sample ID:	**0911425-18**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/26/09 By: JDM
QC Batch:	0914477	Analytical Batch:	9L01014

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
*67-64-1	Acetone	**310J**	960	100
107-02-8	Acrolein	320U	320	62
71-43-2	Benzene	64U	64	18
108-86-1	Bromobenzene	64U	64	14
74-97-5	Bromochloromethane	64U	64	14
75-27-4	Bromodichloromethane	64U	64	11
75-25-2	Bromoform	64U	64	32
74-83-9	Bromomethane	64U	64	39
104-51-8	n-Butylbenzene	64U	64	18
135-98-8	sec-Butylbenzene	64U	64	20
98-06-6	tert-Butylbenzene	64U	64	19
75-15-0	Carbon Disulfide	320U	320	18
56-23-5	Carbon Tetrachloride	64U	64	14
108-90-7	Chlorobenzene	64U	64	14
75-00-3	Chloroethane	64U	64	29
67-66-3	Chloroform	64U	64	15
74-87-3	Chloromethane	64U	64	19
95-49-8	2-Chlorotoluene	64U	64	17
106-43-4	4-Chlorotoluene	64U	64	18
96-12-8	1,2-Dibromo-3-chloropropane	320U	320	22
124-48-1	Dibromochloromethane	64U	64	32
106-93-4	1,2-Dibromoethane	64U	64	12
74-95-3	Dibromomethane	64U	64	13
95-50-1	1,2-Dichlorobenzene	64U	64	15
541-73-1	1,3-Dichlorobenzene	64U	64	17
106-46-7	1,4-Dichlorobenzene	64U	64	17
75-71-8	Dichlorodifluoromethane	64U	64	12
75-34-3	1,1-Dichloroethane	64U	64	16
107-06-2	1,2-Dichloroethane	64U	64	11

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-1A**	Sampled:	11/19/09 15:20
Lab Sample ID:	**0911425-18**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/26/09 By: JDM
QC Batch:	0914477	Analytical Batch:	9L01014

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
75-35-4	1,1-Dichloroethene	64U	64	18
156-59-2	cis-1,2-Dichloroethene	64U	64	14
156-60-5	trans-1,2-Dichloroethene	64U	64	21
540-59-0	1,2-Dichloroethene (Total)	130U	130	35
78-87-5	1,2-Dichloropropane	64U	64	14
142-28-9	1,3-Dichloropropane	64U	64	10
594-20-7	2,2-Dichloropropane	64U	64	18
563-58-6	1,1-Dichloropropene	64U	64	21
10061-01-5	cis-1,3-Dichloropropene	64U	64	12
10061-02-6	trans-1,3-Dichloropropene	64U	64	8.9
100-41-4	Ethylbenzene	64U	64	19
87-68-3	Hexachlorobutadiene	64U	64	26
591-78-6	2-Hexanone	3200U	3200	33
98-82-8	Isopropylbenzene	64U	64	18
99-87-6	4-Isopropyltoluene	64U	64	19
1634-04-4	Methyl tert-Butyl Ether	64U	64	8.9
*75-09-2	Methylene Chloride	**53J**	320	13
78-93-3	2-Butanone (MEK)	3200U	3200	32
108-10-1	4-Methyl-2-pentanone (MIBK)	3200U	3200	30
91-20-3	Naphthalene	320U	320	26
103-65-1	n-Propylbenzene	64U	64	20
100-42-5	Styrene	64U	64	12
630-20-6	1,1,1,2-Tetrachloroethane	64U	64	11
79-34-5	1,1,2,2-Tetrachloroethane	64U	64	18
127-18-4	Tetrachloroethene	64U	64	25
108-88-3	Toluene	64U	64	19
87-61-6	1,2,3-Trichlorobenzene	64U	64	13
120-82-1	1,2,4-Trichlorobenzene	64U	64	22
71-55-6	1,1,1-Trichloroethane	64U	64	20
79-00-5	1,1,2-Trichloroethane	64U	64	32
79-01-6	Trichloroethene	64U	64	22

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-1A**	Sampled:	11/19/09 15:20
Lab Sample ID:	**0911425-18**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/26/09 By: JDM
QC Batch:	0914477	Analytical Batch:	9L01014

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*75-69-4	Trichlorofluoromethane	64U	64	20
96-18-4	1,2,3-Trichloropropane	64U	64	28
95-63-6	1,2,4-Trimethylbenzene	64U	64	18
108-67-8	1,3,5-Trimethylbenzene	64U	64	16
75-01-4	Vinyl Chloride	64U	64	16
136777-61-2	Xylene, Meta + Para	130U	130	37
95-47-6	Xylene, Ortho	64U	64	18
1330-20-7	Xylene (Total)	190U	190	54

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	95	*75-123*
1,2-Dichloroethane-d4	98	*83-116*
Toluene-d8	102	*85-113*
4-Bromofluorobenzene	96	*81-117*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-1A**	Sampled:	11/19/09 15:20
Lab Sample ID:	**0911425-18**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/11/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	**2.5J**	21	0.99
208-96-8	Acenaphthylene	21U	21	2.1
120-12-7	Anthracene	**6.3J**	21	3.3
*92-87-5	Benzidine	850U	850	210
*56-55-3	Benzo(a)anthracene	**23**	21	1.4
50-32-8	Benzo(a)pyrene	**18J**	21	1.8
205-99-2	Benzo(b)fluoranthene	**37**	21	3.7
207-08-9	Benzo(k)fluoranthene	**14J**	21	1.6
191-24-2	Benzo(g,h,i)perylene	**13J**	42	1.2
65-85-0	Benzoic Acid	420U	420	160
100-51-6	Benzyl Alcohol	21U	21	5.7
101-55-3	4-Bromophenyl Phenyl Ether	21U	21	1.9
85-68-7	Butyl Benzyl Phthalate	42U	42	6.3
86-74-8	Carbazole	420U	420	110
59-50-7	4-Chloro-3-methylphenol	21U	21	4.2
106-47-8	4-Chloroaniline	42U	42	9.0
111-91-1	Bis(2-chloroethoxy)methane	21U	21	1.6
111-44-4	Bis(2-chloroethyl) Ether	21U	21	2.4
108-60-1	Bis(2-chloroisopropyl) Ether	21U	21	8.5
91-58-7	2-Chloronaphthalene	21U	21	2.8
95-57-8	2-Chlorophenol	21U	21	4.8
7005-72-3	4-Chlorophenyl Phenyl Ether	21U	21	4.3
218-01-9	Chrysene	**25**	21	4.4
53-70-3	Dibenz(a,h)anthracene	42U	42	9.8
132-64-9	Dibenzofuran	21U	21	11
*84-74-2	Di-n-butyl Phthalate	**49J**	210	32
106-46-7	1,4-Dichlorobenzene	21U	21	1.1
95-50-1	1,2-Dichlorobenzene	21U	21	1.5
541-73-1	1,3-Dichlorobenzene	21U	21	1.3

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-1A**	Sampled:	11/19/09 15:20
Lab Sample ID:	**0911425-18**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/11/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*91-94-1	3,3´-Dichlorobenzidine	210U	210	35
120-83-2	2,4-Dichlorophenol	21U	21	4.3
84-66-2	Diethyl Phthalate	**4.6J**	21	4.4
105-67-9	2,4-Dimethylphenol	420U	420	1.9
131-11-3	Dimethyl Phthalate	21U	21	1.1
534-52-1	4,6-Dinitro-2-methylphenol	85U	85	26
*51-28-5	2,4-Dinitrophenol	420U	420	130
606-20-2	2,6-Dinitrotoluene	21U	21	2.9
121-14-2	2,4-Dinitrotoluene	42U	42	24
117-84-0	Di-n-octyl Phthalate	21U	21	6.8
117-81-7	Bis(2-ethylhexyl) Phthalate	**13J**	42	5.9
*206-44-0	Fluoranthene	**68**	21	0.97
86-73-7	Fluorene	21U	21	8.8
118-74-1	Hexachlorobenzene	21U	21	5.4
87-68-3	Hexachlorobutadiene	21U	21	4.4
77-47-4	Hexachlorocyclopentadiene	21U	21	2.6
67-72-1	Hexachloroethane	21U	21	3.2
193-39-5	Indeno(1,2,3-cd)pyrene	**10J**	42	4.7
78-59-1	Isophorone	21U	21	7.9
91-57-6	2-Methylnaphthalene	21U	21	0.58
106-44-5	4-Methylphenol	21U	21	5.7
108-39-4	3+4-Methylphenol	21U	21	5.7
95-48-7	2-Methylphenol	21U	21	6.1
91-20-3	Naphthalene	21U	21	2.7
100-01-6	4-Nitroaniline	85U	85	2.0
88-74-4	2-Nitroaniline	21U	21	9.0
*99-09-2	3-Nitroaniline	42U	42	9.0
98-95-3	Nitrobenzene	21U	21	6.6
88-75-5	2-Nitrophenol	21U	21	8.4
100-02-7	4-Nitrophenol	420U	420	170
86-30-6	N-Nitroso-diphenylamine	21U	21	12

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-1A**	Sampled:	11/19/09 15:20
Lab Sample ID:	**0911425-18**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/11/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
621-64-7	N-Nitroso-di-n-propylamine	21U	21	7.2
87-86-5	Pentachlorophenol	210U	210	56
85-01-8	Phenanthrene	**22**	21	1.3
108-95-2	Phenol	210U	210	57
*129-00-0	Pyrene	**46**	21	1.5
110-86-1	Pyridine	21U	21	6.5
120-82-1	1,2,4-Trichlorobenzene	21U	21	5.0
95-95-4	2,4,5-Trichlorophenol	21U	21	3.1
88-06-2	2,4,6-Trichlorophenol	21U	21	2.6

Surrogates:	***% Recovery***	***Control Limits***
2-Fluorophenol	87	*33-113*
Phenol-d6	87	*30-115*
Nitrobenzene-d5	78	*33-131*
2-Fluorobiphenyl	93	*46-122*
2,4,6-Tribromophenol	88	*12-124*
o-Terphenyl	89	*20-155*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-1A**	Sampled:	11/19/09 15:20
Lab Sample ID:	**0911425-18**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Percent Solids:	78		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Aluminum	**2600**		10	1.8	mg/kg dry wt.	1	USEPA-6010B	12/03/09	JMF	0914571
Arsenic	**7.3**		0.10	0.030	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Barium	**29**		0.10	0.032	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Cadmium	**0.097**		0.050	0.0053	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Chromium	**20**		0.10	0.045	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
***Copper**	**9.5**	**B**	0.10	0.043	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Lead	**4.0**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Mercury	**0.016**	**J**	0.050	0.0080	mg/kg dry wt.	1	USEPA-7471A	12/02/09	DSC	0914503
Nickel	**7.9**		0.10	0.025	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Selenium	**0.22**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DWJ	0914574
Silver	**0.035**	**J**	0.050	0.011	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Zinc	**28**		1.0	0.44	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-1A**	Sampled:	11/19/09 15:20
Lab Sample ID:	**0911425-18**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Chromium, Hexavalent	**0.25**	**J**	2.4	0.18	mg/kg dry	1	USEPA-7196A	12/06/09	HLB	0914375
Cyanide, Total	0.13	U	0.13	0.085	mg/kg dry	1	USEPA-9014	11/25/09	LMA	0914282
Fractional Organic Carbon	**0.0091**		0.0010	0.0010	g C/g Soil	1	ASTM D 2974-87	12/13/09	HLB	0914708
Percent Solids	**78**		0.1	0.1	%	1	USEPA-3550B	11/30/09	MSM	0914439
Carbon, Total Organic	**1.8**		0.10	0.0062	%	1	MSA 29-3.5.2	12/15/09	HLB	0915078

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-2A**	Sampled:	11/19/09 15:45
Lab Sample ID:	**0911425-19**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/01/09 By: BJH
Dilution Factor:	1	Analyzed:	12/03/09 By: MSZ
QC Batch:	0914457	Analytical Batch:	9L03062

Polychlorinated Biphenyls (PCBs) by EPA Method 8082

CAS Number	Analyte	Analytical Result	RL	MDL
12674-11-2	PCB-1016	440U	440	5.6
11104-28-2	PCB-1221	440U	440	10
11141-16-5	PCB-1232	440U	440	5.9
53469-21-9	PCB-1242	440U	440	6.1
12672-29-6	PCB-1248	**32J**	440	8.6
11097-69-1	PCB-1254	440U	440	7.8
11096-82-5	PCB-1260	440U	440	6.6

Surrogates:	***% Recovery***	***Control Limits***
Decachlorobiphenyl	87	*48-136*
Tetrachloro-m-xylene	96	*61-123*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-2A**	Sampled:	11/19/09 15:45
Lab Sample ID:	**0911425-19**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/26/09 By: JDM
QC Batch:	0914477	Analytical Batch:	9L01014

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
*67-64-1	Acetone	**370J**	920	99
107-02-8	Acrolein	310U	310	60
71-43-2	Benzene	61U	61	18
108-86-1	Bromobenzene	61U	61	14
74-97-5	Bromochloromethane	61U	61	13
75-27-4	Bromodichloromethane	61U	61	10
75-25-2	Bromoform	61U	61	31
74-83-9	Bromomethane	61U	61	38
104-51-8	n-Butylbenzene	61U	61	17
135-98-8	sec-Butylbenzene	61U	61	19
98-06-6	tert-Butylbenzene	61U	61	18
75-15-0	Carbon Disulfide	**370**	310	17
56-23-5	Carbon Tetrachloride	61U	61	13
108-90-7	Chlorobenzene	61U	61	14
75-00-3	Chloroethane	61U	61	28
67-66-3	Chloroform	61U	61	14
74-87-3	Chloromethane	61U	61	18
95-49-8	2-Chlorotoluene	61U	61	17
106-43-4	4-Chlorotoluene	61U	61	17
96-12-8	1,2-Dibromo-3-chloropropane	310U	310	21
124-48-1	Dibromochloromethane	61U	61	31
106-93-4	1,2-Dibromoethane	61U	61	11
74-95-3	Dibromomethane	61U	61	13
95-50-1	1,2-Dichlorobenzene	61U	61	14
541-73-1	1,3-Dichlorobenzene	61U	61	17
106-46-7	1,4-Dichlorobenzene	61U	61	17
75-71-8	Dichlorodifluoromethane	61U	61	12
75-34-3	1,1-Dichloroethane	61U	61	15
107-06-2	1,2-Dichloroethane	61U	61	11

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-2A**	Sampled:	11/19/09 15:45
Lab Sample ID:	**0911425-19**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/26/09 By: JDM
QC Batch:	0914477	Analytical Batch:	9L01014

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
75-35-4	1,1-Dichloroethene	61U	61	18
156-59-2	cis-1,2-Dichloroethene	61U	61	13
156-60-5	trans-1,2-Dichloroethene	61U	61	20
540-59-0	1,2-Dichloroethene (Total)	120U	120	33
78-87-5	1,2-Dichloropropane	61U	61	13
142-28-9	1,3-Dichloropropane	61U	61	9.9
594-20-7	2,2-Dichloropropane	61U	61	17
563-58-6	1,1-Dichloropropene	61U	61	20
10061-01-5	cis-1,3-Dichloropropene	61U	61	11
10061-02-6	trans-1,3-Dichloropropene	61U	61	8.6
100-41-4	Ethylbenzene	61U	61	18
87-68-3	Hexachlorobutadiene	61U	61	25
591-78-6	2-Hexanone	3100U	3100	32
98-82-8	Isopropylbenzene	61U	61	17
99-87-6	4-Isopropyltoluene	61U	61	18
1634-04-4	Methyl tert-Butyl Ether	61U	61	8.5
*75-09-2	Methylene Chloride	**81J**	310	12
78-93-3	2-Butanone (MEK)	3100U	3100	31
108-10-1	4-Methyl-2-pentanone (MIBK)	3100U	3100	29
91-20-3	Naphthalene	310U	310	25
103-65-1	n-Propylbenzene	61U	61	19
100-42-5	Styrene	61U	61	11
630-20-6	1,1,1,2-Tetrachloroethane	61U	61	11
79-34-5	1,1,2,2-Tetrachloroethane	61U	61	17
127-18-4	Tetrachloroethene	61U	61	24
108-88-3	Toluene	61U	61	18
87-61-6	1,2,3-Trichlorobenzene	61U	61	13
120-82-1	1,2,4-Trichlorobenzene	61U	61	22
71-55-6	1,1,1-Trichloroethane	61U	61	19
79-00-5	1,1,2-Trichloroethane	61U	61	31
79-01-6	Trichloroethene	61U	61	21

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-2A**	Sampled:	11/19/09 15:45
Lab Sample ID:	**0911425-19**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/26/09 By: JDM
QC Batch:	0914477	Analytical Batch:	9L01014

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*75-69-4	Trichlorofluoromethane	61U	61	19
96-18-4	1,2,3-Trichloropropane	61U	61	27
95-63-6	1,2,4-Trimethylbenzene	61U	61	18
108-67-8	1,3,5-Trimethylbenzene	61U	61	16
75-01-4	Vinyl Chloride	61U	61	15
136777-61-2	Xylene, Meta + Para	120U	120	35
95-47-6	Xylene, Ortho	61U	61	17
1330-20-7	Xylene (Total)	180U	180	52

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	95	*75-123*
1,2-Dichloroethane-d4	99	*83-116*
Toluene-d8	103	*85-113*
4-Bromofluorobenzene	97	*81-117*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-2A**	Sampled:	11/19/09 15:45
Lab Sample ID:	**0911425-19**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/11/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	**5.3J**	22	1.0
208-96-8	Acenaphthylene	22U	22	2.2
120-12-7	Anthracene	**6.2J**	22	3.4
*92-87-5	Benzidine	880U	880	220
*56-55-3	Benzo(a)anthracene	**28**	22	1.5
50-32-8	Benzo(a)pyrene	**19J**	22	1.9
205-99-2	Benzo(b)fluoranthene	**31**	22	3.9
207-08-9	Benzo(k)fluoranthene	**16J**	22	1.7
191-24-2	Benzo(g,h,i)perylene	**12J**	44	1.2
65-85-0	Benzoic Acid	440U	440	170
100-51-6	Benzyl Alcohol	**66**	22	5.9
101-55-3	4-Bromophenyl Phenyl Ether	22U	22	2.0
85-68-7	Butyl Benzyl Phthalate	44U	44	6.5
86-74-8	Carbazole	440U	440	110
59-50-7	4-Chloro-3-methylphenol	22U	22	4.4
106-47-8	4-Chloroaniline	44U	44	9.3
111-91-1	Bis(2-chloroethoxy)methane	22U	22	1.7
111-44-4	Bis(2-chloroethyl) Ether	22U	22	2.5
108-60-1	Bis(2-chloroisopropyl) Ether	22U	22	8.8
91-58-7	2-Chloronaphthalene	22U	22	2.9
95-57-8	2-Chlorophenol	22U	22	5.0
7005-72-3	4-Chlorophenyl Phenyl Ether	22U	22	4.4
218-01-9	Chrysene	**30**	22	4.6
53-70-3	Dibenz(a,h)anthracene	44U	44	10
132-64-9	Dibenzofuran	22U	22	12
*84-74-2	Di-n-butyl Phthalate	**65J**	220	33
106-46-7	1,4-Dichlorobenzene	22U	22	1.1
95-50-1	1,2-Dichlorobenzene	22U	22	1.6
541-73-1	1,3-Dichlorobenzene	22U	22	1.4

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-2A**	Sampled:	11/19/09 15:45
Lab Sample ID:	**0911425-19**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/11/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*91-94-1	3,3´-Dichlorobenzidine	220U	220	37
120-83-2	2,4-Dichlorophenol	22U	22	4.5
84-66-2	Diethyl Phthalate	**6.2J**	22	4.6
105-67-9	2,4-Dimethylphenol	440U	440	2.0
131-11-3	Dimethyl Phthalate	22U	22	1.1
534-52-1	4,6-Dinitro-2-methylphenol	88U	88	27
*51-28-5	2,4-Dinitrophenol	440U	440	140
606-20-2	2,6-Dinitrotoluene	22U	22	3.0
121-14-2	2,4-Dinitrotoluene	44U	44	25
117-84-0	Di-n-octyl Phthalate	22U	22	7.0
117-81-7	Bis(2-ethylhexyl) Phthalate	**13J**	44	6.1
*206-44-0	Fluoranthene	**94**	22	1.0
86-73-7	Fluorene	22U	22	9.1
118-74-1	Hexachlorobenzene	22U	22	5.6
87-68-3	Hexachlorobutadiene	22U	22	4.5
77-47-4	Hexachlorocyclopentadiene	22U	22	2.7
67-72-1	Hexachloroethane	22U	22	3.3
193-39-5	Indeno(1,2,3-cd)pyrene	**9.8J**	44	4.9
78-59-1	Isophorone	22U	22	8.2
91-57-6	2-Methylnaphthalene	22U	22	0.60
106-44-5	4-Methylphenol	22U	22	5.9
108-39-4	3+4-Methylphenol	22U	22	5.9
95-48-7	2-Methylphenol	22U	22	6.3
91-20-3	Naphthalene	22U	22	2.7
100-01-6	4-Nitroaniline	88U	88	2.1
88-74-4	2-Nitroaniline	22U	22	9.4
*99-09-2	3-Nitroaniline	44U	44	9.4
98-95-3	Nitrobenzene	22U	22	6.8
88-75-5	2-Nitrophenol	22U	22	8.7
100-02-7	4-Nitrophenol	440U	440	180
86-30-6	N-Nitroso-diphenylamine	22U	22	13

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-2A**	Sampled:	11/19/09 15:45
Lab Sample ID:	**0911425-19**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/11/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
621-64-7	N-Nitroso-di-n-propylamine	22U	22	7.4
87-86-5	Pentachlorophenol	220U	220	58
85-01-8	Phenanthrene	**19J**	22	1.4
108-95-2	Phenol	220U	220	59
*129-00-0	Pyrene	**61**	22	1.6
110-86-1	Pyridine	22U	22	6.8
120-82-1	1,2,4-Trichlorobenzene	22U	22	5.2
95-95-4	2,4,5-Trichlorophenol	22U	22	3.3
88-06-2	2,4,6-Trichlorophenol	22U	22	2.7

Surrogates:	***% Recovery***	***Control Limits***
2-Fluorophenol	77	*33-113*
Phenol-d6	76	*30-115*
Nitrobenzene-d5	74	*33-131*
2-Fluorobiphenyl	87	*46-122*
2,4,6-Tribromophenol	91	*12-124*
o-Terphenyl	83	*20-155*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-2A**	Sampled:	11/19/09 15:45
Lab Sample ID:	**0911425-19**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Percent Solids:	76		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Aluminum	**2000**		10	1.8	mg/kg dry wt.	1	USEPA-6010B	12/03/09	JMF	0914571
Arsenic	**4.0**		0.094	0.028	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Barium	**28**		0.094	0.030	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Cadmium	**0.088**		0.047	0.0050	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Chromium	**15**		0.094	0.042	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
***Copper**	**6.0**	**B**	0.094	0.041	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Lead	**22**		0.094	0.046	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Mercury	**0.0083**	**J**	0.050	0.0080	mg/kg dry wt.	1	USEPA-7471A	12/02/09	DSC	0914503
Nickel	**7.0**		0.094	0.024	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Selenium	**0.25**		0.094	0.046	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DWJ	0914574
Silver	**0.032**	**J**	0.047	0.010	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Zinc	**19**		0.94	0.41	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-2A**	Sampled:	11/19/09 15:45
Lab Sample ID:	**0911425-19**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Chromium, Hexavalent	2.6	U	2.6	0.20	mg/kg dry	1	USEPA-7196A	12/06/09	HLB	0914376
Cyanide, Total	0.13	U	0.13	0.088	mg/kg dry	1	USEPA-9014	11/25/09	LMA	0914282
Fractional Organic Carbon	**0.0170**		0.0010	0.0010	g C/g Soil	1	ASTM D 2974-87	12/13/09	HLB	0914708
Percent Solids	**76**		0.1	0.1	%	1	USEPA-3550B	11/30/09	MSM	0914439
Carbon, Total Organic	**0.57**		0.10	0.0062	%	1	MSA 29-3.5.2	12/15/09	HLB	0915078

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-2B**	Sampled:	11/19/09 15:45
Lab Sample ID:	**0911425-20**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/01/09 By: BJH
Dilution Factor:	1	Analyzed:	12/03/09 By: MSZ
QC Batch:	0914457	Analytical Batch:	9L03062

Polychlorinated Biphenyls (PCBs) by EPA Method 8082

CAS Number	Analyte	Analytical Result	RL	MDL
12674-11-2	PCB-1016	420U	420	5.3
11104-28-2	PCB-1221	420U	420	9.8
11141-16-5	PCB-1232	420U	420	5.7
53469-21-9	PCB-1242	420U	420	5.8
12672-29-6	PCB-1248	**55J**	420	8.2
11097-69-1	PCB-1254	420U	420	7.4
11096-82-5	PCB-1260	**34J**	420	6.3

Surrogates:	***% Recovery***	***Control Limits***
Decachlorobiphenyl	92	*48-136*
Tetrachloro-m-xylene	94	*61-123*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-2B**	Sampled:	11/19/09 15:45
Lab Sample ID:	**0911425-20**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/26/09 By: JDM
QC Batch:	0914477	Analytical Batch:	9L01014

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
*67-64-1	Acetone	**320J**	870	93
107-02-8	Acrolein	290U	290	56
71-43-2	Benzene	58U	58	17
108-86-1	Bromobenzene	58U	58	13
74-97-5	Bromochloromethane	58U	58	13
75-27-4	Bromodichloromethane	58U	58	9.7
75-25-2	Bromoform	58U	58	29
74-83-9	Bromomethane	58U	58	35
104-51-8	n-Butylbenzene	58U	58	16
135-98-8	sec-Butylbenzene	58U	58	18
98-06-6	tert-Butylbenzene	58U	58	17
75-15-0	Carbon Disulfide	290U	290	16
56-23-5	Carbon Tetrachloride	58U	58	13
108-90-7	Chlorobenzene	58U	58	13
75-00-3	Chloroethane	58U	58	26
67-66-3	Chloroform	58U	58	13
74-87-3	Chloromethane	58U	58	17
95-49-8	2-Chlorotoluene	58U	58	16
106-43-4	4-Chlorotoluene	58U	58	16
96-12-8	1,2-Dibromo-3-chloropropane	290U	290	20
124-48-1	Dibromochloromethane	58U	58	29
106-93-4	1,2-Dibromoethane	58U	58	11
74-95-3	Dibromomethane	58U	58	12
95-50-1	1,2-Dichlorobenzene	58U	58	13
541-73-1	1,3-Dichlorobenzene	58U	58	16
106-46-7	1,4-Dichlorobenzene	58U	58	16
75-71-8	Dichlorodifluoromethane	58U	58	11
75-34-3	1,1-Dichloroethane	58U	58	14
107-06-2	1,2-Dichloroethane	58U	58	9.9

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-2B**	Sampled:	11/19/09 15:45
Lab Sample ID:	**0911425-20**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/26/09 By: JDM
QC Batch:	0914477	Analytical Batch:	9L01014

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
75-35-4	1,1-Dichloroethene	58U	58	17
156-59-2	cis-1,2-Dichloroethene	58U	58	12
156-60-5	trans-1,2-Dichloroethene	58U	58	19
540-59-0	1,2-Dichloroethene (Total)	120U	120	31
78-87-5	1,2-Dichloropropane	58U	58	12
142-28-9	1,3-Dichloropropane	58U	58	9.3
594-20-7	2,2-Dichloropropane	58U	58	16
563-58-6	1,1-Dichloropropene	58U	58	19
10061-01-5	cis-1,3-Dichloropropene	58U	58	11
10061-02-6	trans-1,3-Dichloropropene	58U	58	8.1
100-41-4	Ethylbenzene	58U	58	17
87-68-3	Hexachlorobutadiene	58U	58	24
591-78-6	2-Hexanone	2900U	2900	30
98-82-8	Isopropylbenzene	58U	58	16
99-87-6	4-Isopropyltoluene	58U	58	17
1634-04-4	Methyl tert-Butyl Ether	58U	58	8.0
*75-09-2	Methylene Chloride	**42J**	290	12
78-93-3	2-Butanone (MEK)	2900U	2900	29
108-10-1	4-Methyl-2-pentanone (MIBK)	2900U	2900	27
91-20-3	Naphthalene	290U	290	24
103-65-1	n-Propylbenzene	58U	58	18
100-42-5	Styrene	58U	58	11
630-20-6	1,1,1,2-Tetrachloroethane	58U	58	10
79-34-5	1,1,2,2-Tetrachloroethane	58U	58	16
127-18-4	Tetrachloroethene	58U	58	22
108-88-3	Toluene	58U	58	17
87-61-6	1,2,3-Trichlorobenzene	58U	58	12
120-82-1	1,2,4-Trichlorobenzene	58U	58	20
71-55-6	1,1,1-Trichloroethane	58U	58	18
79-00-5	1,1,2-Trichloroethane	58U	58	29
79-01-6	Trichloroethene	58U	58	20

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-2B**	Sampled:	11/19/09 15:45
Lab Sample ID:	**0911425-20**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/26/09 By: JDM
QC Batch:	0914477	Analytical Batch:	9L01014

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*75-69-4	Trichlorofluoromethane	58U	58	18
96-18-4	1,2,3-Trichloropropane	58U	58	25
95-63-6	1,2,4-Trimethylbenzene	58U	58	17
108-67-8	1,3,5-Trimethylbenzene	58U	58	15
75-01-4	Vinyl Chloride	58U	58	14
136777-61-2	Xylene, Meta + Para	120U	120	33
95-47-6	Xylene, Ortho	58U	58	16
1330-20-7	Xylene (Total)	170U	170	49

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	94	*75-123*
1,2-Dichloroethane-d4	98	*83-116*
Toluene-d8	102	*85-113*
4-Bromofluorobenzene	94	*81-117*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-2B**	Sampled:	11/19/09 15:45
Lab Sample ID:	**0911425-20**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/11/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	**14J**	21	0.98
208-96-8	Acenaphthylene	**15J**	21	2.1
120-12-7	Anthracene	**56**	21	3.2
*92-87-5	Benzidine	840U	840	210
*56-55-3	Benzo(a)anthracene	**250**	21	1.4
50-32-8	Benzo(a)pyrene	**140**	21	1.8
205-99-2	Benzo(b)fluoranthene	**210**	21	3.7
207-08-9	Benzo(k)fluoranthene	**68**	21	1.6
191-24-2	Benzo(g,h,i)perylene	**63**	42	1.2
65-85-0	Benzoic Acid	420U	420	160
100-51-6	Benzyl Alcohol	**40**	21	5.6
101-55-3	4-Bromophenyl Phenyl Ether	21U	21	1.9
85-68-7	Butyl Benzyl Phthalate	42U	42	6.2
86-74-8	Carbazole	420U	420	110
59-50-7	4-Chloro-3-methylphenol	21U	21	4.2
106-47-8	4-Chloroaniline	42U	42	8.9
111-91-1	Bis(2-chloroethoxy)methane	21U	21	1.6
111-44-4	Bis(2-chloroethyl) Ether	21U	21	2.4
108-60-1	Bis(2-chloroisopropyl) Ether	21U	21	8.4
91-58-7	2-Chloronaphthalene	21U	21	2.7
95-57-8	2-Chlorophenol	21U	21	4.7
7005-72-3	4-Chlorophenyl Phenyl Ether	21U	21	4.2
218-01-9	Chrysene	**100**	21	4.4
53-70-3	Dibenz(a,h)anthracene	42U	42	9.7
132-64-9	Dibenzofuran	21U	21	11
*84-74-2	Di-n-butyl Phthalate	**110J**	210	31
106-46-7	1,4-Dichlorobenzene	21U	21	1.1
95-50-1	1,2-Dichlorobenzene	21U	21	1.5
541-73-1	1,3-Dichlorobenzene	21U	21	1.3

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-2B**	Sampled:	11/19/09 15:45
Lab Sample ID:	**0911425-20**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/11/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*91-94-1	3,3´-Dichlorobenzidine	210U	210	35
120-83-2	2,4-Dichlorophenol	21U	21	4.3
84-66-2	Diethyl Phthalate	**5.4J**	21	4.4
105-67-9	2,4-Dimethylphenol	420U	420	1.9
131-11-3	Dimethyl Phthalate	21U	21	1.1
534-52-1	4,6-Dinitro-2-methylphenol	84U	84	26
*51-28-5	2,4-Dinitrophenol	420U	420	130
606-20-2	2,6-Dinitrotoluene	21U	21	2.9
121-14-2	2,4-Dinitrotoluene	42U	42	24
117-84-0	Di-n-octyl Phthalate	21U	21	6.7
117-81-7	Bis(2-ethylhexyl) Phthalate	**15J**	42	5.9
*206-44-0	Fluoranthene	**440**	21	0.96
86-73-7	Fluorene	**16J**	21	8.6
118-74-1	Hexachlorobenzene	21U	21	5.4
87-68-3	Hexachlorobutadiene	21U	21	4.3
77-47-4	Hexachlorocyclopentadiene	21U	21	2.5
67-72-1	Hexachloroethane	21U	21	3.1
193-39-5	Indeno(1,2,3-cd)pyrene	**46**	42	4.6
78-59-1	Isophorone	21U	21	7.8
91-57-6	2-Methylnaphthalene	**1.7J**	21	0.57
106-44-5	4-Methylphenol	21U	21	5.6
108-39-4	3+4-Methylphenol	21U	21	5.6
95-48-7	2-Methylphenol	21U	21	6.0
91-20-3	Naphthalene	**3.3J**	21	2.6
100-01-6	4-Nitroaniline	84U	84	2.0
88-74-4	2-Nitroaniline	21U	21	8.9
*99-09-2	3-Nitroaniline	42U	42	8.9
98-95-3	Nitrobenzene	21U	21	6.5
88-75-5	2-Nitrophenol	21U	21	8.3
100-02-7	4-Nitrophenol	420U	420	170
86-30-6	N-Nitroso-diphenylamine	21U	21	12

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-2B**	Sampled:	11/19/09 15:45
Lab Sample ID:	**0911425-20**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/11/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
621-64-7	N-Nitroso-di-n-propylamine	21U	21	7.1
87-86-5	Pentachlorophenol	210U	210	55
85-01-8	Phenanthrene	**180**	21	1.3
108-95-2	Phenol	210U	210	56
*129-00-0	Pyrene	**320**	21	1.5
110-86-1	Pyridine	21U	21	6.4
120-82-1	1,2,4-Trichlorobenzene	21U	21	4.9
95-95-4	2,4,5-Trichlorophenol	21U	21	3.1
88-06-2	2,4,6-Trichlorophenol	21U	21	2.6

Surrogates:	***% Recovery***	***Control Limits***
2-Fluorophenol	79	*33-113*
Phenol-d6	76	*30-115*
Nitrobenzene-d5	77	*33-131*
2-Fluorobiphenyl	86	*46-122*
2,4,6-Tribromophenol	87	*12-124*
o-Terphenyl	85	*20-155*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-2B**	Sampled:	11/19/09 15:45
Lab Sample ID:	**0911425-20**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Percent Solids:	79		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Aluminum	**2100**		10	1.8	mg/kg dry wt.	1	USEPA-6010B	12/03/09	JMF	0914571
Arsenic	**7.4**		0.10	0.030	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Barium	**18**		0.10	0.032	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Cadmium	**0.083**		0.050	0.0053	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Chromium	**32**		0.10	0.045	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
***Copper**	**7.0**	**B**	0.10	0.043	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Lead	**330**		1.0	0.49	mg/kg dry wt.	10	USEPA-6020A	12/07/09	DSC	0914574
Mercury	**0.015**	**J**	0.047	0.0075	mg/kg dry wt.	1	USEPA-7471A	12/02/09	DSC	0914503
Nickel	**7.0**		0.10	0.025	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Selenium	**0.14**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DWJ	0914574
Silver	**0.036**	**J**	0.050	0.011	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574
Zinc	**29**		1.0	0.44	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914574

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-2B**	Sampled:	11/19/09 15:45
Lab Sample ID:	**0911425-20**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Chromium, Hexavalent	**0.27**	**J**	2.3	0.18	mg/kg dry	1	USEPA-7196A	12/06/09	HLB	0914376
Cyanide, Total	0.13	U	0.13	0.084	mg/kg dry	1	USEPA-9014	11/25/09	LMA	0914282
Fractional Organic Carbon	**0.0034**		0.0010	0.0010	g C/g Soil	1	ASTM D 2974-87	12/13/09	HLB	0914708
Percent Solids	**79**		0.1	0.1	%	1	USEPA-3550B	11/30/09	MSM	0914439
Carbon, Total Organic	**0.88**		0.10	0.0062	%	1	MSA 29-3.5.2	12/15/09	HLB	0915078

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-3A**	Sampled:	11/19/09 16:15
Lab Sample ID:	**0911425-21**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/01/09 By: BJH
Dilution Factor:	1	Analyzed:	12/04/09 By: MSZ
QC Batch:	0914457	Analytical Batch:	9L03062

Polychlorinated Biphenyls (PCBs) by EPA Method 8082

CAS Number	Analyte	Analytical Result	RL	MDL
12674-11-2	PCB-1016	480U	480	6.1
11104-28-2	PCB-1221	480U	480	11
11141-16-5	PCB-1232	480U	480	6.5
53469-21-9	PCB-1242	480U	480	6.7
12672-29-6	PCB-1248	**28J**	480	9.5
11097-69-1	PCB-1254	480U	480	8.6
11096-82-5	PCB-1260	480U	480	7.3

Surrogates:	***% Recovery***	***Control Limits***
Decachlorobiphenyl	89	*48-136*
Tetrachloro-m-xylene	93	*61-123*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-3A**	Sampled:	11/19/09 16:15
Lab Sample ID:	**0911425-21**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/26/09 By: JDM
QC Batch:	0914477	Analytical Batch:	9L01014

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
*67-64-1	Acetone	**320J**	1100	120
107-02-8	Acrolein	360U	360	71
71-43-2	Benzene	73U	73	21
108-86-1	Bromobenzene	73U	73	16
74-97-5	Bromochloromethane	73U	73	16
75-27-4	Bromodichloromethane	73U	73	12
75-25-2	Bromoform	73U	73	36
74-83-9	Bromomethane	73U	73	45
104-51-8	n-Butylbenzene	73U	73	20
135-98-8	sec-Butylbenzene	73U	73	22
98-06-6	tert-Butylbenzene	73U	73	21
75-15-0	Carbon Disulfide	360U	360	21
56-23-5	Carbon Tetrachloride	73U	73	16
108-90-7	Chlorobenzene	73U	73	16
75-00-3	Chloroethane	73U	73	33
67-66-3	Chloroform	73U	73	17
74-87-3	Chloromethane	73U	73	22
95-49-8	2-Chlorotoluene	73U	73	20
106-43-4	4-Chlorotoluene	73U	73	21
96-12-8	1,2-Dibromo-3-chloropropane	360U	360	25
124-48-1	Dibromochloromethane	73U	73	36
106-93-4	1,2-Dibromoethane	73U	73	13
74-95-3	Dibromomethane	73U	73	15
95-50-1	1,2-Dichlorobenzene	73U	73	17
541-73-1	1,3-Dichlorobenzene	73U	73	20
106-46-7	1,4-Dichlorobenzene	73U	73	20
75-71-8	Dichlorodifluoromethane	73U	73	14
75-34-3	1,1-Dichloroethane	73U	73	18
107-06-2	1,2-Dichloroethane	73U	73	13

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-3A**	Sampled:	11/19/09 16:15
Lab Sample ID:	**0911425-21**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/26/09 By: JDM
QC Batch:	0914477	Analytical Batch:	9L01014

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
75-35-4	1,1-Dichloroethene	73U	73	21
156-59-2	cis-1,2-Dichloroethene	73U	73	15
156-60-5	trans-1,2-Dichloroethene	73U	73	24
540-59-0	1,2-Dichloroethene (Total)	150U	150	40
78-87-5	1,2-Dichloropropane	73U	73	16
142-28-9	1,3-Dichloropropane	73U	73	12
594-20-7	2,2-Dichloropropane	73U	73	21
563-58-6	1,1-Dichloropropene	73U	73	24
10061-01-5	cis-1,3-Dichloropropene	73U	73	13
10061-02-6	trans-1,3-Dichloropropene	73U	73	10
100-41-4	Ethylbenzene	73U	73	22
87-68-3	Hexachlorobutadiene	73U	73	30
591-78-6	2-Hexanone	3600U	3600	38
98-82-8	Isopropylbenzene	73U	73	20
99-87-6	4-Isopropyltoluene	73U	73	21
1634-04-4	Methyl tert-Butyl Ether	73U	73	10
*75-09-2	Methylene Chloride	**110J**	360	15
78-93-3	2-Butanone (MEK)	3600U	3600	37
108-10-1	4-Methyl-2-pentanone (MIBK)	3600U	3600	35
91-20-3	Naphthalene	**200J**	360	30
103-65-1	n-Propylbenzene	73U	73	23
100-42-5	Styrene	73U	73	14
630-20-6	1,1,1,2-Tetrachloroethane	73U	73	13
79-34-5	1,1,2,2-Tetrachloroethane	73U	73	20
127-18-4	Tetrachloroethene	73U	73	28
108-88-3	Toluene	73U	73	21
87-61-6	1,2,3-Trichlorobenzene	73U	73	15
120-82-1	1,2,4-Trichlorobenzene	73U	73	26
71-55-6	1,1,1-Trichloroethane	73U	73	23
79-00-5	1,1,2-Trichloroethane	73U	73	36
79-01-6	Trichloroethene	73U	73	25

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-3A**	Sampled:	11/19/09 16:15
Lab Sample ID:	**0911425-21**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/26/09 By: JDM
QC Batch:	0914477	Analytical Batch:	9L01014

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*75-69-4	Trichlorofluoromethane	73U	73	23
96-18-4	1,2,3-Trichloropropane	73U	73	32
95-63-6	1,2,4-Trimethylbenzene	73U	73	21
108-67-8	1,3,5-Trimethylbenzene	73U	73	18
75-01-4	Vinyl Chloride	73U	73	18
136777-61-2	Xylene, Meta + Para	150U	150	42
95-47-6	Xylene, Ortho	73U	73	20
1330-20-7	Xylene (Total)	220U	220	62

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	94	*75-123*
1,2-Dichloroethane-d4	98	*83-116*
Toluene-d8	102	*85-113*
4-Bromofluorobenzene	96	*81-117*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-3A**	Sampled:	11/19/09 16:15
Lab Sample ID:	**0911425-21**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/11/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	**9.7J**	24	1.1
208-96-8	Acenaphthylene	**13J**	24	2.4
120-12-7	Anthracene	**74**	24	3.7
*92-87-5	Benzidine	970U	970	240
*56-55-3	Benzo(a)anthracene	**270**	24	1.6
50-32-8	Benzo(a)pyrene	**140**	24	2.0
205-99-2	Benzo(b)fluoranthene	**270**	24	4.2
207-08-9	Benzo(k)fluoranthene	**81**	24	1.9
191-24-2	Benzo(g,h,i)perylene	**43J**	48	1.4
65-85-0	Benzoic Acid	480U	480	190
100-51-6	Benzyl Alcohol	**95**	24	6.5
101-55-3	4-Bromophenyl Phenyl Ether	24U	24	2.2
85-68-7	Butyl Benzyl Phthalate	48U	48	7.1
86-74-8	Carbazole	480U	480	120
59-50-7	4-Chloro-3-methylphenol	24U	24	4.8
106-47-8	4-Chloroaniline	48U	48	10
111-91-1	Bis(2-chloroethoxy)methane	24U	24	1.8
111-44-4	Bis(2-chloroethyl) Ether	24U	24	2.7
108-60-1	Bis(2-chloroisopropyl) Ether	24U	24	9.7
91-58-7	2-Chloronaphthalene	24U	24	3.2
95-57-8	2-Chlorophenol	24U	24	5.5
7005-72-3	4-Chlorophenyl Phenyl Ether	24U	24	4.9
218-01-9	Chrysene	**150**	24	5.1
53-70-3	Dibenz(a,h)anthracene	48U	48	11
132-64-9	Dibenzofuran	24U	24	13
*84-74-2	Di-n-butyl Phthalate	**150J**	240	36
106-46-7	1,4-Dichlorobenzene	24U	24	1.3
95-50-1	1,2-Dichlorobenzene	24U	24	1.7
541-73-1	1,3-Dichlorobenzene	24U	24	1.5

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-3A**	Sampled:	11/19/09 16:15
Lab Sample ID:	**0911425-21**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/11/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*91-94-1	3,3´-Dichlorobenzidine	240U	240	40
120-83-2	2,4-Dichlorophenol	24U	24	4.9
84-66-2	Diethyl Phthalate	**5.4J**	24	5.0
105-67-9	2,4-Dimethylphenol	480U	480	2.2
131-11-3	Dimethyl Phthalate	24U	24	1.3
534-52-1	4,6-Dinitro-2-methylphenol	97U	97	30
*51-28-5	2,4-Dinitrophenol	480U	480	150
606-20-2	2,6-Dinitrotoluene	24U	24	3.3
121-14-2	2,4-Dinitrotoluene	48U	48	27
117-84-0	Di-n-octyl Phthalate	24U	24	7.7
117-81-7	Bis(2-ethylhexyl) Phthalate	**34J**	48	6.8
*206-44-0	Fluoranthene	**620**	24	1.1
86-73-7	Fluorene	**14J**	24	10
118-74-1	Hexachlorobenzene	24U	24	6.2
87-68-3	Hexachlorobutadiene	24U	24	5.0
77-47-4	Hexachlorocyclopentadiene	24U	24	2.9
67-72-1	Hexachloroethane	24U	24	3.6
193-39-5	Indeno(1,2,3-cd)pyrene	**63**	48	5.3
78-59-1	Isophorone	24U	24	9.0
91-57-6	2-Methylnaphthalene	24U	24	0.66
106-44-5	4-Methylphenol	24U	24	6.4
108-39-4	3+4-Methylphenol	24U	24	6.4
95-48-7	2-Methylphenol	24U	24	6.9
91-20-3	Naphthalene	24U	24	3.0
100-01-6	4-Nitroaniline	97U	97	2.3
88-74-4	2-Nitroaniline	24U	24	10
*99-09-2	3-Nitroaniline	48U	48	10
98-95-3	Nitrobenzene	24U	24	7.5
88-75-5	2-Nitrophenol	24U	24	9.6
100-02-7	4-Nitrophenol	480U	480	190
86-30-6	N-Nitroso-diphenylamine	24U	24	14

Continued on next page

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-3A**	Sampled:	11/19/09 16:15
Lab Sample ID:	**0911425-21**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/11/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
621-64-7	N-Nitroso-di-n-propylamine	24U	24	8.2
87-86-5	Pentachlorophenol	240U	240	64
85-01-8	Phenanthrene	**190**	24	1.5
108-95-2	Phenol	240U	240	65
*129-00-0	Pyrene	**420**	24	1.7
110-86-1	Pyridine	24U	24	7.5
120-82-1	1,2,4-Trichlorobenzene	24U	24	5.7
95-95-4	2,4,5-Trichlorophenol	24U	24	3.6
88-06-2	2,4,6-Trichlorophenol	24U	24	3.0

Surrogates:	***% Recovery***	***Control Limits***
2-Fluorophenol	82	*33-113*
Phenol-d6	81	*30-115*
Nitrobenzene-d5	78	*33-131*
2-Fluorobiphenyl	83	*46-122*
2,4,6-Tribromophenol	84	*12-124*
o-Terphenyl	83	*20-155*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-3A**	Sampled:	11/19/09 16:15
Lab Sample ID:	**0911425-21**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Percent Solids:	69		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
***Aluminum**	**2000**		10	1.8	mg/kg dry wt.	1	USEPA-6010B	12/03/09	JMF	0914297
Arsenic	**5.3**		0.10	0.030	mg/kg dry wt.	1	USEPA-6020A	11/30/09	DWJ	0914299
Barium	**30**		0.10	0.032	mg/kg dry wt.	1	USEPA-6020A	11/30/09	DWJ	0914299
Cadmium	**0.076**		0.050	0.0053	mg/kg dry wt.	1	USEPA-6020A	11/30/09	DWJ	0914299
Chromium	**13**		0.10	0.045	mg/kg dry wt.	1	USEPA-6020A	11/30/09	DWJ	0914299
Copper	**8.0**		0.10	0.043	mg/kg dry wt.	1	USEPA-6020A	11/30/09	DWJ	0914299
***Lead**	**11**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	11/30/09	DWJ	0914299
Mercury	0.050	U	0.050	0.0080	mg/kg dry wt.	1	USEPA-7471A	12/02/09	DSC	0914504
Nickel	**7.4**		0.10	0.025	mg/kg dry wt.	1	USEPA-6020A	11/30/09	DWJ	0914299
Selenium	**0.19**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/01/09	DWJ	0914299
Silver	**0.039**	**J**	0.050	0.011	mg/kg dry wt.	1	USEPA-6020A	11/30/09	DWJ	0914299
***Zinc**	**35**	**B**	1.0	0.44	mg/kg dry wt.	1	USEPA-6020A	11/30/09	DWJ	0914299

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LD-09-SD-3A**	Sampled:	11/19/09 16:15
Lab Sample ID:	**0911425-21**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Chromium, Hexavalent	**0.66**	**J**	2.9	0.22	mg/kg dry	1	USEPA-7196A	12/06/09	HLB	0914376
Cyanide, Total	0.15	U	0.15	0.097	mg/kg dry	1	USEPA-9014	11/25/09	LMA	0914282
Fractional Organic Carbon	**0.0142**		0.0010	0.0010	g C/g Soil	1	ASTM D 2974-87	12/13/09	HLB	0914708
Percent Solids	**69**		0.1	0.1	%	1	USEPA-3550B	11/30/09	MSM	0914439
Carbon, Total Organic	**1.1**		0.10	0.0062	%	1	MSA 29-3.5.2	12/15/09	HLB	0915071

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-2A**	Sampled:	11/19/09 17:00
Lab Sample ID:	**0911425-22**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/01/09 By: BJH
Dilution Factor:	1	Analyzed:	12/04/09 By: MSZ
QC Batch:	0914457	Analytical Batch:	9L03062

Polychlorinated Biphenyls (PCBs) by EPA Method 8082

CAS Number	Analyte	Analytical Result	RL	MDL
12674-11-2	PCB-1016	390U	390	4.9
11104-28-2	PCB-1221	390U	390	9.1
11141-16-5	PCB-1232	390U	390	5.3
53469-21-9	PCB-1242	390U	390	5.4
12672-29-6	PCB-1248	**32J**	390	7.6
11097-69-1	PCB-1254	390U	390	6.9
11096-82-5	PCB-1260	390U	390	5.8

Surrogates:	***% Recovery***	***Control Limits***
Decachlorobiphenyl	92	*48-136*
Tetrachloro-m-xylene	94	*61-123*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-2A**	Sampled:	11/19/09 17:00
Lab Sample ID:	**0911425-22**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/26/09 By: JDM
QC Batch:	0914477	Analytical Batch:	9L01014

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
*67-64-1	Acetone	**240J**	880	94
107-02-8	Acrolein	290U	290	57
71-43-2	Benzene	58U	58	17
108-86-1	Bromobenzene	58U	58	13
74-97-5	Bromochloromethane	58U	58	13
75-27-4	Bromodichloromethane	58U	58	9.8
75-25-2	Bromoform	58U	58	29
74-83-9	Bromomethane	58U	58	36
104-51-8	n-Butylbenzene	58U	58	16
135-98-8	sec-Butylbenzene	58U	58	18
98-06-6	tert-Butylbenzene	58U	58	17
75-15-0	Carbon Disulfide	290U	290	16
56-23-5	Carbon Tetrachloride	58U	58	13
108-90-7	Chlorobenzene	58U	58	13
75-00-3	Chloroethane	58U	58	26
67-66-3	Chloroform	58U	58	13
74-87-3	Chloromethane	58U	58	17
95-49-8	2-Chlorotoluene	58U	58	16
106-43-4	4-Chlorotoluene	58U	58	17
96-12-8	1,2-Dibromo-3-chloropropane	290U	290	20
124-48-1	Dibromochloromethane	58U	58	29
106-93-4	1,2-Dibromoethane	58U	58	11
74-95-3	Dibromomethane	58U	58	12
95-50-1	1,2-Dichlorobenzene	58U	58	14
541-73-1	1,3-Dichlorobenzene	58U	58	16
106-46-7	1,4-Dichlorobenzene	58U	58	16
75-71-8	Dichlorodifluoromethane	58U	58	11
75-34-3	1,1-Dichloroethane	58U	58	14
107-06-2	1,2-Dichloroethane	58U	58	10

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-2A**	Sampled:	11/19/09 17:00
Lab Sample ID:	**0911425-22**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/26/09 By: JDM
QC Batch:	0914477	Analytical Batch:	9L01014

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
75-35-4	1,1-Dichloroethene	58U	58	17
156-59-2	cis-1,2-Dichloroethene	58U	58	12
156-60-5	trans-1,2-Dichloroethene	58U	58	19
540-59-0	1,2-Dichloroethene (Total)	120U	120	32
78-87-5	1,2-Dichloropropane	58U	58	12
142-28-9	1,3-Dichloropropane	58U	58	9.4
594-20-7	2,2-Dichloropropane	58U	58	16
563-58-6	1,1-Dichloropropene	58U	58	19
10061-01-5	cis-1,3-Dichloropropene	58U	58	11
10061-02-6	trans-1,3-Dichloropropene	58U	58	8.2
100-41-4	Ethylbenzene	58U	58	18
87-68-3	Hexachlorobutadiene	58U	58	24
591-78-6	2-Hexanone	2900U	2900	31
98-82-8	Isopropylbenzene	58U	58	16
99-87-6	4-Isopropyltoluene	58U	58	17
1634-04-4	Methyl tert-Butyl Ether	58U	58	8.1
*75-09-2	Methylene Chloride	**60J**	290	12
78-93-3	2-Butanone (MEK)	2900U	2900	29
108-10-1	4-Methyl-2-pentanone (MIBK)	2900U	2900	28
91-20-3	Naphthalene	290U	290	24
103-65-1	n-Propylbenzene	58U	58	18
100-42-5	Styrene	58U	58	11
630-20-6	1,1,1,2-Tetrachloroethane	58U	58	10
79-34-5	1,1,2,2-Tetrachloroethane	58U	58	16
127-18-4	Tetrachloroethene	58U	58	23
108-88-3	Toluene	58U	58	17
87-61-6	1,2,3-Trichlorobenzene	58U	58	12
120-82-1	1,2,4-Trichlorobenzene	58U	58	21
71-55-6	1,1,1-Trichloroethane	58U	58	18
79-00-5	1,1,2-Trichloroethane	58U	58	29
79-01-6	Trichloroethene	58U	58	20

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-2A**	Sampled:	11/19/09 17:00
Lab Sample ID:	**0911425-22**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/26/09 By: JDM
QC Batch:	0914477	Analytical Batch:	9L01014

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*75-69-4	Trichlorofluoromethane	58U	58	18
96-18-4	1,2,3-Trichloropropane	58U	58	25
95-63-6	1,2,4-Trimethylbenzene	58U	58	17
108-67-8	1,3,5-Trimethylbenzene	58U	58	15
75-01-4	Vinyl Chloride	58U	58	14
136777-61-2	Xylene, Meta + Para	120U	120	34
95-47-6	Xylene, Ortho	58U	58	16
1330-20-7	Xylene (Total)	180U	180	50

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	93	*75-123*
1,2-Dichloroethane-d4	98	*83-116*
Toluene-d8	102	*85-113*
4-Bromofluorobenzene	97	*81-117*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-2A**	Sampled:	11/19/09 17:00
Lab Sample ID:	**0911425-22**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/11/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	**2.8J**	20	0.91
208-96-8	Acenaphthylene	**5.1J**	20	2.0
120-12-7	Anthracene	**26**	20	3.0
*92-87-5	Benzidine	780U	780	190
*56-55-3	Benzo(a)anthracene	**81**	20	1.3
50-32-8	Benzo(a)pyrene	**71**	20	1.6
205-99-2	Benzo(b)fluoranthene	**89**	20	3.4
207-08-9	Benzo(k)fluoranthene	**67**	20	1.5
191-24-2	Benzo(g,h,i)perylene	**25J**	39	1.1
65-85-0	Benzoic Acid	390U	390	150
100-51-6	Benzyl Alcohol	**32**	20	5.2
101-55-3	4-Bromophenyl Phenyl Ether	20U	20	1.7
85-68-7	Butyl Benzyl Phthalate	39U	39	5.7
86-74-8	Carbazole	390U	390	98
59-50-7	4-Chloro-3-methylphenol	20U	20	3.9
106-47-8	4-Chloroaniline	39U	39	8.3
111-91-1	Bis(2-chloroethoxy)methane	20U	20	1.5
111-44-4	Bis(2-chloroethyl) Ether	20U	20	2.2
108-60-1	Bis(2-chloroisopropyl) Ether	20U	20	7.8
91-58-7	2-Chloronaphthalene	20U	20	2.5
95-57-8	2-Chlorophenol	20U	20	4.4
7005-72-3	4-Chlorophenyl Phenyl Ether	20U	20	3.9
218-01-9	Chrysene	**72**	20	4.1
53-70-3	Dibenz(a,h)anthracene	39U	39	9.0
132-64-9	Dibenzofuran	20U	20	10
*84-74-2	Di-n-butyl Phthalate	**160J**	200	29
106-46-7	1,4-Dichlorobenzene	20U	20	1.0
95-50-1	1,2-Dichlorobenzene	20U	20	1.4
541-73-1	1,3-Dichlorobenzene	20U	20	1.2

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-2A**	Sampled:	11/19/09 17:00
Lab Sample ID:	**0911425-22**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/11/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*91-94-1	3,3´-Dichlorobenzidine	200U	200	32
120-83-2	2,4-Dichlorophenol	20U	20	3.9
84-66-2	Diethyl Phthalate	**4.4J**	20	4.1
105-67-9	2,4-Dimethylphenol	390U	390	1.7
131-11-3	Dimethyl Phthalate	20U	20	1.0
534-52-1	4,6-Dinitro-2-methylphenol	78U	78	24
*51-28-5	2,4-Dinitrophenol	390U	390	120
606-20-2	2,6-Dinitrotoluene	20U	20	2.7
121-14-2	2,4-Dinitrotoluene	39U	39	22
117-84-0	Di-n-octyl Phthalate	20U	20	6.2
117-81-7	Bis(2-ethylhexyl) Phthalate	**15J**	39	5.4
*206-44-0	Fluoranthene	**190**	20	0.89
86-73-7	Fluorene	20U	20	8.0
118-74-1	Hexachlorobenzene	20U	20	5.0
87-68-3	Hexachlorobutadiene	20U	20	4.0
77-47-4	Hexachlorocyclopentadiene	20U	20	2.3
67-72-1	Hexachloroethane	20U	20	2.9
193-39-5	Indeno(1,2,3-cd)pyrene	**22J**	39	4.3
78-59-1	Isophorone	20U	20	7.3
91-57-6	2-Methylnaphthalene	20U	20	0.53
106-44-5	4-Methylphenol	20U	20	5.2
108-39-4	3+4-Methylphenol	20U	20	5.2
95-48-7	2-Methylphenol	20U	20	5.6
91-20-3	Naphthalene	20U	20	2.4
100-01-6	4-Nitroaniline	78U	78	1.9
88-74-4	2-Nitroaniline	20U	20	8.3
*99-09-2	3-Nitroaniline	39U	39	8.3
98-95-3	Nitrobenzene	20U	20	6.0
88-75-5	2-Nitrophenol	20U	20	7.7
100-02-7	4-Nitrophenol	390U	390	160
86-30-6	N-Nitroso-diphenylamine	20U	20	11

Continued on next page

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-2A**	Sampled:	11/19/09 17:00
Lab Sample ID:	**0911425-22**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/11/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
621-64-7	N-Nitroso-di-n-propylamine	20U	20	6.6
87-86-5	Pentachlorophenol	200U	200	52
85-01-8	Phenanthrene	**76**	20	1.2
108-95-2	Phenol	200U	200	52
*129-00-0	Pyrene	**160**	20	1.4
110-86-1	Pyridine	20U	20	6.0
120-82-1	1,2,4-Trichlorobenzene	20U	20	4.6
95-95-4	2,4,5-Trichlorophenol	20U	20	2.9
88-06-2	2,4,6-Trichlorophenol	20U	20	2.4

Surrogates:	***% Recovery***	***Control Limits***
2-Fluorophenol	77	*33-113*
Phenol-d6	77	*30-115*
Nitrobenzene-d5	71	*33-131*
2-Fluorobiphenyl	88	*46-122*
2,4,6-Tribromophenol	89	*12-124*
o-Terphenyl	88	*20-155*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-2A**	Sampled:	11/19/09 17:00
Lab Sample ID:	**0911425-22**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Percent Solids:	86		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Aluminum	**2000**		10	1.8	mg/kg dry wt.	1	USEPA-6010B	12/03/09	JMF	0914297
Arsenic	**6.6**		0.10	0.030	mg/kg dry wt.	1	USEPA-6020A	11/30/09	DWJ	0914299
Barium	**19**		0.10	0.032	mg/kg dry wt.	1	USEPA-6020A	11/30/09	DWJ	0914299
Cadmium	**0.11**		0.050	0.0053	mg/kg dry wt.	1	USEPA-6020A	11/30/09	DWJ	0914299
Chromium	**18**		0.10	0.045	mg/kg dry wt.	1	USEPA-6020A	11/30/09	DWJ	0914299
Copper	**12**		0.10	0.043	mg/kg dry wt.	1	USEPA-6020A	11/30/09	DWJ	0914299
Lead	**4.0**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	11/30/09	DWJ	0914299
Mercury	**0.045**	**J**	0.046	0.0074	mg/kg dry wt.	1	USEPA-7471A	12/02/09	DSC	0914504
Nickel	**13**		0.10	0.025	mg/kg dry wt.	1	USEPA-6020A	11/30/09	DWJ	0914299
Selenium	**0.18**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/01/09	DWJ	0914299
Silver	**0.050**		0.050	0.011	mg/kg dry wt.	1	USEPA-6020A	11/30/09	DWJ	0914299
***Zinc**	**35**	**B**	1.0	0.44	mg/kg dry wt.	1	USEPA-6020A	11/30/09	DWJ	0914299

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-2A**	Sampled:	11/19/09 17:00
Lab Sample ID:	**0911425-22**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Chromium, Hexavalent	2.3	U	2.3	0.18	mg/kg dry	1	USEPA-7196A	12/06/09	HLB	0914376
Cyanide, Available	**1.8**		0.093	0.015	mg/kg dry	2	USEPA OIA-1677	12/04/09	VAS	0914691
Cyanide, Total	**1.4**		0.12	0.078	mg/kg dry	1	USEPA-9014	11/25/09	LMA	0914282
Fractional Organic Carbon	**0.0057**		0.0010	0.0010	g C/g Soil	1	ASTM D 2974-87	12/13/09	HLB	0914708
Percent Solids	**86**		0.1	0.1	%	1	USEPA-3550B	11/30/09	MSM	0914439
Carbon, Total Organic	**1.3**		0.10	0.0062	%	1	MSA 29-3.5.2	12/15/09	HLB	0915071

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**DUP-SD-1**	Sampled:	11/19/09 00:00
Lab Sample ID:	**0911425-23**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/01/09 By: BJH
Dilution Factor:	1	Analyzed:	12/04/09 By: MSZ
QC Batch:	0914457	Analytical Batch:	9L03062

Polychlorinated Biphenyls (PCBs) by EPA Method 8082

CAS Number	Analyte	Analytical Result	RL	MDL
12674-11-2	PCB-1016	460U	460	5.9
11104-28-2	PCB-1221	460U	460	11
11141-16-5	PCB-1232	460U	460	6.3
53469-21-9	PCB-1242	460U	460	6.4
12672-29-6	PCB-1248	460U	460	9.1
11097-69-1	PCB-1254	460U	460	8.3
11096-82-5	PCB-1260	460U	460	7.0

Surrogates:	***% Recovery***	***Control Limits***
Decachlorobiphenyl	94	*48-136*
Tetrachloro-m-xylene	100	*61-123*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**DUP-SD-1**	Sampled:	11/19/09 00:00
Lab Sample ID:	**0911425-23**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/26/09 By: JDM
QC Batch:	0914477	Analytical Batch:	9L01014

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
*67-64-1	Acetone	**320J**	1100	110
107-02-8	Acrolein	350U	350	69
71-43-2	Benzene	70U	70	20
108-86-1	Bromobenzene	70U	70	16
74-97-5	Bromochloromethane	70U	70	15
75-27-4	Bromodichloromethane	70U	70	12
75-25-2	Bromoform	70U	70	35
74-83-9	Bromomethane	70U	70	43
104-51-8	n-Butylbenzene	70U	70	19
135-98-8	sec-Butylbenzene	70U	70	22
98-06-6	tert-Butylbenzene	70U	70	20
75-15-0	Carbon Disulfide	350U	350	20
56-23-5	Carbon Tetrachloride	70U	70	15
108-90-7	Chlorobenzene	70U	70	16
75-00-3	Chloroethane	70U	70	32
67-66-3	Chloroform	70U	70	16
74-87-3	Chloromethane	70U	70	21
95-49-8	2-Chlorotoluene	70U	70	19
106-43-4	4-Chlorotoluene	70U	70	20
96-12-8	1,2-Dibromo-3-chloropropane	350U	350	24
124-48-1	Dibromochloromethane	70U	70	35
106-93-4	1,2-Dibromoethane	70U	70	13
74-95-3	Dibromomethane	70U	70	15
95-50-1	1,2-Dichlorobenzene	70U	70	16
541-73-1	1,3-Dichlorobenzene	70U	70	19
106-46-7	1,4-Dichlorobenzene	70U	70	19
75-71-8	Dichlorodifluoromethane	70U	70	13
75-34-3	1,1-Dichloroethane	70U	70	17
107-06-2	1,2-Dichloroethane	70U	70	12

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**DUP-SD-1**	Sampled:	11/19/09 00:00
Lab Sample ID:	**0911425-23**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/26/09 By: JDM
QC Batch:	0914477	Analytical Batch:	9L01014

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
75-35-4	1,1-Dichloroethene	70U	70	20
156-59-2	cis-1,2-Dichloroethene	70U	70	15
156-60-5	trans-1,2-Dichloroethene	70U	70	23
540-59-0	1,2-Dichloroethene (Total)	140U	140	38
78-87-5	1,2-Dichloropropane	70U	70	15
142-28-9	1,3-Dichloropropane	70U	70	11
594-20-7	2,2-Dichloropropane	70U	70	20
563-58-6	1,1-Dichloropropene	70U	70	23
10061-01-5	cis-1,3-Dichloropropene	70U	70	13
10061-02-6	trans-1,3-Dichloropropene	70U	70	9.8
100-41-4	Ethylbenzene	70U	70	21
87-68-3	Hexachlorobutadiene	70U	70	29
591-78-6	2-Hexanone	3500U	3500	37
98-82-8	Isopropylbenzene	70U	70	19
99-87-6	4-Isopropyltoluene	70U	70	21
1634-04-4	Methyl tert-Butyl Ether	70U	70	9.7
*75-09-2	Methylene Chloride	**45J**	350	14
78-93-3	2-Butanone (MEK)	3500U	3500	35
108-10-1	4-Methyl-2-pentanone (MIBK)	3500U	3500	33
91-20-3	Naphthalene	350U	350	29
103-65-1	n-Propylbenzene	70U	70	22
100-42-5	Styrene	70U	70	13
630-20-6	1,1,1,2-Tetrachloroethane	70U	70	13
79-34-5	1,1,2,2-Tetrachloroethane	70U	70	20
127-18-4	Tetrachloroethene	70U	70	27
108-88-3	Toluene	70U	70	20
87-61-6	1,2,3-Trichlorobenzene	70U	70	14
120-82-1	1,2,4-Trichlorobenzene	70U	70	25
71-55-6	1,1,1-Trichloroethane	70U	70	22
79-00-5	1,1,2-Trichloroethane	70U	70	35
79-01-6	Trichloroethene	70U	70	25

Continued on next page

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**DUP-SD-1**	Sampled:	11/19/09 00:00
Lab Sample ID:	**0911425-23**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	11/25/09 By: JDM
Dilution Factor:	1	Analyzed:	11/26/09 By: JDM
QC Batch:	0914477	Analytical Batch:	9L01014

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*75-69-4	Trichlorofluoromethane	70U	70	22
96-18-4	1,2,3-Trichloropropane	70U	70	30
95-63-6	1,2,4-Trimethylbenzene	70U	70	20
108-67-8	1,3,5-Trimethylbenzene	70U	70	18
75-01-4	Vinyl Chloride	70U	70	17
136777-61-2	Xylene, Meta + Para	140U	140	41
95-47-6	Xylene, Ortho	70U	70	19
1330-20-7	Xylene (Total)	210U	210	60

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	93	*75-123*
1,2-Dichloroethane-d4	97	*83-116*
Toluene-d8	102	*85-113*
4-Bromofluorobenzene	96	*81-117*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**DUP-SD-1**	Sampled:	11/19/09 00:00
Lab Sample ID:	**0911425-23**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/11/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	23U	23	1.1
208-96-8	Acenaphthylene	23U	23	2.3
120-12-7	Anthracene	23U	23	3.6
*92-87-5	Benzidine	930U	930	230
*56-55-3	Benzo(a)anthracene	**3.8J**	23	1.6
50-32-8	Benzo(a)pyrene	**5.2J**	23	2.0
205-99-2	Benzo(b)fluoranthene	**7.6J**	23	4.1
207-08-9	Benzo(k)fluoranthene	**2.4J**	23	1.8
191-24-2	Benzo(g,h,i)perylene	47U	47	1.3
65-85-0	Benzoic Acid	470U	470	180
100-51-6	Benzyl Alcohol	**57**	23	6.3
101-55-3	4-Bromophenyl Phenyl Ether	23U	23	2.1
85-68-7	Butyl Benzyl Phthalate	47U	47	6.9
86-74-8	Carbazole	470U	470	120
59-50-7	4-Chloro-3-methylphenol	23U	23	4.6
106-47-8	4-Chloroaniline	47U	47	9.9
111-91-1	Bis(2-chloroethoxy)methane	23U	23	1.8
111-44-4	Bis(2-chloroethyl) Ether	23U	23	2.6
108-60-1	Bis(2-chloroisopropyl) Ether	23U	23	9.3
91-58-7	2-Chloronaphthalene	23U	23	3.0
95-57-8	2-Chlorophenol	23U	23	5.3
7005-72-3	4-Chlorophenyl Phenyl Ether	23U	23	4.7
218-01-9	Chrysene	23U	23	4.9
53-70-3	Dibenz(a,h)anthracene	47U	47	11
132-64-9	Dibenzofuran	23U	23	12
*84-74-2	Di-n-butyl Phthalate	230U	230	35
106-46-7	1,4-Dichlorobenzene	23U	23	1.2
95-50-1	1,2-Dichlorobenzene	23U	23	1.7
541-73-1	1,3-Dichlorobenzene	23U	23	1.5

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**DUP-SD-1**	Sampled:	11/19/09 00:00
Lab Sample ID:	**0911425-23**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/11/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*91-94-1	3,3´-Dichlorobenzidine	230U	230	39
120-83-2	2,4-Dichlorophenol	23U	23	4.7
84-66-2	Diethyl Phthalate	**5.2J**	23	4.9
105-67-9	2,4-Dimethylphenol	470U	470	2.1
131-11-3	Dimethyl Phthalate	23U	23	1.2
534-52-1	4,6-Dinitro-2-methylphenol	93U	93	28
*51-28-5	2,4-Dinitrophenol	470U	470	150
606-20-2	2,6-Dinitrotoluene	23U	23	3.2
121-14-2	2,4-Dinitrotoluene	47U	47	26
117-84-0	Di-n-octyl Phthalate	23U	23	7.5
117-81-7	Bis(2-ethylhexyl) Phthalate	**29J**	47	6.5
*206-44-0	Fluoranthene	**11J**	23	1.1
86-73-7	Fluorene	23U	23	9.6
118-74-1	Hexachlorobenzene	23U	23	6.0
87-68-3	Hexachlorobutadiene	23U	23	4.8
77-47-4	Hexachlorocyclopentadiene	23U	23	2.8
67-72-1	Hexachloroethane	23U	23	3.5
193-39-5	Indeno(1,2,3-cd)pyrene	47U	47	5.1
78-59-1	Isophorone	23U	23	8.7
91-57-6	2-Methylnaphthalene	23U	23	0.63
106-44-5	4-Methylphenol	23U	23	6.2
108-39-4	3+4-Methylphenol	23U	23	6.2
95-48-7	2-Methylphenol	23U	23	6.7
91-20-3	Naphthalene	23U	23	2.9
100-01-6	4-Nitroaniline	93U	93	2.2
88-74-4	2-Nitroaniline	23U	23	9.9
*99-09-2	3-Nitroaniline	47U	47	9.9
98-95-3	Nitrobenzene	23U	23	7.2
88-75-5	2-Nitrophenol	23U	23	9.3
100-02-7	4-Nitrophenol	470U	470	190
86-30-6	N-Nitroso-diphenylamine	23U	23	14

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**DUP-SD-1**	Sampled:	11/19/09 00:00
Lab Sample ID:	**0911425-23**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Unit:	ug/kg dry	Prepared:	12/02/09 By: BJH
Dilution Factor:	1	Analyzed:	12/11/09 By: DMC
QC Batch:	0914525	Analytical Batch:	9L15017

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
621-64-7	N-Nitroso-di-n-propylamine	23U	23	7.9
87-86-5	Pentachlorophenol	230U	230	62
85-01-8	Phenanthrene	**3.3J**	23	1.5
108-95-2	Phenol	230U	230	63
*129-00-0	Pyrene	**11J**	23	1.7
110-86-1	Pyridine	23U	23	7.2
120-82-1	1,2,4-Trichlorobenzene	23U	23	5.5
95-95-4	2,4,5-Trichlorophenol	23U	23	3.4
88-06-2	2,4,6-Trichlorophenol	23U	23	2.9

Surrogates:	***% Recovery***	***Control Limits***
2-Fluorophenol	67	*33-113*
Phenol-d6	68	*30-115*
Nitrobenzene-d5	70	*33-131*
2-Fluorobiphenyl	80	*46-122*
2,4,6-Tribromophenol	89	*12-124*
o-Terphenyl	76	*20-155*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**DUP-SD-1**	Sampled:	11/19/09 00:00
Lab Sample ID:	**0911425-23**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15
Percent Solids:	71		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Aluminum	**1600**		10	1.8	mg/kg dry wt.	1	USEPA-6010B	12/03/09	JMF	0914297
Arsenic	**6.8**		0.092	0.027	mg/kg dry wt.	1	USEPA-6020A	11/30/09	DWJ	0914299
Barium	**18**		0.092	0.029	mg/kg dry wt.	1	USEPA-6020A	11/30/09	DWJ	0914299
Cadmium	**0.059**		0.046	0.0049	mg/kg dry wt.	1	USEPA-6020A	11/30/09	DWJ	0914299
Chromium	**7.6**		0.092	0.041	mg/kg dry wt.	1	USEPA-6020A	11/30/09	DWJ	0914299
Copper	**7.1**		0.092	0.040	mg/kg dry wt.	1	USEPA-6020A	11/30/09	DWJ	0914299
Lead	**4.2**		0.092	0.045	mg/kg dry wt.	1	USEPA-6020A	11/30/09	DWJ	0914299
Mercury	0.050	U	0.050	0.0080	mg/kg dry wt.	1	USEPA-7471A	12/02/09	DSC	0914504
Nickel	**9.0**		0.092	0.023	mg/kg dry wt.	1	USEPA-6020A	11/30/09	DWJ	0914299
Selenium	**0.22**		0.092	0.045	mg/kg dry wt.	1	USEPA-6020A	12/01/09	DWJ	0914299
Silver	**0.046**		0.046	0.0099	mg/kg dry wt.	1	USEPA-6020A	11/30/09	DWJ	0914299
***Zinc**	**15**	**B**	0.92	0.40	mg/kg dry wt.	1	USEPA-6020A	11/30/09	DWJ	0914299

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911425**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**DUP-SD-1**	Sampled:	11/19/09 00:00
Lab Sample ID:	**0911425-23**	Sampled By:	Mr. David Amir
Matrix:	Sediment	Received:	11/20/09 18:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Chromium, Hexavalent	**0.38**	**J**	2.6	0.20	mg/kg dry	1	USEPA-7196A	12/06/09	HLB	0914376
Cyanide, Total	0.14	U	0.14	0.093	mg/kg dry	1	USEPA-9014	11/25/09	LMA	0914282
Fractional Organic Carbon	**0.0101**		0.0010	0.0010	g C/g Soil	1	ASTM D 2974-87	12/13/09	HLB	0914709
Percent Solids	**71**		0.1	0.1	%	1	USEPA-3550B	11/30/09	MSM	0914439
Carbon, Total Organic	**0.86**		0.10	0.0062	%	1	MSA 29-3.5.2	12/15/09	HLB	0915071

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LU-09-SD-3A**	Sampled:	11/23/09 11:10
Lab Sample ID:	**0911479-01**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/03/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: MSZ
QC Batch:	0914059	Analytical Batch:	9L07053

Polychlorinated Biphenyls (PCBs) by EPA Method 8082

CAS Number	Analyte	Analytical Result	RL	MDL
12674-11-2	PCB-1016	430U	430	5.5
11104-28-2	PCB-1221	430U	430	10
11141-16-5	PCB-1232	430U	430	5.9
53469-21-9	PCB-1242	430U	430	6.0
12672-29-6	PCB-1248	**20J**	430	8.5
11097-69-1	PCB-1254	430U	430	7.7
11096-82-5	PCB-1260	430U	430	6.5

Surrogates:	***% Recovery***	***Control Limits***
Decachlorobiphenyl	78	*48-136*
Tetrachloro-m-xylene	94	*61-123*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LU-09-SD-3A**	Sampled:	11/23/09 11:10
Lab Sample ID:	**0911479-01**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/02/09 By: DLV
Dilution Factor:	1	Analyzed:	12/02/09 By: DLV
QC Batch:	0914596	Analytical Batch:	9L03011

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
67-64-1	Acetone	**180J**	980	110
*107-02-8	Acrolein	330U	330	64
71-43-2	Benzene	65U	65	19
108-86-1	Bromobenzene	65U	65	14
74-97-5	Bromochloromethane	65U	65	14
75-27-4	Bromodichloromethane	65U	65	11
75-25-2	Bromoform	65U	65	33
74-83-9	Bromomethane	65U	65	40
104-51-8	n-Butylbenzene	65U	65	18
135-98-8	sec-Butylbenzene	65U	65	20
98-06-6	tert-Butylbenzene	65U	65	19
*75-15-0	Carbon Disulfide	330U	330	18
56-23-5	Carbon Tetrachloride	65U	65	14
108-90-7	Chlorobenzene	65U	65	15
75-00-3	Chloroethane	65U	65	29
67-66-3	Chloroform	65U	65	15
74-87-3	Chloromethane	65U	65	19
95-49-8	2-Chlorotoluene	65U	65	18
106-43-4	4-Chlorotoluene	65U	65	18
96-12-8	1,2-Dibromo-3-chloropropane	330U	330	23
124-48-1	Dibromochloromethane	65U	65	33
106-93-4	1,2-Dibromoethane	65U	65	12
74-95-3	Dibromomethane	65U	65	14
95-50-1	1,2-Dichlorobenzene	65U	65	15
541-73-1	1,3-Dichlorobenzene	65U	65	18
106-46-7	1,4-Dichlorobenzene	65U	65	18
75-71-8	Dichlorodifluoromethane	65U	65	12
75-34-3	1,1-Dichloroethane	65U	65	16
107-06-2	1,2-Dichloroethane	65U	65	11

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LU-09-SD-3A**	Sampled:	11/23/09 11:10
Lab Sample ID:	**0911479-01**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/02/09 By: DLV
Dilution Factor:	1	Analyzed:	12/02/09 By: DLV
QC Batch:	0914596	Analytical Batch:	9L03011

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
75-35-4	1,1-Dichloroethene	65U	65	19
156-59-2	cis-1,2-Dichloroethene	65U	65	14
156-60-5	trans-1,2-Dichloroethene	65U	65	22
540-59-0	1,2-Dichloroethene (Total)	130U	130	35
78-87-5	1,2-Dichloropropane	65U	65	14
142-28-9	1,3-Dichloropropane	65U	65	10
594-20-7	2,2-Dichloropropane	65U	65	18
563-58-6	1,1-Dichloropropene	65U	65	21
10061-01-5	cis-1,3-Dichloropropene	65U	65	12
10061-02-6	trans-1,3-Dichloropropene	65U	65	9.1
100-41-4	Ethylbenzene	65U	65	20
87-68-3	Hexachlorobutadiene	65U	65	27
591-78-6	2-Hexanone	3300U	3300	34
98-82-8	Isopropylbenzene	65U	65	18
99-87-6	4-Isopropyltoluene	65U	65	19
1634-04-4	Methyl tert-Butyl Ether	65U	65	9.0
75-09-2	Methylene Chloride	**44J**	330	13
78-93-3	2-Butanone (MEK)	**67J**	3300	33
108-10-1	4-Methyl-2-pentanone (MIBK)	3300U	3300	31
91-20-3	Naphthalene	330U	330	27
103-65-1	n-Propylbenzene	65U	65	20
100-42-5	Styrene	65U	65	12
630-20-6	1,1,1,2-Tetrachloroethane	65U	65	12
79-34-5	1,1,2,2-Tetrachloroethane	65U	65	18
127-18-4	Tetrachloroethene	65U	65	25
108-88-3	Toluene	65U	65	19
87-61-6	1,2,3-Trichlorobenzene	65U	65	13
120-82-1	1,2,4-Trichlorobenzene	65U	65	23
71-55-6	1,1,1-Trichloroethane	65U	65	20
79-00-5	1,1,2-Trichloroethane	65U	65	33
79-01-6	Trichloroethene	65U	65	23

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LU-09-SD-3A**	Sampled:	11/23/09 11:10
Lab Sample ID:	**0911479-01**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/02/09 By: DLV
Dilution Factor:	1	Analyzed:	12/02/09 By: DLV
QC Batch:	0914596	Analytical Batch:	9L03011

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
75-69-4	Trichlorofluoromethane	65U	65	20
96-18-4	1,2,3-Trichloropropane	65U	65	28
95-63-6	1,2,4-Trimethylbenzene	65U	65	19
108-67-8	1,3,5-Trimethylbenzene	65U	65	17
75-01-4	Vinyl Chloride	65U	65	16
136777-61-2	Xylene, Meta + Para	130U	130	38
95-47-6	Xylene, Ortho	65U	65	18
1330-20-7	Xylene (Total)	200U	200	56

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	95	*75-123*
1,2-Dichloroethane-d4	109	*83-116*
Toluene-d8	96	*85-113*
4-Bromofluorobenzene	94	*81-117*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LU-09-SD-3A**	Sampled:	11/23/09 11:10
Lab Sample ID:	**0911479-01**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/04/09 By: BJH
Dilution Factor:	1	Analyzed:	12/10/09 By: JLB
QC Batch:	0914186	Analytical Batch:	9L13002

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	**24**	22	1.0
208-96-8	Acenaphthylene	**5.6J**	22	2.2
120-12-7	Anthracene	**40**	22	3.3
*92-87-5	Benzidine	870U	870	220
56-55-3	Benzo(a)anthracene	**140**	22	1.5
50-32-8	Benzo(a)pyrene	**110**	22	1.8
205-99-2	Benzo(b)fluoranthene	**170**	22	3.8
207-08-9	Benzo(k)fluoranthene	**63**	22	1.7
191-24-2	Benzo(g,h,i)perylene	**64**	43	1.2
65-85-0	Benzoic Acid	430U	430	170
100-51-6	Benzyl Alcohol	22U	22	5.8
101-55-3	4-Bromophenyl Phenyl Ether	22U	22	1.9
85-68-7	Butyl Benzyl Phthalate	**7.8J**	43	6.4
86-74-8	Carbazole	430U	430	110
59-50-7	4-Chloro-3-methylphenol	22U	22	4.3
*106-47-8	4-Chloroaniline	43U	43	9.2
111-91-1	Bis(2-chloroethoxy)methane	22U	22	1.6
111-44-4	Bis(2-chloroethyl) Ether	22U	22	2.4
108-60-1	Bis(2-chloroisopropyl) Ether	22U	22	8.7
91-58-7	2-Chloronaphthalene	22U	22	2.8
95-57-8	2-Chlorophenol	22U	22	4.9
7005-72-3	4-Chlorophenyl Phenyl Ether	22U	22	4.4
218-01-9	Chrysene	**98**	22	4.5
53-70-3	Dibenz(a,h)anthracene	**13J**	43	10
132-64-9	Dibenzofuran	22U	22	11
84-74-2	Di-n-butyl Phthalate	**180J**	220	32
106-46-7	1,4-Dichlorobenzene	22U	22	1.1
95-50-1	1,2-Dichlorobenzene	22U	22	1.5
541-73-1	1,3-Dichlorobenzene	22U	22	1.4

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LU-09-SD-3A**	Sampled:	11/23/09 11:10
Lab Sample ID:	**0911479-01**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/04/09 By: BJH
Dilution Factor:	1	Analyzed:	12/10/09 By: JLB
QC Batch:	0914186	Analytical Batch:	9L13002

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*91-94-1	3,3´-Dichlorobenzidine	220U	220	36
120-83-2	2,4-Dichlorophenol	22U	22	4.4
84-66-2	Diethyl Phthalate	22U	22	4.5
105-67-9	2,4-Dimethylphenol	430U	430	1.9
131-11-3	Dimethyl Phthalate	22U	22	1.1
534-52-1	4,6-Dinitro-2-methylphenol	87U	87	26
51-28-5	2,4-Dinitrophenol	430U	430	140
606-20-2	2,6-Dinitrotoluene	22U	22	3.0
121-14-2	2,4-Dinitrotoluene	43U	43	24
117-84-0	Di-n-octyl Phthalate	22U	22	6.9
117-81-7	Bis(2-ethylhexyl) Phthalate	**16J**	43	6.1
206-44-0	Fluoranthene	**240**	22	0.99
86-73-7	Fluorene	**20J**	22	8.9
118-74-1	Hexachlorobenzene	22U	22	5.6
87-68-3	Hexachlorobutadiene	22U	22	4.5
77-47-4	Hexachlorocyclopentadiene	22U	22	2.6
67-72-1	Hexachloroethane	22U	22	3.2
193-39-5	Indeno(1,2,3-cd)pyrene	**59**	43	4.8
78-59-1	Isophorone	22U	22	8.1
91-57-6	2-Methylnaphthalene	22U	22	0.59
106-44-5	4-Methylphenol	22U	22	5.8
108-39-4	3+4-Methylphenol	22U	22	5.8
95-48-7	2-Methylphenol	22U	22	6.2
91-20-3	Naphthalene	22U	22	2.7
100-01-6	4-Nitroaniline	87U	87	2.1
88-74-4	2-Nitroaniline	22U	22	9.2
*99-09-2	3-Nitroaniline	43U	43	9.2
98-95-3	Nitrobenzene	22U	22	6.7
88-75-5	2-Nitrophenol	22U	22	8.6
100-02-7	4-Nitrophenol	430U	430	170
86-30-6	N-Nitroso-diphenylamine	22U	22	13

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LU-09-SD-3A**	Sampled:	11/23/09 11:10
Lab Sample ID:	**0911479-01**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/04/09 By: BJH
Dilution Factor:	1	Analyzed:	12/10/09 By: JLB
QC Batch:	0914186	Analytical Batch:	9L13002

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
621-64-7	N-Nitroso-di-n-propylamine	22U	22	7.3
87-86-5	Pentachlorophenol	220U	220	57
85-01-8	Phenanthrene	**170**	22	1.4
108-95-2	Phenol	220U	220	58
129-00-0	Pyrene	**270**	22	1.5
110-86-1	Pyridine	22U	22	6.7
120-82-1	1,2,4-Trichlorobenzene	22U	22	5.1
95-95-4	2,4,5-Trichlorophenol	22U	22	3.2
88-06-2	2,4,6-Trichlorophenol	22U	22	2.7

Surrogates:	***% Recovery***	***Control Limits***
2-Fluorophenol	78	*33-113*
Phenol-d6	70	*30-115*
Nitrobenzene-d5	68	*33-131*
2-Fluorobiphenyl	72	*46-122*
2,4,6-Tribromophenol	83	*12-124*
o-Terphenyl	81	*20-155*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LU-09-SD-3A**	Sampled:	11/23/09 11:10
Lab Sample ID:	**0911479-01**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Percent Solids:	77		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
***Aluminum**	**1500**		50	9.2	mg/kg dry wt.	5	USEPA-6010B	12/08/09	KLV	0914665
Arsenic	**3.0**		0.10	0.030	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Barium	**18**		0.10	0.032	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
***Cadmium**	**0.063**		0.050	0.0053	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
***Chromium**	**7.0**	**B**	0.10	0.045	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Copper	**4.7**		0.10	0.043	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Lead	**2.8**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Mercury	0.050	U	0.050	0.0080	mg/kg dry wt.	1	USEPA-7471A	12/09/09	KLV	0914766
Nickel	**4.4**		0.10	0.025	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Selenium	**0.089**	**J**	0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DWJ	0914666
Silver	**0.038**	**J**	0.050	0.011	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Zinc	**16**		1.0	0.44	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LU-09-SD-3A**	Sampled:	11/23/09 11:10
Lab Sample ID:	**0911479-01**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Chromium, Hexavalent	**0.32**	**J**	2.6	0.20	mg/kg dry	1	USEPA-7196A	12/06/09	HLB	0914376
Cyanide, Total	0.13	U	0.13	0.087	mg/kg dry	1	USEPA-9014	12/03/09	LMA	0914282
Fractional Organic Carbon	**0.0138**		0.0010	0.0010	g C/g Soil	1	ASTM D 2974-87	12/13/09	HLB	0914709
Percent Solids	**77**		0.1	0.1	%	1	USEPA-3550B	12/04/09	MSM	0914684
Carbon, Total Organic	**1.0**		0.10	0.0062	%	1	MSA 29-3.5.2	12/15/09	HLB	0915071

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LU-09-SD-1A**	Sampled:	11/23/09 10:15
Lab Sample ID:	**0911479-02**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/03/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: MSZ
QC Batch:	0914059	Analytical Batch:	9L07053

Polychlorinated Biphenyls (PCBs) by EPA Method 8082

CAS Number	Analyte	Analytical Result	RL	MDL
12674-11-2	PCB-1016	450U	450	5.7
11104-28-2	PCB-1221	450U	450	11
11141-16-5	PCB-1232	450U	450	6.1
53469-21-9	PCB-1242	450U	450	6.2
12672-29-6	PCB-1248	**13J**	450	8.8
11097-69-1	PCB-1254	450U	450	8.0
11096-82-5	PCB-1260	450U	450	6.8

Surrogates:	***% Recovery***	***Control Limits***
Decachlorobiphenyl	80	*48-136*
Tetrachloro-m-xylene	102	*61-123*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LU-09-SD-1A**	Sampled:	11/23/09 10:15
Lab Sample ID:	**0911479-02**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/02/09 By: DLV
Dilution Factor:	1	Analyzed:	12/02/09 By: DLV
QC Batch:	0914596	Analytical Batch:	9L03011

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
67-64-1	Acetone	**290J**	930	100
*107-02-8	Acrolein	310U	310	61
71-43-2	Benzene	62U	62	18
108-86-1	Bromobenzene	62U	62	14
74-97-5	Bromochloromethane	62U	62	14
75-27-4	Bromodichloromethane	62U	62	10
75-25-2	Bromoform	62U	62	31
74-83-9	Bromomethane	62U	62	38
104-51-8	n-Butylbenzene	62U	62	17
135-98-8	sec-Butylbenzene	62U	62	19
98-06-6	tert-Butylbenzene	62U	62	18
*75-15-0	Carbon Disulfide	310U	310	17
56-23-5	Carbon Tetrachloride	62U	62	14
108-90-7	Chlorobenzene	62U	62	14
75-00-3	Chloroethane	62U	62	28
67-66-3	Chloroform	62U	62	14
74-87-3	Chloromethane	62U	62	18
95-49-8	2-Chlorotoluene	62U	62	17
106-43-4	4-Chlorotoluene	62U	62	18
96-12-8	1,2-Dibromo-3-chloropropane	310U	310	22
124-48-1	Dibromochloromethane	62U	62	31
106-93-4	1,2-Dibromoethane	62U	62	11
74-95-3	Dibromomethane	62U	62	13
95-50-1	1,2-Dichlorobenzene	62U	62	14
541-73-1	1,3-Dichlorobenzene	62U	62	17
106-46-7	1,4-Dichlorobenzene	62U	62	17
75-71-8	Dichlorodifluoromethane	62U	62	12
75-34-3	1,1-Dichloroethane	62U	62	15
107-06-2	1,2-Dichloroethane	62U	62	11

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LU-09-SD-1A**	Sampled:	11/23/09 10:15
Lab Sample ID:	**0911479-02**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/02/09 By: DLV
Dilution Factor:	1	Analyzed:	12/02/09 By: DLV
QC Batch:	0914596	Analytical Batch:	9L03011

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
75-35-4	1,1-Dichloroethene	62U	62	18
156-59-2	cis-1,2-Dichloroethene	62U	62	13
156-60-5	trans-1,2-Dichloroethene	62U	62	21
540-59-0	1,2-Dichloroethene (Total)	120U	120	34
78-87-5	1,2-Dichloropropane	62U	62	13
142-28-9	1,3-Dichloropropane	62U	62	10
594-20-7	2,2-Dichloropropane	62U	62	17
563-58-6	1,1-Dichloropropene	62U	62	20
10061-01-5	cis-1,3-Dichloropropene	62U	62	11
10061-02-6	trans-1,3-Dichloropropene	62U	62	8.7
100-41-4	Ethylbenzene	62U	62	19
87-68-3	Hexachlorobutadiene	62U	62	25
591-78-6	2-Hexanone	3100U	3100	32
98-82-8	Isopropylbenzene	62U	62	17
99-87-6	4-Isopropyltoluene	62U	62	18
1634-04-4	Methyl tert-Butyl Ether	62U	62	8.6
75-09-2	Methylene Chloride	**61J**	310	13
78-93-3	2-Butanone (MEK)	**130J**	3100	31
108-10-1	4-Methyl-2-pentanone (MIBK)	3100U	3100	29
91-20-3	Naphthalene	310U	310	26
103-65-1	n-Propylbenzene	62U	62	19
100-42-5	Styrene	62U	62	12
630-20-6	1,1,1,2-Tetrachloroethane	62U	62	11
79-34-5	1,1,2,2-Tetrachloroethane	62U	62	17
127-18-4	Tetrachloroethene	62U	62	24
108-88-3	Toluene	62U	62	18
87-61-6	1,2,3-Trichlorobenzene	62U	62	13
120-82-1	1,2,4-Trichlorobenzene	62U	62	22
71-55-6	1,1,1-Trichloroethane	62U	62	19
79-00-5	1,1,2-Trichloroethane	62U	62	31
79-01-6	Trichloroethene	62U	62	22

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LU-09-SD-1A**	Sampled:	11/23/09 10:15
Lab Sample ID:	**0911479-02**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/02/09 By: DLV
Dilution Factor:	1	Analyzed:	12/02/09 By: DLV
QC Batch:	0914596	Analytical Batch:	9L03011

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
75-69-4	Trichlorofluoromethane	62U	62	19
96-18-4	1,2,3-Trichloropropane	62U	62	27
95-63-6	1,2,4-Trimethylbenzene	62U	62	18
108-67-8	1,3,5-Trimethylbenzene	62U	62	16
75-01-4	Vinyl Chloride	62U	62	15
136777-61-2	Xylene, Meta + Para	120U	120	36
95-47-6	Xylene, Ortho	62U	62	17
1330-20-7	Xylene (Total)	190U	190	53

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	91	*75-123*
1,2-Dichloroethane-d4	108	*83-116*
Toluene-d8	96	*85-113*
4-Bromofluorobenzene	93	*81-117*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LU-09-SD-1A**	Sampled:	11/23/09 10:15
Lab Sample ID:	**0911479-02**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/04/09 By: BJH
Dilution Factor:	1	Analyzed:	12/10/09 By: JLB
QC Batch:	0914186	Analytical Batch:	9L13002

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	**4.0J**	23	1.1
208-96-8	Acenaphthylene	23U	23	2.3
120-12-7	Anthracene	**6.3J**	23	3.4
*92-87-5	Benzidine	900U	900	220
56-55-3	Benzo(a)anthracene	**33**	23	1.5
50-32-8	Benzo(a)pyrene	**35**	23	1.9
205-99-2	Benzo(b)fluoranthene	**57**	23	3.9
207-08-9	Benzo(k)fluoranthene	**20J**	23	1.7
191-24-2	Benzo(g,h,i)perylene	**24J**	45	1.3
65-85-0	Benzoic Acid	450U	450	170
100-51-6	Benzyl Alcohol	23U	23	6.0
101-55-3	4-Bromophenyl Phenyl Ether	23U	23	2.0
85-68-7	Butyl Benzyl Phthalate	45U	45	6.6
86-74-8	Carbazole	450U	450	110
59-50-7	4-Chloro-3-methylphenol	23U	23	4.5
*106-47-8	4-Chloroaniline	45U	45	9.6
111-91-1	Bis(2-chloroethoxy)methane	23U	23	1.7
111-44-4	Bis(2-chloroethyl) Ether	23U	23	2.5
108-60-1	Bis(2-chloroisopropyl) Ether	23U	23	9.0
91-58-7	2-Chloronaphthalene	23U	23	2.9
95-57-8	2-Chlorophenol	23U	23	5.1
7005-72-3	4-Chlorophenyl Phenyl Ether	23U	23	4.5
218-01-9	Chrysene	**32**	23	4.7
53-70-3	Dibenz(a,h)anthracene	45U	45	10
132-64-9	Dibenzofuran	23U	23	12
84-74-2	Di-n-butyl Phthalate	**190J**	230	34
106-46-7	1,4-Dichlorobenzene	23U	23	1.2
95-50-1	1,2-Dichlorobenzene	23U	23	1.6
541-73-1	1,3-Dichlorobenzene	23U	23	1.4

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LU-09-SD-1A**	Sampled:	11/23/09 10:15
Lab Sample ID:	**0911479-02**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/04/09 By: BJH
Dilution Factor:	1	Analyzed:	12/10/09 By: JLB
QC Batch:	0914186	Analytical Batch:	9L13002

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*91-94-1	3,3´-Dichlorobenzidine	230U	230	38
120-83-2	2,4-Dichlorophenol	23U	23	4.6
84-66-2	Diethyl Phthalate	23U	23	4.7
105-67-9	2,4-Dimethylphenol	450U	450	2.0
131-11-3	Dimethyl Phthalate	23U	23	1.2
534-52-1	4,6-Dinitro-2-methylphenol	90U	90	27
51-28-5	2,4-Dinitrophenol	450U	450	140
606-20-2	2,6-Dinitrotoluene	23U	23	3.1
121-14-2	2,4-Dinitrotoluene	45U	45	25
117-84-0	Di-n-octyl Phthalate	**16J**	23	7.2
117-81-7	Bis(2-ethylhexyl) Phthalate	**27J**	45	6.3
206-44-0	Fluoranthene	**70**	23	1.0
86-73-7	Fluorene	23U	23	9.3
118-74-1	Hexachlorobenzene	23U	23	5.8
87-68-3	Hexachlorobutadiene	23U	23	4.6
77-47-4	Hexachlorocyclopentadiene	23U	23	2.7
67-72-1	Hexachloroethane	23U	23	3.3
193-39-5	Indeno(1,2,3-cd)pyrene	**21J**	45	5.0
78-59-1	Isophorone	23U	23	8.4
91-57-6	2-Methylnaphthalene	23U	23	0.61
106-44-5	4-Methylphenol	23U	23	6.0
108-39-4	3+4-Methylphenol	23U	23	6.0
95-48-7	2-Methylphenol	23U	23	6.4
91-20-3	Naphthalene	23U	23	2.8
100-01-6	4-Nitroaniline	90U	90	2.2
88-74-4	2-Nitroaniline	23U	23	9.6
*99-09-2	3-Nitroaniline	45U	45	9.6
98-95-3	Nitrobenzene	23U	23	7.0
88-75-5	2-Nitrophenol	23U	23	8.9
100-02-7	4-Nitrophenol	450U	450	180
86-30-6	N-Nitroso-diphenylamine	23U	23	13

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LU-09-SD-1A**	Sampled:	11/23/09 10:15
Lab Sample ID:	**0911479-02**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/04/09 By: BJH
Dilution Factor:	1	Analyzed:	12/10/09 By: JLB
QC Batch:	0914186	Analytical Batch:	9L13002

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
621-64-7	N-Nitroso-di-n-propylamine	23U	23	7.6
87-86-5	Pentachlorophenol	230U	230	60
85-01-8	Phenanthrene	**34**	23	1.4
108-95-2	Phenol	230U	230	60
129-00-0	Pyrene	**72**	23	1.6
110-86-1	Pyridine	23U	23	6.9
120-82-1	1,2,4-Trichlorobenzene	23U	23	5.3
95-95-4	2,4,5-Trichlorophenol	23U	23	3.3
88-06-2	2,4,6-Trichlorophenol	23U	23	2.8

Surrogates:	***% Recovery***	***Control Limits***
2-Fluorophenol	80	*33-113*
Phenol-d6	69	*30-115*
Nitrobenzene-d5	70	*33-131*
2-Fluorobiphenyl	68	*46-122*
2,4,6-Tribromophenol	76	*12-124*
o-Terphenyl	70	*20-155*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LU-09-SD-1A**	Sampled:	11/23/09 10:15
Lab Sample ID:	**0911479-02**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Percent Solids:	74		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Aluminum	**2300**		10	1.8	mg/kg dry wt.	1	USEPA-6010B	12/08/09	KLV	0914665
Arsenic	**3.2**		0.10	0.030	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Barium	**16**		0.10	0.032	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Cadmium	**0.10**		0.050	0.0053	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
***Chromium**	**12**	**B**	0.10	0.045	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Copper	**13**		0.10	0.043	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Lead	**3.6**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Mercury	**0.0084**	**J**	0.050	0.0080	mg/kg dry wt.	1	USEPA-7471A	12/09/09	KLV	0914766
Nickel	**9.3**		0.10	0.025	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Selenium	**0.18**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DWJ	0914666
Silver	**0.057**		0.050	0.011	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Zinc	**26**		1.0	0.44	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LU-09-SD-1A**	Sampled:	11/23/09 10:15
Lab Sample ID:	**0911479-02**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Chromium, Hexavalent	**0.25**	**J**	2.4	0.18	mg/kg dry	1	USEPA-7196A	12/06/09	HLB	0914376
Cyanide, Total	0.14	U	0.14	0.090	mg/kg dry	1	USEPA-9014	12/03/09	LMA	0914282
Fractional Organic Carbon	**0.0130**		0.0010	0.0010	g C/g Soil	1	ASTM D 2974-87	12/13/09	HLB	0914709
Percent Solids	**74**		0.1	0.1	%	1	USEPA-3550B	12/04/09	MSM	0914684
Carbon, Total Organic	**1.2**		0.10	0.0062	%	1	MSA 29-3.5.2	12/15/09	HLB	0915071

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LU-09-SD-2A**	Sampled:	11/23/09 10:55
Lab Sample ID:	**0911479-03**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/03/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: MSZ
QC Batch:	0914059	Analytical Batch:	9L07053

Polychlorinated Biphenyls (PCBs) by EPA Method 8082

CAS Number	Analyte	Analytical Result	RL	MDL
12674-11-2	PCB-1016	390U	390	4.9
11104-28-2	PCB-1221	390U	390	9.1
11141-16-5	PCB-1232	390U	390	5.3
53469-21-9	PCB-1242	390U	390	5.4
12672-29-6	PCB-1248	**23J**	390	7.6
11097-69-1	PCB-1254	390U	390	6.9
11096-82-5	PCB-1260	390U	390	5.9

Surrogates:	***% Recovery***	***Control Limits***
Decachlorobiphenyl	80	*48-136*
Tetrachloro-m-xylene	88	*61-123*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LU-09-SD-2A**	Sampled:	11/23/09 10:55
Lab Sample ID:	**0911479-03**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/02/09 By: DLV
Dilution Factor:	1	Analyzed:	12/02/09 By: DLV
QC Batch:	0914596	Analytical Batch:	9L03011

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
67-64-1	Acetone	**110J**	880	95
*107-02-8	Acrolein	290U	290	57
71-43-2	Benzene	59U	59	17
*108-86-1	Bromobenzene	59U	59	13
74-97-5	Bromochloromethane	59U	59	13
75-27-4	Bromodichloromethane	59U	59	9.9
75-25-2	Bromoform	59U	59	29
74-83-9	Bromomethane	59U	59	36
104-51-8	n-Butylbenzene	59U	59	16
135-98-8	sec-Butylbenzene	59U	59	18
98-06-6	tert-Butylbenzene	59U	59	17
*75-15-0	Carbon Disulfide	290U	290	17
56-23-5	Carbon Tetrachloride	59U	59	13
108-90-7	Chlorobenzene	59U	59	13
75-00-3	Chloroethane	59U	59	26
67-66-3	Chloroform	59U	59	13
74-87-3	Chloromethane	59U	59	17
*95-49-8	2-Chlorotoluene	59U	59	16
*106-43-4	4-Chlorotoluene	59U	59	17
96-12-8	1,2-Dibromo-3-chloropropane	290U	290	20
124-48-1	Dibromochloromethane	59U	59	29
106-93-4	1,2-Dibromoethane	59U	59	11
74-95-3	Dibromomethane	59U	59	12
*95-50-1	1,2-Dichlorobenzene	59U	59	14
*541-73-1	1,3-Dichlorobenzene	59U	59	16
*106-46-7	1,4-Dichlorobenzene	59U	59	16
75-71-8	Dichlorodifluoromethane	59U	59	11
75-34-3	1,1-Dichloroethane	59U	59	14
107-06-2	1,2-Dichloroethane	59U	59	10

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LU-09-SD-2A**	Sampled:	11/23/09 10:55
Lab Sample ID:	**0911479-03**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/02/09 By: DLV
Dilution Factor:	1	Analyzed:	12/02/09 By: DLV
QC Batch:	0914596	Analytical Batch:	9L03011

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
75-35-4	1,1-Dichloroethene	59U	59	17
156-59-2	cis-1,2-Dichloroethene	59U	59	12
156-60-5	trans-1,2-Dichloroethene	59U	59	19
540-59-0	1,2-Dichloroethene (Total)	120U	120	32
78-87-5	1,2-Dichloropropane	59U	59	13
142-28-9	1,3-Dichloropropane	59U	59	9.4
594-20-7	2,2-Dichloropropane	59U	59	17
563-58-6	1,1-Dichloropropene	59U	59	19
10061-01-5	cis-1,3-Dichloropropene	59U	59	11
10061-02-6	trans-1,3-Dichloropropene	59U	59	8.2
100-41-4	Ethylbenzene	59U	59	18
*87-68-3	Hexachlorobutadiene	59U	59	24
591-78-6	2-Hexanone	2900U	2900	31
98-82-8	Isopropylbenzene	59U	59	16
99-87-6	4-Isopropyltoluene	59U	59	17
1634-04-4	Methyl tert-Butyl Ether	59U	59	8.1
75-09-2	Methylene Chloride	**30J**	290	12
78-93-3	2-Butanone (MEK)	**52J**	2900	29
108-10-1	4-Methyl-2-pentanone (MIBK)	2900U	2900	28
91-20-3	Naphthalene	290U	290	24
103-65-1	n-Propylbenzene	59U	59	18
100-42-5	Styrene	59U	59	11
630-20-6	1,1,1,2-Tetrachloroethane	59U	59	10
79-34-5	1,1,2,2-Tetrachloroethane	59U	59	16
127-18-4	Tetrachloroethene	59U	59	23
108-88-3	Toluene	59U	59	17
*87-61-6	1,2,3-Trichlorobenzene	59U	59	12
120-82-1	1,2,4-Trichlorobenzene	59U	59	21
71-55-6	1,1,1-Trichloroethane	59U	59	18
79-00-5	1,1,2-Trichloroethane	59U	59	29
79-01-6	Trichloroethene	59U	59	20

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LU-09-SD-2A**	Sampled:	11/23/09 10:55
Lab Sample ID:	**0911479-03**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/02/09 By: DLV
Dilution Factor:	1	Analyzed:	12/02/09 By: DLV
QC Batch:	0914596	Analytical Batch:	9L03011

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
75-69-4	Trichlorofluoromethane	59U	59	18
*96-18-4	1,2,3-Trichloropropane	59U	59	25
*95-63-6	1,2,4-Trimethylbenzene	59U	59	17
*108-67-8	1,3,5-Trimethylbenzene	59U	59	15
75-01-4	Vinyl Chloride	59U	59	14
136777-61-2	Xylene, Meta + Para	120U	120	34
95-47-6	Xylene, Ortho	59U	59	16
1330-20-7	Xylene (Total)	180U	180	50

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	96	*75-123*
1,2-Dichloroethane-d4	109	*83-116*
Toluene-d8	97	*85-113*
4-Bromofluorobenzene	94	*81-117*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LU-09-SD-2A**	Sampled:	11/23/09 10:55
Lab Sample ID:	**0911479-03**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/04/09 By: BJH
Dilution Factor:	1	Analyzed:	12/10/09 By: JLB
QC Batch:	0914186	Analytical Batch:	9L13002

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	20U	20	0.91
208-96-8	Acenaphthylene	20U	20	2.0
120-12-7	Anthracene	20U	20	3.0
*92-87-5	Benzidine	780U	780	190
56-55-3	Benzo(a)anthracene	**14J**	20	1.3
50-32-8	Benzo(a)pyrene	**13J**	20	1.6
205-99-2	Benzo(b)fluoranthene	**18J**	20	3.4
207-08-9	Benzo(k)fluoranthene	**12J**	20	1.5
191-24-2	Benzo(g,h,i)perylene	**9.3J**	39	1.1
65-85-0	Benzoic Acid	390U	390	150
100-51-6	Benzyl Alcohol	20U	20	5.2
101-55-3	4-Bromophenyl Phenyl Ether	20U	20	1.7
85-68-7	Butyl Benzyl Phthalate	**15J**	39	5.7
86-74-8	Carbazole	390U	390	98
59-50-7	4-Chloro-3-methylphenol	20U	20	3.9
*106-47-8	4-Chloroaniline	39U	39	8.3
111-91-1	Bis(2-chloroethoxy)methane	20U	20	1.5
111-44-4	Bis(2-chloroethyl) Ether	20U	20	2.2
108-60-1	Bis(2-chloroisopropyl) Ether	20U	20	7.8
91-58-7	2-Chloronaphthalene	20U	20	2.5
95-57-8	2-Chlorophenol	20U	20	4.4
7005-72-3	4-Chlorophenyl Phenyl Ether	20U	20	3.9
218-01-9	Chrysene	**13J**	20	4.1
53-70-3	Dibenz(a,h)anthracene	39U	39	9.0
132-64-9	Dibenzofuran	20U	20	10
84-74-2	Di-n-butyl Phthalate	**150J**	200	29
106-46-7	1,4-Dichlorobenzene	20U	20	1.0
95-50-1	1,2-Dichlorobenzene	20U	20	1.4
541-73-1	1,3-Dichlorobenzene	20U	20	1.2

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LU-09-SD-2A**	Sampled:	11/23/09 10:55
Lab Sample ID:	**0911479-03**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/04/09 By: BJH
Dilution Factor:	1	Analyzed:	12/10/09 By: JLB
QC Batch:	0914186	Analytical Batch:	9L13002

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*91-94-1	3,3´-Dichlorobenzidine	200U	200	33
120-83-2	2,4-Dichlorophenol	20U	20	4.0
84-66-2	Diethyl Phthalate	20U	20	4.1
105-67-9	2,4-Dimethylphenol	390U	390	1.7
131-11-3	Dimethyl Phthalate	20U	20	1.0
534-52-1	4,6-Dinitro-2-methylphenol	78U	78	24
51-28-5	2,4-Dinitrophenol	390U	390	120
606-20-2	2,6-Dinitrotoluene	20U	20	2.7
121-14-2	2,4-Dinitrotoluene	39U	39	22
117-84-0	Di-n-octyl Phthalate	20U	20	6.2
117-81-7	Bis(2-ethylhexyl) Phthalate	**14J**	39	5.4
206-44-0	Fluoranthene	**28**	20	0.89
86-73-7	Fluorene	20U	20	8.0
118-74-1	Hexachlorobenzene	20U	20	5.0
87-68-3	Hexachlorobutadiene	20U	20	4.0
77-47-4	Hexachlorocyclopentadiene	20U	20	2.4
67-72-1	Hexachloroethane	20U	20	2.9
193-39-5	Indeno(1,2,3-cd)pyrene	**8.1J**	39	4.3
78-59-1	Isophorone	20U	20	7.3
91-57-6	2-Methylnaphthalene	20U	20	0.53
106-44-5	4-Methylphenol	20U	20	5.2
108-39-4	3+4-Methylphenol	20U	20	5.2
95-48-7	2-Methylphenol	20U	20	5.6
91-20-3	Naphthalene	20U	20	2.4
100-01-6	4-Nitroaniline	78U	78	1.9
88-74-4	2-Nitroaniline	20U	20	8.3
*99-09-2	3-Nitroaniline	39U	39	8.3
98-95-3	Nitrobenzene	20U	20	6.0
88-75-5	2-Nitrophenol	20U	20	7.7
100-02-7	4-Nitrophenol	390U	390	160
86-30-6	N-Nitroso-diphenylamine	20U	20	11

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LU-09-SD-2A**	Sampled:	11/23/09 10:55
Lab Sample ID:	**0911479-03**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/04/09 By: BJH
Dilution Factor:	1	Analyzed:	12/10/09 By: JLB
QC Batch:	0914186	Analytical Batch:	9L13002

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
621-64-7	N-Nitroso-di-n-propylamine	20U	20	6.6
87-86-5	Pentachlorophenol	200U	200	52
85-01-8	Phenanthrene	**9.7J**	20	1.2
108-95-2	Phenol	200U	200	52
129-00-0	Pyrene	**27**	20	1.4
110-86-1	Pyridine	20U	20	6.0
120-82-1	1,2,4-Trichlorobenzene	20U	20	4.6
95-95-4	2,4,5-Trichlorophenol	20U	20	2.9
88-06-2	2,4,6-Trichlorophenol	20U	20	2.4

Surrogates:	***% Recovery***	***Control Limits***
2-Fluorophenol	79	*33-113*
Phenol-d6	73	*30-115*
Nitrobenzene-d5	72	*33-131*
2-Fluorobiphenyl	72	*46-122*
2,4,6-Tribromophenol	77	*12-124*
o-Terphenyl	78	*20-155*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LU-09-SD-2A**	Sampled:	11/23/09 10:55
Lab Sample ID:	**0911479-03**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Percent Solids:	85		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Aluminum	**2600**		10	1.8	mg/kg dry wt.	1	USEPA-6010B	12/08/09	KLV	0914665
Arsenic	**3.2**		0.10	0.030	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Barium	**11**		0.10	0.032	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Cadmium	**0.058**		0.050	0.0053	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
***Chromium**	**7.4**	**B**	0.10	0.045	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Copper	**5.1**		0.10	0.043	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Lead	**2.8**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Mercury	**0.036**	**J**	0.050	0.0080	mg/kg dry wt.	1	USEPA-7471A	12/09/09	KLV	0914766
Nickel	**7.4**		0.10	0.025	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Selenium	**0.13**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DWJ	0914666
Silver	**0.037**	**J**	0.050	0.011	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Zinc	**20**		1.0	0.44	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**LU-09-SD-2A**	Sampled:	11/23/09 10:55
Lab Sample ID:	**0911479-03**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Chromium, Hexavalent	**0.20**	**J**	2.2	0.17	mg/kg dry	1	USEPA-7196A	12/06/09	HLB	0914376
Cyanide, Total	0.12	U	0.12	0.078	mg/kg dry	1	USEPA-9014	12/03/09	LMA	0914282
Fractional Organic Carbon	**0.0033**		0.0010	0.0010	g C/g Soil	1	ASTM D 2974-87	12/13/09	HLB	0914709
Percent Solids	**85**		0.1	0.1	%	1	USEPA-3550B	12/04/09	MSM	0914684
Carbon, Total Organic	**0.61**		0.10	0.0062	%	1	MSA 29-3.5.2	12/15/09	HLB	0915071

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-1A**	Sampled:	11/23/09 09:20
Lab Sample ID:	**0911479-04**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/03/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: MSZ
QC Batch:	0914059	Analytical Batch:	9L07053

Polychlorinated Biphenyls (PCBs) by EPA Method 8082

CAS Number	Analyte	Analytical Result	RL	MDL
12674-11-2	PCB-1016	370U	370	4.7
11104-28-2	PCB-1221	370U	370	8.8
11141-16-5	PCB-1232	370U	370	5.1
53469-21-9	PCB-1242	370U	370	5.2
12672-29-6	PCB-1248	370U	370	7.3
11097-69-1	PCB-1254	370U	370	6.6
11096-82-5	PCB-1260	370U	370	5.6

Surrogates:	***% Recovery***	***Control Limits***
Decachlorobiphenyl	80	*48-136*
Tetrachloro-m-xylene	90	*61-123*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-1A**	Sampled:	11/23/09 09:20
Lab Sample ID:	**0911479-04**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/02/09 By: DLV
Dilution Factor:	1	Analyzed:	12/02/09 By: DLV
QC Batch:	0914596	Analytical Batch:	9L03011

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
67-64-1	Acetone	840U	840	91
*107-02-8	Acrolein	280U	280	55
71-43-2	Benzene	56U	56	16
108-86-1	Bromobenzene	56U	56	13
74-97-5	Bromochloromethane	56U	56	12
75-27-4	Bromodichloromethane	56U	56	9.5
75-25-2	Bromoform	56U	56	28
74-83-9	Bromomethane	56U	56	35
104-51-8	n-Butylbenzene	56U	56	16
135-98-8	sec-Butylbenzene	56U	56	17
98-06-6	tert-Butylbenzene	56U	56	16
*75-15-0	Carbon Disulfide	280U	280	16
56-23-5	Carbon Tetrachloride	56U	56	12
108-90-7	Chlorobenzene	56U	56	13
75-00-3	Chloroethane	56U	56	25
67-66-3	Chloroform	56U	56	13
74-87-3	Chloromethane	56U	56	17
95-49-8	2-Chlorotoluene	56U	56	15
106-43-4	4-Chlorotoluene	56U	56	16
96-12-8	1,2-Dibromo-3-chloropropane	280U	280	20
124-48-1	Dibromochloromethane	56U	56	28
106-93-4	1,2-Dibromoethane	56U	56	10
74-95-3	Dibromomethane	56U	56	12
95-50-1	1,2-Dichlorobenzene	56U	56	13
541-73-1	1,3-Dichlorobenzene	56U	56	15
106-46-7	1,4-Dichlorobenzene	56U	56	15
75-71-8	Dichlorodifluoromethane	56U	56	11
75-34-3	1,1-Dichloroethane	56U	56	14
107-06-2	1,2-Dichloroethane	56U	56	9.7

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-1A**	Sampled:	11/23/09 09:20
Lab Sample ID:	**0911479-04**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/02/09 By: DLV
Dilution Factor:	1	Analyzed:	12/02/09 By: DLV
QC Batch:	0914596	Analytical Batch:	9L03011

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
75-35-4	1,1-Dichloroethene	56U	56	16
156-59-2	cis-1,2-Dichloroethene	56U	56	12
156-60-5	trans-1,2-Dichloroethene	56U	56	19
540-59-0	1,2-Dichloroethene (Total)	110U	110	31
78-87-5	1,2-Dichloropropane	56U	56	12
142-28-9	1,3-Dichloropropane	56U	56	9.1
594-20-7	2,2-Dichloropropane	56U	56	16
563-58-6	1,1-Dichloropropene	56U	56	18
10061-01-5	cis-1,3-Dichloropropene	56U	56	10
10061-02-6	trans-1,3-Dichloropropene	56U	56	7.9
100-41-4	Ethylbenzene	56U	56	17
87-68-3	Hexachlorobutadiene	56U	56	23
591-78-6	2-Hexanone	2800U	2800	30
98-82-8	Isopropylbenzene	56U	56	16
99-87-6	4-Isopropyltoluene	56U	56	17
1634-04-4	Methyl tert-Butyl Ether	56U	56	7.8
75-09-2	Methylene Chloride	**41J**	280	11
78-93-3	2-Butanone (MEK)	**52J**	2800	28
108-10-1	4-Methyl-2-pentanone (MIBK)	2800U	2800	27
91-20-3	Naphthalene	280U	280	23
103-65-1	n-Propylbenzene	56U	56	18
100-42-5	Styrene	56U	56	11
630-20-6	1,1,1,2-Tetrachloroethane	56U	56	10
79-34-5	1,1,2,2-Tetrachloroethane	56U	56	16
127-18-4	Tetrachloroethene	56U	56	22
108-88-3	Toluene	56U	56	16
87-61-6	1,2,3-Trichlorobenzene	56U	56	12
120-82-1	1,2,4-Trichlorobenzene	56U	56	20
71-55-6	1,1,1-Trichloroethane	56U	56	18
79-00-5	1,1,2-Trichloroethane	56U	56	28
79-01-6	Trichloroethene	56U	56	20

Continued on next page

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-1A**	Sampled:	11/23/09 09:20
Lab Sample ID:	**0911479-04**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/02/09 By: DLV
Dilution Factor:	1	Analyzed:	12/02/09 By: DLV
QC Batch:	0914596	Analytical Batch:	9L03011

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
75-69-4	Trichlorofluoromethane	56U	56	17
96-18-4	1,2,3-Trichloropropane	56U	56	24
95-63-6	1,2,4-Trimethylbenzene	56U	56	16
108-67-8	1,3,5-Trimethylbenzene	56U	56	14
75-01-4	Vinyl Chloride	56U	56	14
136777-61-2	Xylene, Meta + Para	110U	110	33
95-47-6	Xylene, Ortho	56U	56	16
1330-20-7	Xylene (Total)	170U	170	48

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	94	*75-123*
1,2-Dichloroethane-d4	110	*83-116*
Toluene-d8	96	*85-113*
4-Bromofluorobenzene	95	*81-117*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-1A**	Sampled:	11/23/09 09:20
Lab Sample ID:	**0911479-04**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/04/09 By: BJH
Dilution Factor:	1	Analyzed:	12/10/09 By: JLB
QC Batch:	0914186	Analytical Batch:	9L13002

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	19U	19	0.88
208-96-8	Acenaphthylene	19U	19	1.9
120-12-7	Anthracene	19U	19	2.9
*92-87-5	Benzidine	750U	750	190
56-55-3	Benzo(a)anthracene	**3.0J**	19	1.3
50-32-8	Benzo(a)pyrene	**3.4J**	19	1.6
205-99-2	Benzo(b)fluoranthene	**4.5J**	19	3.3
207-08-9	Benzo(k)fluoranthene	19U	19	1.5
191-24-2	Benzo(g,h,i)perylene	**1.5J**	38	1.1
65-85-0	Benzoic Acid	380U	380	150
100-51-6	Benzyl Alcohol	19U	19	5.0
101-55-3	4-Bromophenyl Phenyl Ether	19U	19	1.7
85-68-7	Butyl Benzyl Phthalate	**22J**	38	5.5
86-74-8	Carbazole	380U	380	94
59-50-7	4-Chloro-3-methylphenol	19U	19	3.7
*106-47-8	4-Chloroaniline	38U	38	8.0
111-91-1	Bis(2-chloroethoxy)methane	19U	19	1.4
111-44-4	Bis(2-chloroethyl) Ether	19U	19	2.1
108-60-1	Bis(2-chloroisopropyl) Ether	19U	19	7.5
91-58-7	2-Chloronaphthalene	19U	19	2.4
95-57-8	2-Chlorophenol	19U	19	4.2
7005-72-3	4-Chlorophenyl Phenyl Ether	19U	19	3.8
218-01-9	Chrysene	19U	19	3.9
53-70-3	Dibenz(a,h)anthracene	38U	38	8.7
132-64-9	Dibenzofuran	19U	19	9.9
84-74-2	Di-n-butyl Phthalate	**180J**	190	28
106-46-7	1,4-Dichlorobenzene	19U	19	0.98
95-50-1	1,2-Dichlorobenzene	19U	19	1.3
541-73-1	1,3-Dichlorobenzene	19U	19	1.2

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-1A**	Sampled:	11/23/09 09:20
Lab Sample ID:	**0911479-04**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/04/09 By: BJH
Dilution Factor:	1	Analyzed:	12/10/09 By: JLB
QC Batch:	0914186	Analytical Batch:	9L13002

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*91-94-1	3,3´-Dichlorobenzidine	190U	190	31
120-83-2	2,4-Dichlorophenol	19U	19	3.8
84-66-2	Diethyl Phthalate	19U	19	3.9
105-67-9	2,4-Dimethylphenol	380U	380	1.7
131-11-3	Dimethyl Phthalate	19U	19	0.98
534-52-1	4,6-Dinitro-2-methylphenol	75U	75	23
51-28-5	2,4-Dinitrophenol	380U	380	120
606-20-2	2,6-Dinitrotoluene	19U	19	2.6
121-14-2	2,4-Dinitrotoluene	38U	38	21
117-84-0	Di-n-octyl Phthalate	19U	19	6.0
117-81-7	Bis(2-ethylhexyl) Phthalate	**52**	38	5.2
206-44-0	Fluoranthene	**6.4J**	19	0.86
86-73-7	Fluorene	19U	19	7.7
118-74-1	Hexachlorobenzene	19U	19	4.8
87-68-3	Hexachlorobutadiene	19U	19	3.9
77-47-4	Hexachlorocyclopentadiene	19U	19	2.3
67-72-1	Hexachloroethane	19U	19	2.8
193-39-5	Indeno(1,2,3-cd)pyrene	38U	38	4.1
78-59-1	Isophorone	19U	19	7.0
91-57-6	2-Methylnaphthalene	19U	19	0.51
106-44-5	4-Methylphenol	19U	19	5.0
108-39-4	3+4-Methylphenol	19U	19	5.0
95-48-7	2-Methylphenol	19U	19	5.4
91-20-3	Naphthalene	19U	19	2.3
100-01-6	4-Nitroaniline	75U	75	1.8
88-74-4	2-Nitroaniline	19U	19	8.0
*99-09-2	3-Nitroaniline	38U	38	8.0
98-95-3	Nitrobenzene	19U	19	5.8
88-75-5	2-Nitrophenol	19U	19	7.4
100-02-7	4-Nitrophenol	380U	380	150
86-30-6	N-Nitroso-diphenylamine	19U	19	11

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-1A**	Sampled:	11/23/09 09:20
Lab Sample ID:	**0911479-04**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/04/09 By: BJH
Dilution Factor:	1	Analyzed:	12/10/09 By: JLB
QC Batch:	0914186	Analytical Batch:	9L13002

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
621-64-7	N-Nitroso-di-n-propylamine	19U	19	6.3
87-86-5	Pentachlorophenol	190U	190	50
85-01-8	Phenanthrene	**2.2J**	19	1.2
108-95-2	Phenol	190U	190	50
129-00-0	Pyrene	**4.9J**	19	1.3
110-86-1	Pyridine	19U	19	5.8
120-82-1	1,2,4-Trichlorobenzene	19U	19	4.4
95-95-4	2,4,5-Trichlorophenol	19U	19	2.8
88-06-2	2,4,6-Trichlorophenol	19U	19	2.3

Surrogates:	***% Recovery***	***Control Limits***
2-Fluorophenol	77	*33-113*
Phenol-d6	73	*30-115*
Nitrobenzene-d5	66	*33-131*
2-Fluorobiphenyl	71	*46-122*
2,4,6-Tribromophenol	69	*12-124*
o-Terphenyl	79	*20-155*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-1A**	Sampled:	11/23/09 09:20
Lab Sample ID:	**0911479-04**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Percent Solids:	89		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Aluminum	**1600**		10	1.8	mg/kg dry wt.	1	USEPA-6010B	12/08/09	KLV	0914665
Arsenic	**2.0**		0.10	0.030	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Barium	**6.0**		0.10	0.032	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Cadmium	**0.037**	**J**	0.050	0.0053	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
***Chromium**	**3.9**	**B**	0.10	0.045	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Copper	**3.6**		0.10	0.043	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Lead	**1.4**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Mercury	0.050	U	0.050	0.0080	mg/kg dry wt.	1	USEPA-7471A	12/09/09	KLV	0914766
Nickel	**4.9**		0.10	0.025	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Selenium	**0.099**	**J**	0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DWJ	0914666
Silver	**0.027**	**J**	0.050	0.011	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Zinc	**7.6**		1.0	0.44	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-1A**	Sampled:	11/23/09 09:20
Lab Sample ID:	**0911479-04**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
***Chromium, Hexavalent**	**0.28**	**J**	2.3	0.17	mg/kg dry	1	USEPA-7196A	12/06/09	HLB	0914376
Cyanide, Total	0.11	U	0.11	0.075	mg/kg dry	1	USEPA-9014	12/03/09	LMA	0914282
Fractional Organic Carbon	**0.0016**		0.0010	0.0010	g C/g Soil	1	ASTM D 2974-87	12/13/09	HLB	0914709
Percent Solids	**89**		0.1	0.1	%	1	USEPA-3550B	12/04/09	MSM	0914684
Carbon, Total Organic	**0.089**	**J**	0.10	0.0062	%	1	MSA 29-3.5.2	12/15/09	HLB	0915071

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-3A**	Sampled:	11/23/09 09:45
Lab Sample ID:	**0911479-05**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/03/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: MSZ
QC Batch:	0914059	Analytical Batch:	9L07053

Polychlorinated Biphenyls (PCBs) by EPA Method 8082

CAS Number	Analyte	Analytical Result	RL	MDL
12674-11-2	PCB-1016	460U	460	5.9
11104-28-2	PCB-1221	460U	460	11
11141-16-5	PCB-1232	460U	460	6.3
53469-21-9	PCB-1242	460U	460	6.4
12672-29-6	PCB-1248	**27J**	460	9.1
11097-69-1	PCB-1254	460U	460	8.3
11096-82-5	PCB-1260	460U	460	7.0

Surrogates:	***% Recovery***	***Control Limits***
Decachlorobiphenyl	80	*48-136*
Tetrachloro-m-xylene	92	*61-123*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-3A**	Sampled:	11/23/09 09:45
Lab Sample ID:	**0911479-05**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/02/09 By: DLV
Dilution Factor:	1	Analyzed:	12/02/09 By: DLV
QC Batch:	0914596	Analytical Batch:	9L03011

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
67-64-1	Acetone	**170J**	980	110
*107-02-8	Acrolein	330U	330	64
71-43-2	Benzene	65U	65	19
108-86-1	Bromobenzene	65U	65	15
74-97-5	Bromochloromethane	65U	65	14
75-27-4	Bromodichloromethane	65U	65	11
75-25-2	Bromoform	65U	65	33
74-83-9	Bromomethane	65U	65	40
104-51-8	n-Butylbenzene	65U	65	18
135-98-8	sec-Butylbenzene	65U	65	20
98-06-6	tert-Butylbenzene	65U	65	19
*75-15-0	Carbon Disulfide	330U	330	18
56-23-5	Carbon Tetrachloride	65U	65	14
108-90-7	Chlorobenzene	65U	65	15
75-00-3	Chloroethane	65U	65	29
67-66-3	Chloroform	65U	65	15
74-87-3	Chloromethane	65U	65	20
95-49-8	2-Chlorotoluene	65U	65	18
106-43-4	4-Chlorotoluene	65U	65	19
96-12-8	1,2-Dibromo-3-chloropropane	330U	330	23
124-48-1	Dibromochloromethane	65U	65	33
106-93-4	1,2-Dibromoethane	65U	65	12
74-95-3	Dibromomethane	65U	65	14
95-50-1	1,2-Dichlorobenzene	65U	65	15
541-73-1	1,3-Dichlorobenzene	65U	65	18
106-46-7	1,4-Dichlorobenzene	65U	65	18
75-71-8	Dichlorodifluoromethane	65U	65	12
75-34-3	1,1-Dichloroethane	65U	65	16
107-06-2	1,2-Dichloroethane	65U	65	11

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-3A**	Sampled:	11/23/09 09:45
Lab Sample ID:	**0911479-05**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/02/09 By: DLV
Dilution Factor:	1	Analyzed:	12/02/09 By: DLV
QC Batch:	0914596	Analytical Batch:	9L03011

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
75-35-4	1,1-Dichloroethene	65U	65	19
156-59-2	cis-1,2-Dichloroethene	65U	65	14
156-60-5	trans-1,2-Dichloroethene	65U	65	22
540-59-0	1,2-Dichloroethene (Total)	130U	130	36
78-87-5	1,2-Dichloropropane	65U	65	14
142-28-9	1,3-Dichloropropane	65U	65	11
594-20-7	2,2-Dichloropropane	65U	65	18
563-58-6	1,1-Dichloropropene	65U	65	21
10061-01-5	cis-1,3-Dichloropropene	65U	65	12
10061-02-6	trans-1,3-Dichloropropene	65U	65	9.1
100-41-4	Ethylbenzene	65U	65	20
87-68-3	Hexachlorobutadiene	65U	65	27
591-78-6	2-Hexanone	3300U	3300	34
98-82-8	Isopropylbenzene	65U	65	18
99-87-6	4-Isopropyltoluene	65U	65	19
1634-04-4	Methyl tert-Butyl Ether	65U	65	9.1
75-09-2	Methylene Chloride	**43J**	330	13
78-93-3	2-Butanone (MEK)	**78J**	3300	33
108-10-1	4-Methyl-2-pentanone (MIBK)	3300U	3300	31
91-20-3	Naphthalene	330U	330	27
103-65-1	n-Propylbenzene	65U	65	20
100-42-5	Styrene	65U	65	12
630-20-6	1,1,1,2-Tetrachloroethane	65U	65	12
79-34-5	1,1,2,2-Tetrachloroethane	65U	65	18
127-18-4	Tetrachloroethene	65U	65	25
108-88-3	Toluene	65U	65	19
87-61-6	1,2,3-Trichlorobenzene	65U	65	13
120-82-1	1,2,4-Trichlorobenzene	65U	65	23
71-55-6	1,1,1-Trichloroethane	65U	65	20
79-00-5	1,1,2-Trichloroethane	65U	65	33
79-01-6	Trichloroethene	65U	65	23

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-3A**	Sampled:	11/23/09 09:45
Lab Sample ID:	**0911479-05**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/02/09 By: DLV
Dilution Factor:	1	Analyzed:	12/02/09 By: DLV
QC Batch:	0914596	Analytical Batch:	9L03011

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
75-69-4	Trichlorofluoromethane	65U	65	20
96-18-4	1,2,3-Trichloropropane	65U	65	28
95-63-6	1,2,4-Trimethylbenzene	65U	65	19
108-67-8	1,3,5-Trimethylbenzene	65U	65	17
75-01-4	Vinyl Chloride	65U	65	16
136777-61-2	Xylene, Meta + Para	130U	130	38
95-47-6	Xylene, Ortho	65U	65	18
1330-20-7	Xylene (Total)	200U	200	56

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	96	*75-123*
1,2-Dichloroethane-d4	110	*83-116*
Toluene-d8	97	*85-113*
4-Bromofluorobenzene	93	*81-117*

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-3A**	Sampled:	11/23/09 09:45
Lab Sample ID:	**0911479-05**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/04/09 By: BJH
Dilution Factor:	1	Analyzed:	12/10/09 By: JLB
QC Batch:	0914186	Analytical Batch:	9L13002

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	**8.1J**	23	1.1
208-96-8	Acenaphthylene	23U	23	2.3
120-12-7	Anthracene	**18J**	23	3.6
*92-87-5	Benzidine	930U	930	230
56-55-3	Benzo(a)anthracene	**87**	23	1.6
50-32-8	Benzo(a)pyrene	**72**	23	2.0
205-99-2	Benzo(b)fluoranthene	**120**	23	4.1
207-08-9	Benzo(k)fluoranthene	**41**	23	1.8
191-24-2	Benzo(g,h,i)perylene	**51**	47	1.3
65-85-0	Benzoic Acid	470U	470	180
100-51-6	Benzyl Alcohol	23U	23	6.3
101-55-3	4-Bromophenyl Phenyl Ether	23U	23	2.1
85-68-7	Butyl Benzyl Phthalate	**19J**	47	6.9
86-74-8	Carbazole	470U	470	120
59-50-7	4-Chloro-3-methylphenol	23U	23	4.6
*106-47-8	4-Chloroaniline	47U	47	9.9
111-91-1	Bis(2-chloroethoxy)methane	23U	23	1.8
111-44-4	Bis(2-chloroethyl) Ether	23U	23	2.6
108-60-1	Bis(2-chloroisopropyl) Ether	23U	23	9.3
91-58-7	2-Chloronaphthalene	23U	23	3.0
95-57-8	2-Chlorophenol	23U	23	5.3
7005-72-3	4-Chlorophenyl Phenyl Ether	23U	23	4.7
218-01-9	Chrysene	**83**	23	4.9
53-70-3	Dibenz(a,h)anthracene	47U	47	11
132-64-9	Dibenzofuran	23U	23	12
84-74-2	Di-n-butyl Phthalate	**72J**	230	35
106-46-7	1,4-Dichlorobenzene	23U	23	1.2
95-50-1	1,2-Dichlorobenzene	23U	23	1.7
541-73-1	1,3-Dichlorobenzene	23U	23	1.5

Continued on next page

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-3A**	Sampled:	11/23/09 09:45
Lab Sample ID:	**0911479-05**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/04/09 By: BJH
Dilution Factor:	1	Analyzed:	12/10/09 By: JLB
QC Batch:	0914186	Analytical Batch:	9L13002

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*91-94-1	3,3´-Dichlorobenzidine	230U	230	39
120-83-2	2,4-Dichlorophenol	23U	23	4.7
84-66-2	Diethyl Phthalate	23U	23	4.9
105-67-9	2,4-Dimethylphenol	470U	470	2.1
131-11-3	Dimethyl Phthalate	23U	23	1.2
534-52-1	4,6-Dinitro-2-methylphenol	93U	93	28
51-28-5	2,4-Dinitrophenol	470U	470	150
606-20-2	2,6-Dinitrotoluene	23U	23	3.2
121-14-2	2,4-Dinitrotoluene	47U	47	26
117-84-0	Di-n-octyl Phthalate	23U	23	7.5
117-81-7	Bis(2-ethylhexyl) Phthalate	**25J**	47	6.5
206-44-0	Fluoranthene	**190**	23	1.1
86-73-7	Fluorene	23U	23	9.6
118-74-1	Hexachlorobenzene	23U	23	6.0
87-68-3	Hexachlorobutadiene	23U	23	4.8
77-47-4	Hexachlorocyclopentadiene	23U	23	2.8
67-72-1	Hexachloroethane	23U	23	3.5
193-39-5	Indeno(1,2,3-cd)pyrene	**41J**	47	5.1
78-59-1	Isophorone	23U	23	8.7
91-57-6	2-Methylnaphthalene	23U	23	0.63
106-44-5	4-Methylphenol	23U	23	6.2
108-39-4	3+4-Methylphenol	23U	23	6.2
95-48-7	2-Methylphenol	23U	23	6.7
91-20-3	Naphthalene	23U	23	2.9
100-01-6	4-Nitroaniline	93U	93	2.2
88-74-4	2-Nitroaniline	23U	23	9.9
*99-09-2	3-Nitroaniline	47U	47	9.9
98-95-3	Nitrobenzene	23U	23	7.2
88-75-5	2-Nitrophenol	23U	23	9.3
100-02-7	4-Nitrophenol	470U	470	190
86-30-6	N-Nitroso-diphenylamine	23U	23	14

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-3A**	Sampled:	11/23/09 09:45
Lab Sample ID:	**0911479-05**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/04/09 By: BJH
Dilution Factor:	1	Analyzed:	12/10/09 By: JLB
QC Batch:	0914186	Analytical Batch:	9L13002

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
621-64-7	N-Nitroso-di-n-propylamine	23U	23	7.9
87-86-5	Pentachlorophenol	230U	230	62
85-01-8	Phenanthrene	**110**	23	1.5
108-95-2	Phenol	230U	230	63
129-00-0	Pyrene	**180**	23	1.7
110-86-1	Pyridine	23U	23	7.2
120-82-1	1,2,4-Trichlorobenzene	23U	23	5.5
95-95-4	2,4,5-Trichlorophenol	23U	23	3.4
88-06-2	2,4,6-Trichlorophenol	23U	23	2.9

Surrogates:	***% Recovery***	***Control Limits***
2-Fluorophenol	76	*33-113*
Phenol-d6	70	*30-115*
Nitrobenzene-d5	67	*33-131*
2-Fluorobiphenyl	70	*46-122*
2,4,6-Tribromophenol	71	*12-124*
o-Terphenyl	79	*20-155*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-3A**	Sampled:	11/23/09 09:45
Lab Sample ID:	**0911479-05**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Percent Solids:	71		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Aluminum	**1900**		10	1.8	mg/kg dry wt.	1	USEPA-6010B	12/08/09	KLV	0914665
Arsenic	**4.5**		0.10	0.030	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Barium	**33**		0.10	0.032	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Cadmium	**0.094**		0.050	0.0053	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
***Chromium**	**13**	**B**	0.10	0.045	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Copper	**8.7**		0.10	0.043	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Lead	**3.5**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Mercury	**0.016**	**J**	0.050	0.0080	mg/kg dry wt.	1	USEPA-7471A	12/09/09	KLV	0914766
Nickel	**6.4**		0.10	0.025	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Selenium	**0.19**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DWJ	0914666
Silver	**0.028**	**J**	0.050	0.011	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Zinc	**24**		1.0	0.44	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-3A**	Sampled:	11/23/09 09:45
Lab Sample ID:	**0911479-05**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Chromium, Hexavalent	**0.61**	**J**	2.8	0.21	mg/kg dry	1	USEPA-7196A	12/06/09	HLB	0914376
Cyanide, Total	0.14	U	0.14	0.093	mg/kg dry	1	USEPA-9014	12/03/09	LMA	0914282
Fractional Organic Carbon	**0.0141**		0.0010	0.0010	g C/g Soil	1	ASTM D 2974-87	12/13/09	HLB	0914709
Percent Solids	**71**		0.1	0.1	%	1	USEPA-3550B	12/04/09	MSM	0914684
Carbon, Total Organic	**0.83**		0.10	0.0062	%	1	MSA 29-3.5.2	12/15/09	HLB	0915071

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-3B**	Sampled:	11/23/09 09:45
Lab Sample ID:	**0911479-06**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/03/09 By: BJH
Dilution Factor:	1	Analyzed:	12/07/09 By: MSZ
QC Batch:	0914059	Analytical Batch:	9L07053

Polychlorinated Biphenyls (PCBs) by EPA Method 8082

CAS Number	Analyte	Analytical Result	RL	MDL
12674-11-2	PCB-1016	440U	440	5.6
11104-28-2	PCB-1221	440U	440	10
11141-16-5	PCB-1232	440U	440	6.0
53469-21-9	PCB-1242	440U	440	6.1
12672-29-6	PCB-1248	440U	440	8.7
11097-69-1	PCB-1254	440U	440	7.9
11096-82-5	PCB-1260	440U	440	6.7

Surrogates:	***% Recovery***	***Control Limits***
Decachlorobiphenyl	80	*48-136*
Tetrachloro-m-xylene	88	*61-123*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-3B**	Sampled:	11/23/09 09:45
Lab Sample ID:	**0911479-06**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/02/09 By: DLV
Dilution Factor:	1	Analyzed:	12/02/09 By: DLV
QC Batch:	0914596	Analytical Batch:	9L03011

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
67-64-1	Acetone	**130J**	1000	110
*107-02-8	Acrolein	330U	330	65
71-43-2	Benzene	67U	67	19
108-86-1	Bromobenzene	67U	67	15
74-97-5	Bromochloromethane	67U	67	15
75-27-4	Bromodichloromethane	67U	67	11
75-25-2	Bromoform	67U	67	33
74-83-9	Bromomethane	67U	67	41
104-51-8	n-Butylbenzene	67U	67	18
135-98-8	sec-Butylbenzene	67U	67	21
98-06-6	tert-Butylbenzene	67U	67	19
*75-15-0	Carbon Disulfide	330U	330	19
56-23-5	Carbon Tetrachloride	67U	67	15
108-90-7	Chlorobenzene	67U	67	15
75-00-3	Chloroethane	67U	67	30
67-66-3	Chloroform	67U	67	15
74-87-3	Chloromethane	67U	67	20
95-49-8	2-Chlorotoluene	67U	67	18
106-43-4	4-Chlorotoluene	67U	67	19
96-12-8	1,2-Dibromo-3-chloropropane	330U	330	23
124-48-1	Dibromochloromethane	67U	67	33
106-93-4	1,2-Dibromoethane	67U	67	12
74-95-3	Dibromomethane	67U	67	14
95-50-1	1,2-Dichlorobenzene	67U	67	15
541-73-1	1,3-Dichlorobenzene	67U	67	18
106-46-7	1,4-Dichlorobenzene	67U	67	18
75-71-8	Dichlorodifluoromethane	67U	67	13
75-34-3	1,1-Dichloroethane	67U	67	16
107-06-2	1,2-Dichloroethane	67U	67	11

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-3B**	Sampled:	11/23/09 09:45
Lab Sample ID:	**0911479-06**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/02/09 By: DLV
Dilution Factor:	1	Analyzed:	12/02/09 By: DLV
QC Batch:	0914596	Analytical Batch:	9L03011

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
75-35-4	1,1-Dichloroethene	67U	67	19
156-59-2	cis-1,2-Dichloroethene	67U	67	14
156-60-5	trans-1,2-Dichloroethene	67U	67	22
540-59-0	1,2-Dichloroethene (Total)	130U	130	36
78-87-5	1,2-Dichloropropane	67U	67	14
142-28-9	1,3-Dichloropropane	67U	67	11
594-20-7	2,2-Dichloropropane	67U	67	19
563-58-6	1,1-Dichloropropene	67U	67	22
10061-01-5	cis-1,3-Dichloropropene	67U	67	12
10061-02-6	trans-1,3-Dichloropropene	67U	67	9.3
100-41-4	Ethylbenzene	67U	67	20
87-68-3	Hexachlorobutadiene	67U	67	27
591-78-6	2-Hexanone	3300U	3300	35
98-82-8	Isopropylbenzene	67U	67	19
99-87-6	4-Isopropyltoluene	67U	67	20
1634-04-4	Methyl tert-Butyl Ether	67U	67	9.2
75-09-2	Methylene Chloride	**40J**	330	14
78-93-3	2-Butanone (MEK)	**70J**	3300	33
108-10-1	4-Methyl-2-pentanone (MIBK)	3300U	3300	32
91-20-3	Naphthalene	330U	330	28
103-65-1	n-Propylbenzene	67U	67	21
100-42-5	Styrene	67U	67	13
630-20-6	1,1,1,2-Tetrachloroethane	67U	67	12
79-34-5	1,1,2,2-Tetrachloroethane	67U	67	19
127-18-4	Tetrachloroethene	67U	67	26
108-88-3	Toluene	**29J**	67	19
87-61-6	1,2,3-Trichlorobenzene	67U	67	14
120-82-1	1,2,4-Trichlorobenzene	67U	67	23
71-55-6	1,1,1-Trichloroethane	67U	67	21
79-00-5	1,1,2-Trichloroethane	67U	67	33
79-01-6	Trichloroethene	67U	67	23

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-3B**	Sampled:	11/23/09 09:45
Lab Sample ID:	**0911479-06**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/02/09 By: DLV
Dilution Factor:	1	Analyzed:	12/02/09 By: DLV
QC Batch:	0914596	Analytical Batch:	9L03011

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
75-69-4	Trichlorofluoromethane	67U	67	21
96-18-4	1,2,3-Trichloropropane	67U	67	29
95-63-6	1,2,4-Trimethylbenzene	67U	67	19
108-67-8	1,3,5-Trimethylbenzene	67U	67	17
75-01-4	Vinyl Chloride	67U	67	16
136777-61-2	Xylene, Meta + Para	130U	130	38
95-47-6	Xylene, Ortho	67U	67	18
1330-20-7	Xylene (Total)	200U	200	57

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	97	*75-123*
1,2-Dichloroethane-d4	110	*83-116*
Toluene-d8	98	*85-113*
4-Bromofluorobenzene	93	*81-117*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-3B**	Sampled:	11/23/09 09:45
Lab Sample ID:	**0911479-06**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/04/09 By: BJH
Dilution Factor:	1	Analyzed:	12/10/09 By: JLB
QC Batch:	0914186	Analytical Batch:	9L13002

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	**2.2J**	22	1.0
208-96-8	Acenaphthylene	22U	22	2.2
120-12-7	Anthracene	**6.2J**	22	3.4
*92-87-5	Benzidine	890U	890	220
56-55-3	Benzo(a)anthracene	**46**	22	1.5
50-32-8	Benzo(a)pyrene	**45**	22	1.9
205-99-2	Benzo(b)fluoranthene	**71**	22	3.9
207-08-9	Benzo(k)fluoranthene	**18J**	22	1.7
191-24-2	Benzo(g,h,i)perylene	**26J**	44	1.2
65-85-0	Benzoic Acid	440U	440	170
100-51-6	Benzyl Alcohol	22U	22	6.0
101-55-3	4-Bromophenyl Phenyl Ether	22U	22	2.0
85-68-7	Butyl Benzyl Phthalate	44U	44	6.5
86-74-8	Carbazole	440U	440	110
59-50-7	4-Chloro-3-methylphenol	22U	22	4.4
*106-47-8	4-Chloroaniline	44U	44	9.4
111-91-1	Bis(2-chloroethoxy)methane	22U	22	1.7
111-44-4	Bis(2-chloroethyl) Ether	22U	22	2.5
108-60-1	Bis(2-chloroisopropyl) Ether	22U	22	8.9
91-58-7	2-Chloronaphthalene	22U	22	2.9
95-57-8	2-Chlorophenol	22U	22	5.0
7005-72-3	4-Chlorophenyl Phenyl Ether	22U	22	4.5
218-01-9	Chrysene	**41**	22	4.6
53-70-3	Dibenz(a,h)anthracene	44U	44	10
132-64-9	Dibenzofuran	22U	22	12
84-74-2	Di-n-butyl Phthalate	**100J**	220	33
106-46-7	1,4-Dichlorobenzene	22U	22	1.2
95-50-1	1,2-Dichlorobenzene	22U	22	1.6
541-73-1	1,3-Dichlorobenzene	22U	22	1.4

Continued on next page

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-3B**	Sampled:	11/23/09 09:45
Lab Sample ID:	**0911479-06**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/04/09 By: BJH
Dilution Factor:	1	Analyzed:	12/10/09 By: JLB
QC Batch:	0914186	Analytical Batch:	9L13002

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
*91-94-1	3,3´-Dichlorobenzidine	220U	220	37
120-83-2	2,4-Dichlorophenol	22U	22	4.5
84-66-2	Diethyl Phthalate	22U	22	4.6
105-67-9	2,4-Dimethylphenol	440U	440	2.0
131-11-3	Dimethyl Phthalate	22U	22	1.2
534-52-1	4,6-Dinitro-2-methylphenol	89U	89	27
51-28-5	2,4-Dinitrophenol	440U	440	140
606-20-2	2,6-Dinitrotoluene	22U	22	3.0
121-14-2	2,4-Dinitrotoluene	44U	44	25
117-84-0	Di-n-octyl Phthalate	22U	22	7.1
117-81-7	Bis(2-ethylhexyl) Phthalate	**12J**	44	6.2
206-44-0	Fluoranthene	**79**	22	1.0
86-73-7	Fluorene	22U	22	9.1
118-74-1	Hexachlorobenzene	22U	22	5.7
87-68-3	Hexachlorobutadiene	22U	22	4.6
77-47-4	Hexachlorocyclopentadiene	22U	22	2.7
67-72-1	Hexachloroethane	22U	22	3.3
193-39-5	Indeno(1,2,3-cd)pyrene	**26J**	44	4.9
78-59-1	Isophorone	22U	22	8.3
91-57-6	2-Methylnaphthalene	**1.8J**	22	0.60
106-44-5	4-Methylphenol	22U	22	5.9
108-39-4	3+4-Methylphenol	22U	22	5.9
95-48-7	2-Methylphenol	22U	22	6.3
91-20-3	Naphthalene	22U	22	2.8
100-01-6	4-Nitroaniline	89U	89	2.1
88-74-4	2-Nitroaniline	22U	22	9.4
*99-09-2	3-Nitroaniline	44U	44	9.4
98-95-3	Nitrobenzene	22U	22	6.9
88-75-5	2-Nitrophenol	22U	22	8.8
100-02-7	4-Nitrophenol	440U	440	180
86-30-6	N-Nitroso-diphenylamine	22U	22	13

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-3B**	Sampled:	11/23/09 09:45
Lab Sample ID:	**0911479-06**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Unit:	ug/kg dry	Prepared:	12/04/09 By: BJH
Dilution Factor:	1	Analyzed:	12/10/09 By: JLB
QC Batch:	0914186	Analytical Batch:	9L13002

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
621-64-7	N-Nitroso-di-n-propylamine	22U	22	7.5
87-86-5	Pentachlorophenol	220U	220	59
85-01-8	Phenanthrene	**44**	22	1.4
108-95-2	Phenol	220U	220	60
129-00-0	Pyrene	**87**	22	1.6
110-86-1	Pyridine	22U	22	6.8
120-82-1	1,2,4-Trichlorobenzene	22U	22	5.2
95-95-4	2,4,5-Trichlorophenol	22U	22	3.3
88-06-2	2,4,6-Trichlorophenol	22U	22	2.7

Surrogates:	***% Recovery***	***Control Limits***
2-Fluorophenol	72	*33-113*
Phenol-d6	66	*30-115*
Nitrobenzene-d5	67	*33-131*
2-Fluorobiphenyl	71	*46-122*
2,4,6-Tribromophenol	81	*12-124*
o-Terphenyl	79	*20-155*

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-3B**	Sampled:	11/23/09 09:45
Lab Sample ID:	**0911479-06**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50
Percent Solids:	75		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Aluminum	**2900**		10	1.8	mg/kg dry wt.	1	USEPA-6010B	12/08/09	KLV	0914665
Arsenic	**4.9**		0.10	0.030	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Barium	**29**		0.10	0.032	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Cadmium	**0.20**		0.050	0.0053	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
***Chromium**	**5.3**	**B**	0.10	0.045	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Copper	**5.4**		0.10	0.043	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Lead	**7.8**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Mercury	**0.049**	**J**	0.050	0.0080	mg/kg dry wt.	1	USEPA-7471A	12/09/09	KLV	0914766
Nickel	**5.2**		0.10	0.025	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Selenium	**0.28**		0.10	0.049	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DWJ	0914666
Silver	**0.054**		0.050	0.011	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666
Zinc	**27**		1.0	0.44	mg/kg dry wt.	1	USEPA-6020A	12/07/09	DSC	0914666

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**L-09-SD-3B**	Sampled:	11/23/09 09:45
Lab Sample ID:	**0911479-06**	Sampled By:	Mr. Scott Jones
Matrix:	Sediment	Received:	11/24/09 17:50

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Chromium, Hexavalent	**1.1**	**J**	2.7	0.20	mg/kg dry	1	USEPA-7196A	12/06/09	HLB	0914376
Cyanide, Total	0.13	U	0.13	0.089	mg/kg dry	1	USEPA-9014	12/03/09	LMA	0914282
Fractional Organic Carbon	**0.0151**		0.0010	0.0010	g C/g Soil	1	ASTM D 2974-87	12/13/09	HLB	0914709
Percent Solids	**75**		0.1	0.1	%	1	USEPA-3550B	12/04/09	MSM	0914684
Carbon, Total Organic	**2.0**		0.10	0.0062	%	1	MSA 29-3.5.2	12/15/09	HLB	0915071

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**FB1113-1**	Sampled:	11/23/09 11:40
Lab Sample ID:	**0911479-07**	Sampled By:	TML
Matrix:	Methanol	Received:	11/24/09 17:50
Unit:	ug/kg wet	Prepared:	12/02/09 By: DLV
Dilution Factor:	1	Analyzed:	12/02/09 By: DLV
QC Batch:	0914596	Analytical Batch:	9L03011

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
67-64-1	Acetone	750U	750	81
*107-02-8	Acrolein	250U	250	49
71-43-2	Benzene	50U	50	14
108-86-1	Bromobenzene	50U	50	11
74-97-5	Bromochloromethane	50U	50	11
75-27-4	Bromodichloromethane	50U	50	8.4
75-25-2	Bromoform	50U	50	25
74-83-9	Bromomethane	50U	50	31
104-51-8	n-Butylbenzene	50U	50	14
135-98-8	sec-Butylbenzene	50U	50	15
98-06-6	tert-Butylbenzene	50U	50	15
*75-15-0	Carbon Disulfide	250U	250	14
56-23-5	Carbon Tetrachloride	50U	50	11
108-90-7	Chlorobenzene	50U	50	11
75-00-3	Chloroethane	50U	50	22
67-66-3	Chloroform	50U	50	11
74-87-3	Chloromethane	50U	50	15
95-49-8	2-Chlorotoluene	50U	50	14
106-43-4	4-Chlorotoluene	50U	50	14
96-12-8	1,2-Dibromo-3-chloropropane	250U	250	17
124-48-1	Dibromochloromethane	50U	50	25
106-93-4	1,2-Dibromoethane	50U	50	9.2
74-95-3	Dibromomethane	50U	50	10
95-50-1	1,2-Dichlorobenzene	50U	50	12
541-73-1	1,3-Dichlorobenzene	50U	50	14
106-46-7	1,4-Dichlorobenzene	50U	50	14
75-71-8	Dichlorodifluoromethane	50U	50	9.4
75-34-3	1,1-Dichloroethane	50U	50	12
107-06-2	1,2-Dichloroethane	50U	50	8.6
75-35-4	1,1-Dichloroethene	50U	50	14
156-59-2	cis-1,2-Dichloroethene	50U	50	11

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**FB1113-1**	Sampled:	11/23/09 11:40
Lab Sample ID:	**0911479-07**	Sampled By:	TML
Matrix:	Methanol	Received:	11/24/09 17:50
Unit:	ug/kg wet	Prepared:	12/02/09 By: DLV
Dilution Factor:	1	Analyzed:	12/02/09 By: DLV
QC Batch:	0914596	Analytical Batch:	9L03011

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
156-60-5	trans-1,2-Dichloroethene	50U	50	17
540-59-0	1,2-Dichloroethene (Total)	100U	100	27
78-87-5	1,2-Dichloropropane	50U	50	11
142-28-9	1,3-Dichloropropane	50U	50	8.1
594-20-7	2,2-Dichloropropane	50U	50	14
563-58-6	1,1-Dichloropropene	50U	50	16
10061-01-5	cis-1,3-Dichloropropene	50U	50	9.1
10061-02-6	trans-1,3-Dichloropropene	50U	50	7.0
100-41-4	Ethylbenzene	50U	50	15
87-68-3	Hexachlorobutadiene	50U	50	20
591-78-6	2-Hexanone	2500U	2500	26
98-82-8	Isopropylbenzene	50U	50	14
99-87-6	4-Isopropyltoluene	50U	50	15
1634-04-4	Methyl tert-Butyl Ether	50U	50	6.9
75-09-2	Methylene Chloride	**37J**	250	10
78-93-3	2-Butanone (MEK)	**50J**	2500	25
108-10-1	4-Methyl-2-pentanone (MIBK)	2500U	2500	24
91-20-3	Naphthalene	250U	250	21
103-65-1	n-Propylbenzene	50U	50	16
100-42-5	Styrene	50U	50	9.4
630-20-6	1,1,1,2-Tetrachloroethane	50U	50	8.9
79-34-5	1,1,2,2-Tetrachloroethane	50U	50	14
127-18-4	Tetrachloroethene	50U	50	19
108-88-3	Toluene	50U	50	15
87-61-6	1,2,3-Trichlorobenzene	50U	50	10
120-82-1	1,2,4-Trichlorobenzene	50U	50	18
71-55-6	1,1,1-Trichloroethane	50U	50	16
79-00-5	1,1,2-Trichloroethane	50U	50	25
79-01-6	Trichloroethene	50U	50	18
75-69-4	Trichlorofluoromethane	50U	50	16
96-18-4	1,2,3-Trichloropropane	50U	50	22

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ANALYTICAL REPORT

Client:	**CTI and Associates, Inc.**	Work Order:	**0911479**
Project:	JCI - Fowlerville Sediment Remediation	Description:	Laboratory Services
Client Sample ID:	**FB1113-1**	Sampled:	11/23/09 11:40
Lab Sample ID:	**0911479-07**	Sampled By:	TML
Matrix:	Methanol	Received:	11/24/09 17:50
Unit:	ug/kg wet	Prepared:	12/02/09 By: DLV
Dilution Factor:	1	Analyzed:	12/02/09 By: DLV
QC Batch:	0914596	Analytical Batch:	9L03011

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
95-63-6	1,2,4-Trimethylbenzene	50U	50	14
108-67-8	1,3,5-Trimethylbenzene	50U	50	13
75-01-4	Vinyl Chloride	50U	50	12
136777-61-2	Xylene, Meta + Para	100U	100	29
95-47-6	Xylene, Ortho	50U	50	14
1330-20-7	Xylene (Total)	150U	150	43

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	95	*75-123*
1,2-Dichloroethane-d4	107	*83-116*
Toluene-d8	97	*85-113*
4-Bromofluorobenzene	96	*81-117*

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QUALITY CONTROL REPORT

Polychlorinated Biphenyls (PCBs) by EPA Method 8082

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
QC Batch: 0914059 3550B Sonication Extraction/USEPA-8082									
Method Blank					Analyzed:		12/02/2009	By: MSZ	
Unit: ug/kg wet					Analytical Batch:		9L03021		
PCB-1016			330 U					330	4.2
PCB-1221			330 U					330	7.8
PCB-1232			330 U					330	4.5
PCB-1242			330 U					330	4.6
PCB-1248			330 U					330	6.5
PCB-1254			330 U					330	5.9
PCB-1260			330 U					330	5.0
Surrogates:									
Decachlorobiphenyl				*95*	*48-136*				
Tetrachloro-m-xylene				*92*	*61-123*				
Method Blank					Analyzed:		12/07/2009	By: MSZ	
Unit: ug/kg wet					Analytical Batch:		9L07053		
PCB-1016			17 U					17	4.2
PCB-1221			17 U					17	7.8
PCB-1232			17 U					17	4.5
PCB-1242			17 U					17	4.6
PCB-1248			17 U					17	6.5
PCB-1254			17 U					17	5.9
PCB-1260			17 U					17	5.0
Surrogates:									
Decachlorobiphenyl				*91*	*48-136*				
Tetrachloro-m-xylene				*100*	*61-123*				
Laboratory Control Sample					Analyzed:		12/02/2009	By: MSZ	
Unit: ug/kg wet					Analytical Batch:		9L03021		
PCB-1242		167	**126**	76	73-118			330	4.6
Surrogates:									
Decachlorobiphenyl				*79*	*48-136*				
Tetrachloro-m-xylene				*89*	*61-123*				
Laboratory Control Sample					Analyzed:		12/07/2009	By: MSZ	
Unit: ug/kg wet					Analytical Batch:		9L07053		
PCB-1248		167	**133**	80	55-139			17	6.5
Surrogates:									
Decachlorobiphenyl				*90*	*48-136*				

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QUALITY CONTROL REPORT

Polychlorinated Biphenyls (PCBs) by EPA Method 8082 (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
QC Batch: 0914059 (Continued) 3550B Sonication Extraction/USEPA-8082									
Laboratory Control Sample (Continued)					Analyzed:		12/07/2009	By: MSZ	
Unit: ug/kg wet					Analytical Batch:		9L07053		
Surrogates (Continued):									
Tetrachloro-m-xylene				*97*	*61-123*				
Matrix Spike 0911425-02 P-09-SD-1B					Analyzed:		12/02/2009	By: MSZ	
Unit: ug/kg dry					Analytical Batch:		9L03021		
PCB-1242	420 U	213	**190**	90	50-139			420	5.9
Surrogates:									
Decachlorobiphenyl				*106*	*48-136*				
Tetrachloro-m-xylene				*99*	*61-123*				
Matrix Spike Duplicate 0911425-02 P-09-SD-1B					Analyzed:		12/02/2009	By: MSZ	
Unit: ug/kg dry					Analytical Batch:		9L03021		
PCB-1242	420 U	215	**181**	84	50-139	5	30	420	5.9
Surrogates:									
Decachlorobiphenyl				*106*	*48-136*				
Tetrachloro-m-xylene				*95*	*61-123*				
QC Batch: 0914457 3550B Sonication Extraction/USEPA-8082									
Method Blank					Analyzed:		12/02/2009	By: MSZ	
Unit: ug/kg wet					Analytical Batch:		9L03021		
PCB-1016			330 U					330	4.2
PCB-1221			330 U					330	7.8
PCB-1232			330 U					330	4.5
PCB-1242			330 U					330	4.6
PCB-1248			330 U					330	6.5
PCB-1254			330 U					330	5.9
PCB-1260			330 U					330	5.0
Surrogates:									
Decachlorobiphenyl				*108*	*48-136*				
Tetrachloro-m-xylene				*98*	*61-123*				
Laboratory Control Sample					Analyzed:		12/02/2009	By: MSZ	
Unit: ug/kg wet					Analytical Batch:		9L03021		
PCB-1242		167	**156**	94	73-118			330	4.6
Surrogates:									
Decachlorobiphenyl				*108*	*48-136*				

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QUALITY CONTROL REPORT

Polychlorinated Biphenyls (PCBs) by EPA Method 8082 (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
QC Batch: 0914457 (Continued) 3550B Sonication Extraction/USEPA-8082									
Laboratory Control Sample (Continued)					Analyzed:		12/02/2009	By: MSZ	
Unit: ug/kg wet					Analytical Batch:		9L03021		
Surrogates (Continued):									
Tetrachloro-m-xylene				*100*	*61-123*				
Matrix Spike 0911425-07 O-09-SD-1B					Analyzed:		12/03/2009	By: MSZ	
Unit: ug/kg dry					Analytical Batch:		9L03062		
PCB-1242	420 U	211	**192**	91	50-139			420	5.8
Surrogates:									
Decachlorobiphenyl				*89*	*48-136*				
Tetrachloro-m-xylene				*95*	*61-123*				
Matrix Spike Duplicate 0911425-07 O-09-SD-1B					Analyzed:		12/04/2009	By: MSZ	
Unit: ug/kg dry					Analytical Batch:		9L03062		
PCB-1242	420 U	209	**199**	95	50-139	4	30	420	5.8
Surrogates:									
Decachlorobiphenyl				*94*	*48-136*				
Tetrachloro-m-xylene				*100*	*61-123*				

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B

QC Batch: 0914473 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank Analyzed: 11/25/2009 By: JDM
Unit: ug/kg wet Analytical Batch: 9L01012

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Acetone			**140 J**					750	81
Acrolein			250 U					250	49
Benzene			50 U					50	14
Bromobenzene			50 U					50	11
Bromochloromethane			50 U					50	11
Bromodichloromethane			50 U					50	8.4
Bromoform			50 U					50	25
Bromomethane			50 U					50	31
n-Butylbenzene			50 U					50	14
sec-Butylbenzene			50 U					50	15
tert-Butylbenzene			50 U					50	15
Carbon Disulfide			250 U					250	14
Carbon Tetrachloride			50 U					50	11
Chlorobenzene			50 U					50	11
Chloroethane			50 U					50	22
Chloroform			50 U					50	11
Chloromethane			50 U					50	15
2-Chlorotoluene			50 U					50	14
4-Chlorotoluene			50 U					50	14
1,2-Dibromo-3-chloropropane			250 U					250	17
Dibromochloromethane			50 U					50	25
1,2-Dibromoethane			50 U					50	9.2
Dibromomethane			50 U					50	10
1,2-Dichlorobenzene			50 U					50	12
1,3-Dichlorobenzene			50 U					50	14
1,4-Dichlorobenzene			50 U					50	14
Dichlorodifluoromethane			50 U					50	9.4
1,1-Dichloroethane			50 U					50	12
1,2-Dichloroethane			50 U					50	8.6
1,1-Dichloroethene			50 U					50	14
cis-1,2-Dichloroethene			50 U					50	11
trans-1,2-Dichloroethene			50 U					50	17
1,2-Dichloroethene (Total)			100 U					100	27
1,2-Dichloropropane			50 U					50	11
1,3-Dichloropropane			50 U					50	8.1
2,2-Dichloropropane			50 U					50	14

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
QC Batch: 0914473 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B									
Method Blank (Continued)					Analyzed:		11/25/2009	By: JDM	
Unit: ug/kg wet					Analytical Batch:		9L01012		
1,1-Dichloropropene			50 U					50	16
cis-1,3-Dichloropropene			50 U					50	9.1
trans-1,3-Dichloropropene			50 U					50	7.0
Ethylbenzene			50 U					50	15
Hexachlorobutadiene			50 U					50	20
2-Hexanone			2500 U					2500	26
Isopropylbenzene			50 U					50	14
4-Isopropyltoluene			50 U					50	15
Methyl tert-Butyl Ether			50 U					50	6.9
Methylene Chloride			**16 J**					250	10
2-Butanone (MEK)			2500 U					2500	25
4-Methyl-2-pentanone (MIBK)			2500 U					2500	24
Naphthalene			250 U					250	21
n-Propylbenzene			50 U					50	16
Styrene			50 U					50	9.4
1,1,1,2-Tetrachloroethane			50 U					50	8.9
1,1,2,2-Tetrachloroethane			50 U					50	14
Tetrachloroethene			50 U					50	19
Toluene			50 U					50	15
1,2,3-Trichlorobenzene			50 U					50	10
1,2,4-Trichlorobenzene			50 U					50	18
1,1,1-Trichloroethane			50 U					50	16
1,1,2-Trichloroethane			50 U					50	25
Trichloroethene			50 U					50	18
Trichlorofluoromethane			50 U					50	16
1,2,3-Trichloropropane			50 U					50	22
1,2,4-Trimethylbenzene			50 U					50	14
1,3,5-Trimethylbenzene			50 U					50	13
Vinyl Chloride			50 U					50	12
Xylene, Meta + Para			100 U					100	29
Xylene, Ortho			50 U					50	14
Xylene (Total)			150 U					150	43
Method Blank					Analyzed:		11/25/2009	By: JDM	
Unit: ug/L					Analytical Batch:		9L01012		
Surrogates:									
Dibromofluoromethane				*99*	*75-123*				

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 0914473 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 11/25/2009 By: JDM
Unit: ug/L Analytical Batch: 9L01012

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Surrogates (Continued):									
1,2-Dichloroethane-d4				*100*	*83-116*				
Toluene-d8				*97*	*85-113*				
4-Bromofluorobenzene				*94*	*81-117*				

Laboratory Control Sample Analyzed: 11/25/2009 By: JDM
Unit: ug/kg wet Analytical Batch: 9L01012

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Acetone		2000	**2220**	111	64-130			750	81
Acrolein		2000	**2050**	102	50-126			250	49
Benzene		2000	**2040**	102	85-118			50	14
Bromobenzene		2000	**2020**	101	89-116			50	11
Bromochloromethane		2000	**2000**	100	81-121			50	11
Bromodichloromethane		2000	**1770**	88	80-123			50	8.4
Bromoform		2000	**1490**	75	58-128			50	25
Bromomethane		2000	**2290**	114	57-139			50	31
n-Butylbenzene		2000	**1910**	96	75-125			50	14
sec-Butylbenzene		2000	**1920**	96	84-121			50	15
tert-Butylbenzene		2000	**1910**	96	86-121			50	15
Carbon Disulfide		2000	**1700**	85	65-138			250	14
Carbon Tetrachloride		2000	**1880**	94	76-125			50	11
Chlorobenzene		2000	**2020**	101	86-114			50	11
Chloroethane		2000	**2020**	101	76-123			50	22
Chloroform		2000	**2040**	102	86-118			50	11
Chloromethane		2000	**1870**	94	73-123			50	15
2-Chlorotoluene		2000	**2140**	107	88-119			50	14
4-Chlorotoluene		2000	**2100**	105	84-119			50	14
1,2-Dibromo-3-chloropropane		2000	**1620**	81	51-132			250	17
Dibromochloromethane		2000	**1640**	82	72-119			50	25
1,2-Dibromoethane		2000	**2130**	107	81-118			50	9.2
Dibromomethane		2000	**2060**	103	83-117			50	10
1,2-Dichlorobenzene		2000	**2040**	102	82-124			50	12
1,3-Dichlorobenzene		2000	**2050**	102	85-119			50	14
1,4-Dichlorobenzene		2000	**2010**	101	85-119			50	14
Dichlorodifluoromethane		2000	**1860**	93	68-135			50	9.4
1,1-Dichloroethane		2000	**2040**	102	81-121			50	12
1,2-Dichloroethane		2000	**1960**	98	82-119			50	8.6

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 0914473 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Laboratory Control Sample (Continued) Analyzed: 11/25/2009 By: JDM

Unit: ug/kg wet Analytical Batch: 9L01012

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
1,1-Dichloroethene		2000	**2050**	103	80-121			50	14
cis-1,2-Dichloroethene		2000	**2160**	108	85-118			50	11
trans-1,2-Dichloroethene		2000	**2070**	103	85-117			50	17
1,2-Dichloroethene (Total)		4000	**4230**	106	86-116			100	27
1,2-Dichloropropane		2000	**2060**	103	80-122			50	11
1,3-Dichloropropane		2000	**2020**	101	84-114			50	8.1
2,2-Dichloropropane		2000	**2180**	109	56-132			50	14
1,1-Dichloropropene		2000	**2190**	109	86-119			50	16
cis-1,3-Dichloropropene		2000	**1960**	98	79-121			50	9.1
trans-1,3-Dichloropropene		2000	**1940**	97	73-125			50	7.0
Ethylbenzene		2000	**2090**	104	84-116			50	15
Hexachlorobutadiene		2000	**2000**	100	60-135			50	20
2-Hexanone		2000	**1810**	91	63-131			2500	26
Isopropylbenzene		2000	**1870**	94	82-125			50	14
4-Isopropyltoluene		2000	**1930**	97	82-122			50	15
Methyl tert-Butyl Ether		2000	**2150**	107	81-119			50	6.9
Methylene Chloride		2000	**1810**	90	78-123			250	10
2-Butanone (MEK)		2000	**2100**	105	68-130			2500	25
4-Methyl-2-pentanone (MIBK)		2000	**1960**	98	68-133			2500	24
Naphthalene		2000	**1750**	88	53-133			250	21
n-Propylbenzene		2000	**1950**	98	85-121			50	16
Styrene		2000	**1900**	95	79-115			50	9.4
1,1,1,2-Tetrachloroethane		2000	**1820**	91	83-116			50	8.9
1,1,2,2-Tetrachloroethane		2000	**2030**	102	75-125			50	14
Tetrachloroethene		2000	**2080**	104	85-116			50	19
Toluene		2000	**2090**	104	86-120			50	15
1,2,3-Trichlorobenzene		2000	**1770**	89	66-129			50	10
1,2,4-Trichlorobenzene		2000	**1880**	94	66-133			50	18
1,1,1-Trichloroethane		2000	**1970**	98	84-121			50	16
1,1,2-Trichloroethane		2000	**2090**	104	85-120			50	25
Trichloroethene		2000	**2080**	104	83-125			50	18
Trichlorofluoromethane		2000	**3140**	**157**	82-123			50	16
1,2,3-Trichloropropane		2000	**2010**	100	73-125			50	22
1,2,4-Trimethylbenzene		2000	**1920**	96	85-118			50	14
1,3,5-Trimethylbenzene		2000	**1930**	97	85-119			50	13
Vinyl Chloride		2000	**1980**	99	77-124			50	12

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
QC Batch: 0914473 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B									
Laboratory Control Sample (Continued)					Analyzed:		11/25/2009	By: JDM	
Unit: ug/kg wet					Analytical Batch:		9L01012		
Xylene, Meta + Para		4000	**3960**	99	84-118			100	29
Xylene, Ortho		2000	**1920**	96	85-115			50	14
Xylene (Total)		6000	**5880**	98	84-117			150	43
Laboratory Control Sample					Analyzed:		11/25/2009	By: JDM	
Unit: ug/L					Analytical Batch:		9L01012		
Surrogates:									
Dibromofluoromethane				*99*	*75-123*				
1,2-Dichloroethane-d4				*94*	*83-116*				
Toluene-d8				*102*	*85-113*				
4-Bromofluorobenzene				*96*	*81-117*				
Matrix Spike 0911425-01 P-09-SD-1A					Analyzed:		11/25/2009	By: JDM	
Unit: ug/kg dry					Analytical Batch:		9L01012		
Acetone	322 J	2410	**2590**	94	56-144			900	97
Acrolein	300 U	2410	**2080**	86	38-108			300	59
Benzene	60 U	2410	**2390**	99	85-125			60	17
Bromobenzene	60 U	2410	**2260**	94	82-115			60	13
Bromochloromethane	60 U	2410	**2260**	94	85-126			60	13
Bromodichloromethane	60 U	2410	**2060**	85	78-124			60	10
Bromoform	60 U	2410	**1630**	**67**	75-118			60	30
Bromomethane	60 U	2410	**2690**	112	70-135			60	37
n-Butylbenzene	60 U	2410	**2160**	90	71-122			60	17
sec-Butylbenzene	60 U	2410	**2240**	93	84-117			60	19
tert-Butylbenzene	60 U	2410	**2210**	92	84-118			60	18
Carbon Disulfide	300 U	2410	**2210**	92	45-108			300	17
Carbon Tetrachloride	60 U	2410	**2210**	92	71-130			60	13
Chlorobenzene	60 U	2410	**2310**	96	86-118			60	13
Chloroethane	60 U	2410	**2430**	101	32-136			60	27
Chloroform	60 U	2410	**2380**	99	86-126			60	14
Chloromethane	60 U	2410	**2300**	95	70-142			60	18
2-Chlorotoluene	60 U	2410	**2390**	99	82-119			60	16
4-Chlorotoluene	60 U	2410	**2360**	98	79-115			60	17
1,2-Dibromo-3-chloropropane	300 U	2410	**1710**	71	69-125			300	21
Dibromochloromethane	60 U	2410	**1810**	75	57-121			60	30
1,2-Dibromoethane	60 U	2410	**2330**	97	72-124			60	11
Dibromomethane	60 U	2410	**2340**	97	86-119			60	13

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 0914473 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Matrix Spike (Continued) 0911425-01 P-09-SD-1A — Analyzed: 11/25/2009 By: JDM

Unit: ug/kg dry — Analytical Batch: 9L01012

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
1,2-Dichlorobenzene	60 U	2410	**2300**	95	85-121			60	14
1,3-Dichlorobenzene	60 U	2410	**2310**	96	86-116			60	16
1,4-Dichlorobenzene	60 U	2410	**2270**	94	87-115			60	16
Dichlorodifluoromethane	60 U	2410	**2210**	92	65-133			60	11
1,1-Dichloroethane	60 U	2410	**2370**	98	85-127			60	15
1,2-Dichloroethane	60 U	2410	**2230**	92	82-125			60	10
1,1-Dichloroethene	60 U	2410	**2470**	103	81-135			60	17
cis-1,2-Dichloroethene	60 U	2410	**2480**	103	88-125			60	13
trans-1,2-Dichloroethene	60 U	2410	**2480**	103	81-135			60	20
1,2-Dichloroethene (Total)	120 U	4820	**4960**	103	93-127			120	33
1,2-Dichloropropane	60 U	2410	**2390**	99	78-132			60	13
1,3-Dichloropropane	60 U	2410	**2240**	93	70-121			60	9.7
2,2-Dichloropropane	60 U	2410	**2270**	94	43-124			60	17
1,1-Dichloropropene	60 U	2410	**2560**	106	82-129			60	20
cis-1,3-Dichloropropene	60 U	2410	**2180**	91	70-124			60	11
trans-1,3-Dichloropropene	60 U	2410	**2100**	87	63-122			60	8.4
Ethylbenzene	60 U	2410	**2390**	99	80-122			60	18
Hexachlorobutadiene	60 U	2410	**2360**	98	78-134			60	25
2-Hexanone	3000 U	2410	**2110**	87	49-135			3000	32
Isopropylbenzene	60 U	2410	**2160**	89	84-120			60	17
4-Isopropyltoluene	60 U	2410	**2210**	92	82-116			60	18
Methyl tert-Butyl Ether	60 U	2410	**2400**	99	63-134			60	8.4
Methylene Chloride	31.3 J	2410	**2130**	87	78-139			300	12
2-Butanone (MEK)	3000 U	2410	**2010**	83	49-152			3000	30
4-Methyl-2-pentanone (MIBK)	3000 U	2410	**2290**	95	60-134			3000	29
Naphthalene	300 U	2410	**1840**	76	67-119			300	25
n-Propylbenzene	60 U	2410	**2250**	93	73-124			60	19
Styrene	60 U	2410	**2160**	90	80-117			60	11
1,1,1,2-Tetrachloroethane	60 U	2410	**2040**	85	82-116			60	11
1,1,2,2-Tetrachloroethane	60 U	2410	**2170**	90	64-122			60	17
Tetrachloroethene	60 U	2410	**2390**	99	74-130			60	23
Toluene	60 U	2410	**2420**	100	81-128			60	18
1,2,3-Trichlorobenzene	60 U	2410	**2000**	83	77-126			60	12
1,2,4-Trichlorobenzene	60 U	2410	**2120**	88	76-131			60	21
1,1,1-Trichloroethane	60 U	2410	**2330**	97	84-126			60	19
1,1,2-Trichloroethane	60 U	2410	**2350**	97	81-124			60	30

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 0914473 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Matrix Spike (Continued) 0911425-01 P-09-SD-1A — Analyzed: 11/25/2009 By: JDM
Unit: ug/kg dry — Analytical Batch: 9L01012

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Trichloroethene	60 U	2410	**2450**	102	90-130			60	21
Trichlorofluoromethane	60 U	2410	**3750**	155	50-155			60	19
1,2,3-Trichloropropane	60 U	2410	**2130**	88	69-114			60	26
1,2,4-Trimethylbenzene	60 U	2410	**2190**	91	79-114			60	17
1,3,5-Trimethylbenzene	60 U	2410	**2210**	92	83-112			60	15
Vinyl Chloride	60 U	2410	**2410**	100	63-148			60	15
Xylene, Meta + Para	120 U	4820	**4490**	93	77-128			120	35
Xylene, Ortho	60 U	2410	**2220**	92	83-121			60	17
Xylene (Total)	180 U	7230	**6710**	93	80-123			180	51

Matrix Spike 0911425-01 P-09-SD-1A — Analyzed: 11/25/2009 By: JDM
Unit: ug/L — Analytical Batch: 9L01012

Surrogates:		
Dibromofluoromethane	*99*	*75-123*
1,2-Dichloroethane-d4	*97*	*83-116*
Toluene-d8	*103*	*85-113*
4-Bromofluorobenzene	*96*	*81-117*

Matrix Spike Duplicate 0911425-01 P-09-SD-1A — Analyzed: 11/25/2009 By: JDM
Unit: ug/kg dry — Analytical Batch: 9L01012

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Acetone	322 J	2410	**2730**	100	56-144	5	18	900	97
Acrolein	300 U	2410	**2150**	89	38-108	3	9	300	59
Benzene	60 U	2410	**2410**	100	85-125	0.8	9	60	17
Bromobenzene	60 U	2410	**2300**	95	82-115	2	11	60	13
Bromochloromethane	60 U	2410	**2270**	94	85-126	0.6	10	60	13
Bromodichloromethane	60 U	2410	**2070**	86	78-124	0.8	9	60	10
Bromoform	60 U	2410	**1630**	**68**	75-118	0.3	11	60	30
Bromomethane	60 U	2410	**2600**	108	70-135	3	24	60	37
n-Butylbenzene	60 U	2410	**2150**	89	71-122	0.5	12	60	17
sec-Butylbenzene	60 U	2410	**2260**	94	84-117	0.8	10	60	19
tert-Butylbenzene	60 U	2410	**2250**	93	84-118	2	12	60	18
Carbon Disulfide	300 U	2410	**2490**	103	45-108	12	21	300	17
Carbon Tetrachloride	60 U	2410	**2240**	93	71-130	1	14	60	13
Chlorobenzene	60 U	2410	**2290**	95	86-118	1	11	60	13
Chloroethane	60 U	2410	**2490**	103	32-136	2	21	60	27
Chloroform	60 U	2410	**2390**	99	86-126	0.2	7	60	14
Chloromethane	60 U	2410	**2280**	95	70-142	0.6	15	60	18

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 0914473 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Matrix Spike Duplicate (Continued) 0911425-01 P-09-SD-1A — Analyzed: 11/25/2009 By: JDM

Unit: ug/kg dry — Analytical Batch: 9L01012

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
2-Chlorotoluene	60 U	2410	**2450**	101	82-119	2	20	60	16
4-Chlorotoluene	60 U	2410	**2410**	100	79-115	2	11	60	17
1,2-Dibromo-3-chloropropane	300 U	2410	**1740**	72	69-125	2	11	300	21
Dibromochloromethane	60 U	2410	**1820**	75	57-121	0.3	12	60	30
1,2-Dibromoethane	60 U	2410	**2300**	95	72-124	1	11	60	11
Dibromomethane	60 U	2410	**2330**	97	86-119	0.5	7	60	13
1,2-Dichlorobenzene	60 U	2410	**2330**	97	85-121	2	10	60	14
1,3-Dichlorobenzene	60 U	2410	**2360**	98	86-116	2	8	60	16
1,4-Dichlorobenzene	60 U	2410	**2280**	95	87-115	0.6	9	60	16
Dichlorodifluoromethane	60 U	2410	**2130**	88	65-133	3	12	60	11
1,1-Dichloroethane	60 U	2410	**2420**	100	85-127	2	9	60	15
1,2-Dichloroethane	60 U	2410	**2220**	92	82-125	0.08	8	60	10
1,1-Dichloroethene	60 U	2410	**2450**	102	81-135	1	11	60	17
cis-1,2-Dichloroethene	60 U	2410	**2500**	104	88-125	0.4	9	60	13
trans-1,2-Dichloroethene	60 U	2410	**2490**	103	81-135	0.5	10	60	20
1,2-Dichloroethene (Total)	120 U	4820	**4980**	103	93-127	0.5	7	120	33
1,2-Dichloropropane	60 U	2410	**2420**	101	78-132	2	11	60	13
1,3-Dichloropropane	60 U	2410	**2220**	92	70-121	0.8	8	60	9.7
2,2-Dichloropropane	60 U	2410	**2330**	97	43-124	2	9	60	17
1,1-Dichloropropene	60 U	2410	**2560**	106	82-129	0.1	9	60	20
cis-1,3-Dichloropropene	60 U	2410	**2240**	93	70-124	3	10	60	11
trans-1,3-Dichloropropene	60 U	2410	**2150**	89	63-122	3	9	60	8.4
Ethylbenzene	60 U	2410	**2390**	99	80-122	0.3	10	60	18
Hexachlorobutadiene	60 U	2410	**2360**	98	78-134	0.2	14	60	25
2-Hexanone	3000 U	2410	**2170**	90	49-135	3	16	3000	32
Isopropylbenzene	60 U	2410	**2220**	92	84-120	3	9	60	17
4-Isopropyltoluene	60 U	2410	**2230**	93	82-116	1	13	60	18
Methyl tert-Butyl Ether	60 U	2410	**2400**	99	63-134	0.03	11	60	8.4
Methylene Chloride	31.3 J	2410	**2130**	87	78-139	0.08	9	300	12
2-Butanone (MEK)	3000 U	2410	**2180**	90	49-152	8	16	3000	30
4-Methyl-2-pentanone (MIBK)	3000 U	2410	**2470**	102	60-134	8	17	3000	29
Naphthalene	300 U	2410	**1950**	81	67-119	6	15	300	25
n-Propylbenzene	60 U	2410	**2260**	94	73-124	0.5	8	60	19
Styrene	60 U	2410	**2150**	89	80-117	0.5	10	60	11
1,1,1,2-Tetrachloroethane	60 U	2410	**2060**	85	82-116	1	10	60	11
1,1,2,2-Tetrachloroethane	60 U	2410	**2190**	91	64-122	0.7	14	60	17

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 0914473 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Matrix Spike Duplicate (Continued) 0911425-01 P-09-SD-1A — Analyzed: 11/25/2009 By: JDM
Unit: ug/kg dry — Analytical Batch: 9L01012

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Tetrachloroethene	60 U	2410	**2380**	99	74-130	0.3	11	60	23
Toluene	60 U	2410	**2430**	101	81-128	0.3	10	60	18
1,2,3-Trichlorobenzene	60 U	2410	**2010**	84	77-126	0.9	16	60	12
1,2,4-Trichlorobenzene	60 U	2410	**2180**	90	76-131	3	11	60	21
1,1,1-Trichloroethane	60 U	2410	**2380**	99	84-126	2	9	60	19
1,1,2-Trichloroethane	60 U	2410	**2330**	97	81-124	0.7	8	60	30
Trichloroethene	60 U	2410	**2470**	102	90-130	0.9	12	60	21
Trichlorofluoromethane	60 U	2410	**3780**	**157**	50-155	0.8	13	60	19
1,2,3-Trichloropropane	60 U	2410	**2180**	90	69-114	3	14	60	26
1,2,4-Trimethylbenzene	60 U	2410	**2210**	92	79-114	0.7	11	60	17
1,3,5-Trimethylbenzene	60 U	2410	**2250**	93	83-112	2	12	60	15
Vinyl Chloride	60 U	2410	**2390**	99	63-148	0.8	11	60	15
Xylene, Meta + Para	120 U	4820	**4470**	93	77-128	0.5	10	120	35
Xylene, Ortho	60 U	2410	**2210**	92	83-121	0.5	9	60	17
Xylene (Total)	180 U	7230	**6680**	92	80-123	0.5	10	180	51

Matrix Spike Duplicate 0911425-01 P-09-SD-1A — Analyzed: 11/25/2009 By: JDM
Unit: ug/L — Analytical Batch: 9L01012

Surrogates:		
Dibromofluoromethane	*100*	*75-123*
1,2-Dichloroethane-d4	*95*	*83-116*
Toluene-d8	*103*	*85-113*
4-Bromofluorobenzene	*94*	*81-117*

QC Batch: 0914477 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank — Analyzed: 11/26/2009 By: JDM
Unit: ug/kg wet — Analytical Batch: 9L01014

Acetone	**84 J**	750	81
Acrolein	250 U	250	49
Benzene	50 U	50	14
Bromobenzene	50 U	50	11
Bromochloromethane	50 U	50	11
Bromodichloromethane	50 U	50	8.4
Bromoform	50 U	50	25
Bromomethane	50 U	50	31
n-Butylbenzene	50 U	50	14

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 0914477 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 11/26/2009 By: JDM
Unit: ug/kg wet Analytical Batch: 9L01014

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
sec-Butylbenzene			50 U					50	15
tert-Butylbenzene			50 U					50	15
Carbon Disulfide			250 U					250	14
Carbon Tetrachloride			50 U					50	11
Chlorobenzene			50 U					50	11
Chloroethane			50 U					50	22
Chloroform			50 U					50	11
Chloromethane			50 U					50	15
2-Chlorotoluene			50 U					50	14
4-Chlorotoluene			50 U					50	14
1,2-Dibromo-3-chloropropane			250 U					250	17
Dibromochloromethane			50 U					50	25
1,2-Dibromoethane			50 U					50	9.2
Dibromomethane			50 U					50	10
1,2-Dichlorobenzene			50 U					50	12
1,3-Dichlorobenzene			50 U					50	14
1,4-Dichlorobenzene			50 U					50	14
Dichlorodifluoromethane			50 U					50	9.4
1,1-Dichloroethane			50 U					50	12
1,2-Dichloroethane			50 U					50	8.6
1,1-Dichloroethene			50 U					50	14
cis-1,2-Dichloroethene			50 U					50	11
trans-1,2-Dichloroethene			50 U					50	17
1,2-Dichloroethene (Total)			100 U					100	27
1,2-Dichloropropane			50 U					50	11
1,3-Dichloropropane			50 U					50	8.1
2,2-Dichloropropane			50 U					50	14
1,1-Dichloropropene			50 U					50	16
cis-1,3-Dichloropropene			50 U					50	9.1
trans-1,3-Dichloropropene			50 U					50	7.0
Ethylbenzene			50 U					50	15
Hexachlorobutadiene			50 U					50	20
2-Hexanone			2500 U					2500	26
Isopropylbenzene			50 U					50	14
4-Isopropyltoluene			50 U					50	15
Methyl tert-Butyl Ether			50 U					50	6.9

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 0914477 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 11/26/2009 By: JDM
Unit: ug/kg wet Analytical Batch: 9L01014

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Methylene Chloride			**15 J**					250	10
2-Butanone (MEK)			2500 U					2500	25
4-Methyl-2-pentanone (MIBK)			2500 U					2500	24
Naphthalene			250 U					250	21
n-Propylbenzene			50 U					50	16
Styrene			50 U					50	9.4
1,1,1,2-Tetrachloroethane			50 U					50	8.9
1,1,2,2-Tetrachloroethane			50 U					50	14
Tetrachloroethene			50 U					50	19
Toluene			50 U					50	15
1,2,3-Trichlorobenzene			50 U					50	10
1,2,4-Trichlorobenzene			50 U					50	18
1,1,1-Trichloroethane			50 U					50	16
1,1,2-Trichloroethane			50 U					50	25
Trichloroethene			50 U					50	18
Trichlorofluoromethane			50 U					50	16
1,2,3-Trichloropropane			50 U					50	22
1,2,4-Trimethylbenzene			50 U					50	14
1,3,5-Trimethylbenzene			50 U					50	13
Vinyl Chloride			50 U					50	12
Xylene, Meta + Para			100 U					100	29
Xylene, Ortho			50 U					50	14
Xylene (Total)			150 U					150	43

Method Blank Analyzed: 11/26/2009 By: JDM
Unit: ug/L Analytical Batch: 9L01014

Surrogates:		
Dibromofluoromethane	*100*	*75-123*
1,2-Dichloroethane-d4	*101*	*83-116*
Toluene-d8	*97*	*85-113*
4-Bromofluorobenzene	*93*	*81-117*

Laboratory Control Sample Analyzed: 11/25/2009 By: JDM
Unit: ug/kg wet Analytical Batch: 9L01014

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Acetone		2000	**1970**	99	64-130			750	81
Acrolein		2000	**1820**	91	50-126			250	49
Benzene		2000	**2030**	101	85-118			50	14

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 0914477 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Laboratory Control Sample (Continued) Analyzed: 11/25/2009 By: JDM

Unit: ug/kg wet Analytical Batch: 9L01014

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Bromobenzene		2000	**2000**	100	89-116			50	11
Bromochloromethane		2000	**1990**	99	81-121			50	11
Bromodichloromethane		2000	**1820**	91	80-123			50	8.4
Bromoform		2000	**1520**	76	58-128			50	25
Bromomethane		2000	**2410**	121	57-139			50	31
n-Butylbenzene		2000	**1810**	90	75-125			50	14
sec-Butylbenzene		2000	**1870**	94	84-121			50	15
tert-Butylbenzene		2000	**1880**	94	86-121			50	15
Carbon Disulfide		2000	**1800**	90	65-138			250	14
Carbon Tetrachloride		2000	**1890**	94	76-125			50	11
Chlorobenzene		2000	**2000**	100	86-114			50	11
Chloroethane		2000	**2280**	114	76-123			50	22
Chloroform		2000	**2050**	102	86-118			50	11
Chloromethane		2000	**1840**	92	73-123			50	15
2-Chlorotoluene		2000	**2070**	103	88-119			50	14
4-Chlorotoluene		2000	**2040**	102	84-119			50	14
1,2-Dibromo-3-chloropropane		2000	**1580**	79	51-132			250	17
Dibromochloromethane		2000	**1690**	84	72-119			50	25
1,2-Dibromoethane		2000	**2110**	105	81-118			50	9.2
Dibromomethane		2000	**2040**	102	83-117			50	10
1,2-Dichlorobenzene		2000	**1990**	100	82-124			50	12
1,3-Dichlorobenzene		2000	**2020**	101	85-119			50	14
1,4-Dichlorobenzene		2000	**1960**	98	85-119			50	14
Dichlorodifluoromethane		2000	**1750**	87	68-135			50	9.4
1,1-Dichloroethane		2000	**2100**	105	81-121			50	12
1,2-Dichloroethane		2000	**1960**	98	82-119			50	8.6
1,1-Dichloroethene		2000	**2070**	103	80-121			50	14
cis-1,2-Dichloroethene		2000	**2130**	106	85-118			50	11
trans-1,2-Dichloroethene		2000	**2100**	105	85-117			50	17
1,2-Dichloroethene (Total)		4000	**4220**	106	86-116			100	27
1,2-Dichloropropane		2000	**2070**	103	80-122			50	11
1,3-Dichloropropane		2000	**1990**	100	84-114			50	8.1
2,2-Dichloropropane		2000	**2030**	102	56-132			50	14
1,1-Dichloropropene		2000	**2120**	106	86-119			50	16
cis-1,3-Dichloropropene		2000	**1940**	97	79-121			50	9.1
trans-1,3-Dichloropropene		2000	**1900**	95	73-125			50	7.0

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 0914477 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Laboratory Control Sample (Continued) Analyzed: 11/25/2009 By: JDM
Unit: ug/kg wet Analytical Batch: 9L01014

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Ethylbenzene		2000	**2060**	103	84-116			50	15
Hexachlorobutadiene		2000	**1860**	93	60-135			50	20
2-Hexanone		2000	**1730**	87	63-131			2500	26
Isopropylbenzene		2000	**1850**	93	82-125			50	14
4-Isopropyltoluene		2000	**1870**	94	82-122			50	15
Methyl tert-Butyl Ether		2000	**2130**	107	81-119			50	6.9
Methylene Chloride		2000	**1840**	92	78-123			250	10
2-Butanone (MEK)		2000	**1780**	89	68-130			2500	25
4-Methyl-2-pentanone (MIBK)		2000	**1880**	94	68-133			2500	24
Naphthalene		2000	**1640**	82	53-133			250	21
n-Propylbenzene		2000	**1910**	96	85-121			50	16
Styrene		2000	**1870**	94	79-115			50	9.4
1,1,1,2-Tetrachloroethane		2000	**1820**	91	83-116			50	8.9
1,1,2,2-Tetrachloroethane		2000	**1930**	97	75-125			50	14
Tetrachloroethene		2000	**2080**	104	85-116			50	19
Toluene		2000	**2050**	103	86-120			50	15
1,2,3-Trichlorobenzene		2000	**1710**	85	66-129			50	10
1,2,4-Trichlorobenzene		2000	**1810**	91	66-133			50	18
1,1,1-Trichloroethane		2000	**1960**	98	84-121			50	16
1,1,2-Trichloroethane		2000	**2060**	103	85-120			50	25
Trichloroethene		2000	**2090**	105	83-125			50	18
Trichlorofluoromethane		2000	**3160**	**158**	82-123			50	16
1,2,3-Trichloropropane		2000	**1950**	97	73-125			50	22
1,2,4-Trimethylbenzene		2000	**1900**	95	85-118			50	14
1,3,5-Trimethylbenzene		2000	**1900**	95	85-119			50	13
Vinyl Chloride		2000	**1920**	96	77-124			50	12
Xylene, Meta + Para		4000	**3890**	97	84-118			100	29
Xylene, Ortho		2000	**1900**	95	85-115			50	14
Xylene (Total)		6000	**5790**	97	84-117			150	43

Laboratory Control Sample Analyzed: 11/25/2009 By: JDM
Unit: ug/L Analytical Batch: 9L01014

Surrogates:		
Dibromofluoromethane	*100*	*75-123*
1,2-Dichloroethane-d4	*95*	*83-116*
Toluene-d8	*102*	*85-113*

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 0914477 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Laboratory Control Sample (Continued) Analyzed: 11/25/2009 By: JDM
Unit: ug/L Analytical Batch: 9L01014

Surrogates (Continued):

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
4-Bromofluorobenzene				*94*	*81-117*				

Matrix Spike 0911425-17 N-09-SD-3B Analyzed: 11/26/2009 By: JDM
Unit: ug/kg dry Analytical Batch: 9L01014

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Acetone	296 J	2480	**2850**	103	56-144			990	110
Acrolein	330 U	2480	**2100**	85	38-108			330	64
Benzene	66 U	2480	**2560**	103	85-125			66	19
Bromobenzene	66 U	2480	**2420**	97	82-115			66	15
Bromochloromethane	66 U	2480	**2410**	97	85-126			66	14
Bromodichloromethane	66 U	2480	**2170**	88	78-124			66	11
Bromoform	66 U	2480	**1690**	**68**	75-118			66	33
Bromomethane	66 U	2480	**2780**	112	70-135			66	40
n-Butylbenzene	66 U	2480	**2230**	90	71-122			66	18
sec-Butylbenzene	66 U	2480	**2330**	94	84-117			66	20
tert-Butylbenzene	66 U	2480	**2340**	94	84-118			66	19
Carbon Disulfide	330 U	2480	**2500**	101	45-108			330	19
Carbon Tetrachloride	66 U	2480	**2330**	94	71-130			66	14
Chlorobenzene	66 U	2480	**2460**	99	86-118			66	15
Chloroethane	66 U	2480	**2720**	110	32-136			66	30
Chloroform	66 U	2480	**2530**	102	86-126			66	15
Chloromethane	66 U	2480	**2440**	98	70-142			66	20
2-Chlorotoluene	66 U	2480	**2530**	102	82-119			66	18
4-Chlorotoluene	66 U	2480	**2510**	101	79-115			66	19
1,2-Dibromo-3-chloropropane	330 U	2480	**1720**	69	69-125			330	23
Dibromochloromethane	66 U	2480	**1920**	77	57-121			66	33
1,2-Dibromoethane	66 U	2480	**2380**	96	72-124			66	12
Dibromomethane	66 U	2480	**2430**	98	86-119			66	14
1,2-Dichlorobenzene	66 U	2480	**2490**	100	85-121			66	15
1,3-Dichlorobenzene	66 U	2480	**2470**	100	86-116			66	18
1,4-Dichlorobenzene	66 U	2480	**2420**	98	87-115			66	18
Dichlorodifluoromethane	66 U	2480	**2410**	97	65-133			66	12
1,1-Dichloroethane	66 U	2480	**2620**	106	85-127			66	16
1,2-Dichloroethane	66 U	2480	**2350**	95	82-125			66	11
1,1-Dichloroethene	66 U	2480	**2610**	105	81-135			66	19
cis-1,2-Dichloroethene	66 U	2480	**2630**	106	88-125			66	14

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 0914477 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Matrix Spike (Continued) 0911425-17 N-09-SD-3B — Analyzed: 11/26/2009 By: JDM

Unit: ug/kg dry — Analytical Batch: 9L01014

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
trans-1,2-Dichloroethene	66 U	2480	**2640**	106	81-135			66	22
1,2-Dichloroethene (Total)	130 U	4960	**5260**	106	93-127			130	36
1,2-Dichloropropane	66 U	2480	**2540**	102	78-132			66	14
1,3-Dichloropropane	66 U	2480	**2340**	94	70-121			66	11
2,2-Dichloropropane	66 U	2480	**2170**	88	43-124			66	19
1,1-Dichloropropene	66 U	2480	**2700**	109	82-129			66	21
cis-1,3-Dichloropropene	66 U	2480	**2250**	91	70-124			66	12
trans-1,3-Dichloropropene	66 U	2480	**2150**	87	63-122			66	9.2
Ethylbenzene	66 U	2480	**2510**	101	80-122			66	20
Hexachlorobutadiene	66 U	2480	**2300**	93	78-134			66	27
2-Hexanone	3300 U	2480	**2210**	89	49-135			3300	34
Isopropylbenzene	66 U	2480	**2300**	93	84-120			66	18
4-Isopropyltoluene	66 U	2480	**2320**	93	82-116			66	19
Methyl tert-Butyl Ether	66 U	2480	**2490**	100	63-134			66	9.1
Methylene Chloride	45.3 J	2480	**2280**	90	78-139			330	13
2-Butanone (MEK)	3300 U	2480	**2140**	86	49-152			3300	33
4-Methyl-2-pentanone (MIBK)	3300 U	2480	**2440**	99	60-134			3300	31
Naphthalene	330 U	2480	**1910**	77	67-119			330	27
n-Propylbenzene	66 U	2480	**2360**	95	73-124			66	21
Styrene	66 U	2480	**2280**	92	80-117			66	12
1,1,1,2-Tetrachloroethane	66 U	2480	**2160**	87	82-116			66	12
1,1,2,2-Tetrachloroethane	66 U	2480	**2240**	90	64-122			66	18
Tetrachloroethene	66 U	2480	**2510**	101	74-130			66	25
Toluene	66 U	2480	**2590**	104	81-128			66	19
1,2,3-Trichlorobenzene	66 U	2480	**2020**	81	77-126			66	14
1,2,4-Trichlorobenzene	66 U	2480	**2210**	89	76-131			66	23
1,1,1-Trichloroethane	66 U	2480	**2470**	100	84-126			66	21
1,1,2-Trichloroethane	66 U	2480	**2470**	99	81-124			66	33
Trichloroethene	66 U	2480	**2600**	105	90-130			66	23
Trichlorofluoromethane	66 U	2480	**3970**	**160**	50-155			66	20
1,2,3-Trichloropropane	66 U	2480	**2230**	90	69-114			66	29
1,2,4-Trimethylbenzene	66 U	2480	**2300**	93	79-114			66	19
1,3,5-Trimethylbenzene	66 U	2480	**2340**	95	83-112			66	17
Vinyl Chloride	66 U	2480	**2540**	102	63-148			66	16
Xylene, Meta + Para	130 U	4960	**4740**	96	77-128			130	38
Xylene, Ortho	66 U	2480	**2310**	93	83-121			66	18

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 0914477 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Matrix Spike (Continued) 0911425-17 N-09-SD-3B — Analyzed: 11/26/2009 By: JDM
Unit: ug/kg dry — Analytical Batch: 9L01014

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Xylene (Total)	200 U	7440	**7060**	95	80-123			200	56

Matrix Spike 0911425-17 N-09-SD-3B — Analyzed: 11/26/2009 By: JDM
Unit: ug/L — Analytical Batch: 9L01014

Surrogates:		
Dibromofluoromethane	*101*	*75-123*
1,2-Dichloroethane-d4	*95*	*83-116*
Toluene-d8	*104*	*85-113*
4-Bromofluorobenzene	*96*	*81-117*

Matrix Spike Duplicate 0911425-17 N-09-SD-3B — Analyzed: 11/26/2009 By: JDM
Unit: ug/kg dry — Analytical Batch: 9L01014

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Acetone	296 J	2480	**2890**	105	56-144	1	18	990	110
Acrolein	330 U	2480	**2200**	89	38-108	5	9	330	64
Benzene	66 U	2480	**2630**	106	85-125	3	9	66	19
Bromobenzene	66 U	2480	**2520**	102	82-115	4	11	66	15
Bromochloromethane	66 U	2480	**2530**	102	85-126	5	10	66	14
Bromodichloromethane	66 U	2480	**2290**	92	78-124	5	9	66	11
Bromoform	66 U	2480	**1830**	**74**	75-118	8	11	66	33
Bromomethane	66 U	2480	**2970**	120	70-135	6	24	66	40
n-Butylbenzene	66 U	2480	**2320**	93	71-122	4	12	66	18
sec-Butylbenzene	66 U	2480	**2450**	99	84-117	5	10	66	20
tert-Butylbenzene	66 U	2480	**2440**	98	84-118	4	12	66	19
Carbon Disulfide	330 U	2480	**2620**	106	45-108	5	21	330	19
Carbon Tetrachloride	66 U	2480	**2450**	99	71-130	5	14	66	14
Chlorobenzene	66 U	2480	**2540**	102	86-118	3	11	66	15
Chloroethane	66 U	2480	**2810**	113	32-136	3	21	66	30
Chloroform	66 U	2480	**2590**	104	86-126	3	7	66	15
Chloromethane	66 U	2480	**2510**	101	70-142	3	15	66	20
2-Chlorotoluene	66 U	2480	**2660**	107	82-119	5	20	66	18
4-Chlorotoluene	66 U	2480	**2630**	106	79-115	5	11	66	19
1,2-Dibromo-3-chloropropane	330 U	2480	**1860**	75	69-125	8	11	330	23
Dibromochloromethane	66 U	2480	**2030**	82	57-121	6	12	66	33
1,2-Dibromoethane	66 U	2480	**2510**	101	72-124	5	11	66	12
Dibromomethane	66 U	2480	**2530**	102	86-119	4	7	66	14
1,2-Dichlorobenzene	66 U	2480	**2560**	103	85-121	3	10	66	15
1,3-Dichlorobenzene	66 U	2480	**2570**	104	86-116	4	8	66	18

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 0914477 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Matrix Spike Duplicate (Continued) 0911425-17 N-09-SD-3B — Analyzed: 11/26/2009 By: JDM

Unit: ug/kg dry — Analytical Batch: 9L01014

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
1,4-Dichlorobenzene	66 U	2480	**2530**	102	87-115	4	9	66	18
Dichlorodifluoromethane	66 U	2480	**2400**	97	65-133	0.6	12	66	12
1,1-Dichloroethane	66 U	2480	**2660**	107	85-127	1	9	66	16
1,2-Dichloroethane	66 U	2480	**2350**	95	82-125	0.2	8	66	11
1,1-Dichloroethene	66 U	2480	**2740**	110	81-135	5	11	66	19
cis-1,2-Dichloroethene	66 U	2480	**2750**	111	88-125	4	9	66	14
trans-1,2-Dichloroethene	66 U	2480	**2780**	112	81-135	5	10	66	22
1,2-Dichloroethene (Total)	130 U	4960	**5520**	111	93-127	5	7	130	36
1,2-Dichloropropane	66 U	2480	**2620**	106	78-132	3	11	66	14
1,3-Dichloropropane	66 U	2480	**2420**	98	70-121	3	8	66	11
2,2-Dichloropropane	66 U	2480	**2330**	94	43-124	7	9	66	19
1,1-Dichloropropene	66 U	2480	**2810**	113	82-129	4	9	66	21
cis-1,3-Dichloropropene	66 U	2480	**2380**	96	70-124	6	10	66	12
trans-1,3-Dichloropropene	66 U	2480	**2280**	92	63-122	6	9	66	9.2
Ethylbenzene	66 U	2480	**2640**	106	80-122	5	10	66	20
Hexachlorobutadiene	66 U	2480	**2450**	99	78-134	7	14	66	27
2-Hexanone	3300 U	2480	**2220**	89	49-135	0.4	16	3300	34
Isopropylbenzene	66 U	2480	**2430**	98	84-120	6	9	66	18
4-Isopropyltoluene	66 U	2480	**2420**	98	82-116	4	13	66	19
Methyl tert-Butyl Ether	66 U	2480	**2620**	106	63-134	5	11	66	9.1
Methylene Chloride	45.3 J	2480	**2380**	94	78-139	4	9	330	13
2-Butanone (MEK)	3300 U	2480	**2170**	88	49-152	1	16	3300	33
4-Methyl-2-pentanone (MIBK)	3300 U	2480	**2410**	97	60-134	1	17	3300	31
Naphthalene	330 U	2480	**2040**	82	67-119	6	15	330	27
n-Propylbenzene	66 U	2480	**2460**	99	73-124	4	8	66	21
Styrene	66 U	2480	**2380**	96	80-117	4	10	66	12
1,1,1,2-Tetrachloroethane	66 U	2480	**2290**	92	82-116	6	10	66	12
1,1,2,2-Tetrachloroethane	66 U	2480	**2340**	94	64-122	5	14	66	18
Tetrachloroethene	66 U	2480	**2610**	105	74-130	4	11	66	25
Toluene	66 U	2480	**2670**	108	81-128	3	10	66	19
1,2,3-Trichlorobenzene	66 U	2480	**2150**	87	77-126	6	16	66	14
1,2,4-Trichlorobenzene	66 U	2480	**2290**	92	76-131	3	11	66	23
1,1,1-Trichloroethane	66 U	2480	**2580**	104	84-126	4	9	66	21
1,1,2-Trichloroethane	66 U	2480	**2550**	103	81-124	3	8	66	33
Trichloroethene	66 U	2480	**2740**	111	90-130	6	12	66	23
Trichlorofluoromethane	66 U	2480	**4080**	**164**	50-155	3	13	66	20

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 0914477 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Matrix Spike Duplicate (Continued) 0911425-17 N-09-SD-3B — Analyzed: 11/26/2009 By: JDM
Unit: ug/kg dry — Analytical Batch: 9L01014

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
1,2,3-Trichloropropane	66 U	2480	**2370**	95	69-114	6	14	66	29
1,2,4-Trimethylbenzene	66 U	2480	**2410**	97	79-114	4	11	66	19
1,3,5-Trimethylbenzene	66 U	2480	**2440**	98	83-112	4	12	66	17
Vinyl Chloride	66 U	2480	**2650**	107	63-148	4	11	66	16
Xylene, Meta + Para	130 U	4960	**4930**	99	77-128	4	10	130	38
Xylene, Ortho	66 U	2480	**2420**	98	83-121	5	9	66	18
Xylene (Total)	200 U	7440	**7340**	99	80-123	4	10	200	56

Matrix Spike Duplicate 0911425-17 N-09-SD-3B — Analyzed: 11/26/2009 By: JDM
Unit: ug/L — Analytical Batch: 9L01014

Surrogates:		
Dibromofluoromethane	*100*	*75-123*
1,2-Dichloroethane-d4	*95*	*83-116*
Toluene-d8	*103*	*85-113*
4-Bromofluorobenzene	*95*	*81-117*

QC Batch: 0914596 5035 Soil Purge & Trap - MS/USEPA-8260B

Method Blank — Analyzed: 12/02/2009 By: DLV
Unit: ug/kg wet — Analytical Batch: 9L03011

Acetone	750 U	750	81
Acrolein	250 U	250	49
Benzene	50 U	50	14
Bromobenzene	50 U	50	11
Bromochloromethane	50 U	50	11
Bromodichloromethane	50 U	50	8.4
Bromoform	50 U	50	25
Bromomethane	50 U	50	31
n-Butylbenzene	50 U	50	14
sec-Butylbenzene	50 U	50	15
tert-Butylbenzene	50 U	50	15
Carbon Disulfide	250 U	250	14
Carbon Tetrachloride	50 U	50	11
Chlorobenzene	50 U	50	11
Chloroethane	50 U	50	22
Chloroform	50 U	50	11
Chloromethane	50 U	50	15

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
QC Batch: 0914596 (Continued) 5035 Soil Purge & Trap - MS/USEPA-8260B									
Method Blank (Continued)					Analyzed:	12/02/2009	By: DLV		
Unit: ug/kg wet					Analytical Batch:	9L03011			
2-Chlorotoluene			50 U					50	14
4-Chlorotoluene			50 U					50	14
1,2-Dibromo-3-chloropropane			250 U					250	17
Dibromochloromethane			50 U					50	25
1,2-Dibromoethane			50 U					50	9.2
Dibromomethane			50 U					50	10
1,2-Dichlorobenzene			50 U					50	12
1,3-Dichlorobenzene			50 U					50	14
1,4-Dichlorobenzene			50 U					50	14
Dichlorodifluoromethane			50 U					50	9.4
1,1-Dichloroethane			50 U					50	12
1,2-Dichloroethane			50 U					50	8.6
1,1-Dichloroethene			50 U					50	14
cis-1,2-Dichloroethene			50 U					50	11
trans-1,2-Dichloroethene			50 U					50	17
1,2-Dichloroethene (Total)			100 U					100	27
1,2-Dichloropropane			50 U					50	11
1,3-Dichloropropane			50 U					50	8.1
2,2-Dichloropropane			50 U					50	14
1,1-Dichloropropene			50 U					50	16
cis-1,3-Dichloropropene			50 U					50	9.1
trans-1,3-Dichloropropene			50 U					50	7.0
Ethylbenzene			50 U					50	15
Hexachlorobutadiene			50 U					50	20
2-Hexanone			2500 U					2500	26
Isopropylbenzene			50 U					50	14
4-Isopropyltoluene			50 U					50	15
Methyl tert-Butyl Ether			50 U					50	6.9
Methylene Chloride			**32 J**					250	10
2-Butanone (MEK)			**29 J**					2500	25
4-Methyl-2-pentanone (MIBK)			2500 U					2500	24
Naphthalene			**140 J**					250	21
n-Propylbenzene			50 U					50	16
Styrene			50 U					50	9.4
1,1,1,2-Tetrachloroethane			50 U					50	8.9
1,1,2,2-Tetrachloroethane			50 U					50	14

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL

QC Batch: 0914596 (Continued) 5035 Soil Purge & Trap - MS/USEPA-8260B

Method Blank (Continued) Analyzed: 12/02/2009 By: DLV
Unit: ug/kg wet Analytical Batch: 9L03011

Tetrachloroethene			50 U				50	19
Toluene			50 U				50	15
1,2,3-Trichlorobenzene			50 U				50	10
1,2,4-Trichlorobenzene			50 U				50	18
1,1,1-Trichloroethane			50 U				50	16
1,1,2-Trichloroethane			50 U				50	25
Trichloroethene			50 U				50	18
Trichlorofluoromethane			50 U				50	16
1,2,3-Trichloropropane			50 U				50	22
1,2,4-Trimethylbenzene			50 U				50	14
1,3,5-Trimethylbenzene			50 U				50	13
Vinyl Chloride			50 U				50	12
Xylene, Meta + Para			100 U				100	29
Xylene, Ortho			50 U				50	14
Xylene (Total)			150 U				150	43

Method Blank Analyzed: 12/02/2009 By: DLV
Unit: ug/L Analytical Batch: 9L03011

Surrogates:								
Dibromofluoromethane				*97*	*75-123*			
1,2-Dichloroethane-d4				*107*	*83-116*			
Toluene-d8				*96*	*85-113*			
4-Bromofluorobenzene				*96*	*81-117*			

Laboratory Control Sample Analyzed: 12/02/2009 By: DLV
Unit: ug/kg wet Analytical Batch: 9L03011

Acetone		2000	**2170**	108	64-130		750	81
Acrolein		2000	**3060**	**153**	50-126		250	49
Benzene		2000	**1950**	97	85-118		50	14
Bromobenzene		2000	**2100**	105	89-116		50	11
Bromochloromethane		2000	**1960**	98	81-121		50	11
Bromodichloromethane		2000	**1860**	93	80-123		50	8.4
Bromoform		2000	**1570**	79	58-128		50	25
Bromomethane		2000	**1750**	88	57-139		50	31
n-Butylbenzene		2000	**2150**	107	75-125		50	14
sec-Butylbenzene		2000	**2350**	117	84-121		50	15
tert-Butylbenzene		2000	**2370**	118	86-121		50	15

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 0914596 (Continued) 5035 Soil Purge & Trap - MS/USEPA-8260B

Laboratory Control Sample (Continued) Analyzed: 12/02/2009 By: DLV

Unit: ug/kg wet Analytical Batch: 9L03011

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Carbon Disulfide		2000	**1280**	**64**	65-138			250	14
Carbon Tetrachloride		2000	**1900**	95	76-125			50	11
Chlorobenzene		2000	**2020**	101	86-114			50	11
Chloroethane		2000	**1780**	89	76-123			50	22
Chloroform		2000	**2000**	100	86-118			50	11
Chloromethane		2000	**1830**	92	73-123			50	15
2-Chlorotoluene		2000	**2180**	109	88-119			50	14
4-Chlorotoluene		2000	**2170**	109	84-119			50	14
1,2-Dibromo-3-chloropropane		2000	**1910**	96	51-132			250	17
Dibromochloromethane		2000	**1680**	84	72-119			50	25
1,2-Dibromoethane		2000	**2170**	108	81-118			50	9.2
Dibromomethane		2000	**1980**	99	83-117			50	10
1,2-Dichlorobenzene		2000	**2220**	111	82-124			50	12
1,3-Dichlorobenzene		2000	**2210**	110	85-119			50	14
1,4-Dichlorobenzene		2000	**2150**	108	85-119			50	14
Dichlorodifluoromethane		2000	**1840**	92	68-135			50	9.4
1,1-Dichloroethane		2000	**2030**	101	81-121			50	12
1,2-Dichloroethane		2000	**2010**	100	82-119			50	8.6
1,1-Dichloroethene		2000	**1990**	100	80-121			50	14
cis-1,2-Dichloroethene		2000	**2010**	100	85-118			50	11
trans-1,2-Dichloroethene		2000	**1990**	100	85-117			50	17
1,2-Dichloroethene (Total)		4000	**4000**	100	86-116			100	27
1,2-Dichloropropane		2000	**1960**	98	80-122			50	11
1,3-Dichloropropane		2000	**2180**	109	84-114			50	8.1
2,2-Dichloropropane		2000	**2300**	115	56-132			50	14
1,1-Dichloropropene		2000	**2070**	103	86-119			50	16
cis-1,3-Dichloropropene		2000	**1860**	93	79-121			50	9.1
trans-1,3-Dichloropropene		2000	**1850**	92	73-125			50	7.0
Ethylbenzene		2000	**2130**	106	84-116			50	15
Hexachlorobutadiene		2000	**2460**	123	60-135			50	20
2-Hexanone		2000	**2060**	103	63-131			2500	26
Isopropylbenzene		2000	**2290**	115	82-125			50	14
4-Isopropyltoluene		2000	**2140**	107	82-122			50	15
Methyl tert-Butyl Ether		2000	**2040**	102	81-119			50	6.9
Methylene Chloride		2000	**2060**	103	78-123			250	10
2-Butanone (MEK)		2000	**2100**	105	68-130			2500	25

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 0914596 (Continued) 5035 Soil Purge & Trap - MS/USEPA-8260B

Laboratory Control Sample (Continued) Analyzed: 12/02/2009 By: DLV
Unit: ug/kg wet Analytical Batch: 9L03011

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
4-Methyl-2-pentanone (MIBK)		2000	**1940**	97	68-133			2500	24
Naphthalene		2000	**2230**	111	53-133			250	21
n-Propylbenzene		2000	**2270**	113	85-121			50	16
Styrene		2000	**2200**	110	79-115			50	9.4
1,1,1,2-Tetrachloroethane		2000	**2050**	102	83-116			50	8.9
1,1,2,2-Tetrachloroethane		2000	**2180**	109	75-125			50	14
Tetrachloroethene		2000	**2100**	105	85-116			50	19
Toluene		2000	**1900**	95	86-120			50	15
1,2,3-Trichlorobenzene		2000	**2520**	126	66-129			50	10
1,2,4-Trichlorobenzene		2000	**2520**	126	66-133			50	18
1,1,1-Trichloroethane		2000	**2020**	101	84-121			50	16
1,1,2-Trichloroethane		2000	**1970**	98	85-120			50	25
Trichloroethene		2000	**1950**	97	83-125			50	18
Trichlorofluoromethane		2000	**1980**	99	82-123			50	16
1,2,3-Trichloropropane		2000	**2310**	116	73-125			50	22
1,2,4-Trimethylbenzene		2000	**2100**	105	85-118			50	14
1,3,5-Trimethylbenzene		2000	**2320**	116	85-119			50	13
Vinyl Chloride		2000	**1880**	94	77-124			50	12
Xylene, Meta + Para		4000	**4240**	106	84-118			100	29
Xylene, Ortho		2000	**2200**	110	85-115			50	14
Xylene (Total)		6000	**6440**	107	84-117			150	43

Laboratory Control Sample Analyzed: 12/02/2009 By: DLV
Unit: ug/L Analytical Batch: 9L03011

Surrogates:									
Dibromofluoromethane				*99*	*75-123*				
1,2-Dichloroethane-d4				*100*	*83-116*				
Toluene-d8				*97*	*85-113*				
4-Bromofluorobenzene				*100*	*81-117*				

Matrix Spike 0911479-03 LU-09-SD-2A Analyzed: 12/02/2009 By: DLV
Unit: ug/kg dry Analytical Batch: 9L03011

Acetone	109 J	2340	**2150**	87	56-144			880	95
Acrolein	290 U	2340	**3500**	**149**	38-108			290	57
Benzene	59 U	2340	**2360**	101	85-125			59	17
Bromobenzene	59 U	2340	**2710**	**116**	82-115			59	13
Bromochloromethane	59 U	2340	**2400**	103	85-126			59	13

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 0914596 (Continued) 5035 Soil Purge & Trap - MS/USEPA-8260B

Matrix Spike (Continued) 0911479-03 LU-09-SD-2A — Analyzed: 12/02/2009 By: DLV

Unit: ug/kg dry — Analytical Batch: 9L03011

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Bromodichloromethane	59 U	2340	**2120**	90	78-124			59	9.9
Bromoform	59 U	2340	**2160**	92	75-118			59	29
Bromomethane	59 U	2340	**2050**	88	70-135			59	36
n-Butylbenzene	59 U	2340	**2520**	108	71-122			59	16
sec-Butylbenzene	59 U	2340	**2530**	108	84-117			59	18
tert-Butylbenzene	59 U	2340	**2520**	108	84-118			59	17
Carbon Disulfide	290 U	2340	**1670**	71	45-108			290	17
Carbon Tetrachloride	59 U	2340	**2290**	98	71-130			59	13
Chlorobenzene	59 U	2340	**2530**	108	86-118			59	13
Chloroethane	59 U	2340	**2750**	118	32-136			59	26
Chloroform	59 U	2340	**2490**	106	86-126			59	13
Chloromethane	59 U	2340	**2120**	91	70-142			59	17
2-Chlorotoluene	59 U	2340	**2750**	118	82-119			59	16
4-Chlorotoluene	59 U	2340	**2770**	**118**	79-115			59	17
1,2-Dibromo-3-chloropropane	290 U	2340	**2150**	92	69-125			290	20
Dibromochloromethane	59 U	2340	**2070**	89	57-121			59	29
1,2-Dibromoethane	59 U	2340	**2560**	109	72-124			59	11
Dibromomethane	59 U	2340	**2400**	103	86-119			59	12
1,2-Dichlorobenzene	59 U	2340	**2760**	118	85-121			59	14
1,3-Dichlorobenzene	59 U	2340	**2730**	116	86-116			59	16
1,4-Dichlorobenzene	59 U	2340	**2630**	113	87-115			59	16
Dichlorodifluoromethane	59 U	2340	**2250**	96	65-133			59	11
1,1-Dichloroethane	59 U	2340	**2410**	103	85-127			59	14
1,2-Dichloroethane	59 U	2340	**2520**	108	82-125			59	10
1,1-Dichloroethene	59 U	2340	**2430**	104	81-135			59	17
cis-1,2-Dichloroethene	59 U	2340	**2380**	101	88-125			59	12
trans-1,2-Dichloroethene	59 U	2340	**2410**	103	81-135			59	19
1,2-Dichloroethene (Total)	120 U	4680	**4790**	102	93-127			120	32
1,2-Dichloropropane	59 U	2340	**2370**	101	78-132			59	13
1,3-Dichloropropane	59 U	2340	**2570**	110	70-121			59	9.4
2,2-Dichloropropane	59 U	2340	**2150**	92	43-124			59	17
1,1-Dichloropropene	59 U	2340	**2530**	108	82-129			59	19
cis-1,3-Dichloropropene	59 U	2340	**2130**	91	70-124			59	11
trans-1,3-Dichloropropene	59 U	2340	**2140**	91	63-122			59	8.2
Ethylbenzene	59 U	2340	**2680**	114	80-122			59	18
Hexachlorobutadiene	59 U	2340	**3050**	130	78-134			59	24

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 0914596 (Continued) 5035 Soil Purge & Trap - MS/USEPA-8260B

Matrix Spike (Continued) 0911479-03 LU-09-SD-2A — Analyzed: 12/02/2009 By: DLV
Unit: ug/kg dry — Analytical Batch: 9L03011

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
2-Hexanone	2900 U	2340	**2090**	89	49-135			2900	31
Isopropylbenzene	59 U	2340	**2520**	108	84-120			59	16
4-Isopropyltoluene	59 U	2340	**2530**	108	82-116			59	17
Methyl tert-Butyl Ether	59 U	2340	**2110**	90	63-134			59	8.1
Methylene Chloride	30.1 J	2340	**2580**	109	78-139			290	12
2-Butanone (MEK)	52.4 J	2340	**1700**	71	49-152			2900	29
4-Methyl-2-pentanone (MIBK)	2900 U	2340	**1970**	84	60-134			2900	28
Naphthalene	290 U	2340	**2490**	106	67-119			290	24
n-Propylbenzene	59 U	2340	**2550**	109	73-124			59	18
Styrene	59 U	2340	**2470**	105	80-117			59	11
1,1,1,2-Tetrachloroethane	59 U	2340	**2370**	101	82-116			59	10
1,1,2,2-Tetrachloroethane	59 U	2340	**2630**	112	64-122			59	16
Tetrachloroethene	59 U	2340	**2630**	112	74-130			59	23
Toluene	59 U	2340	**2340**	100	81-128			59	17
1,2,3-Trichlorobenzene	59 U	2340	**2920**	125	77-126			59	12
1,2,4-Trichlorobenzene	59 U	2340	**2720**	116	76-131			59	21
1,1,1-Trichloroethane	59 U	2340	**2600**	111	84-126			59	18
1,1,2-Trichloroethane	59 U	2340	**2400**	102	81-124			59	29
Trichloroethene	59 U	2340	**2340**	100	90-130			59	20
Trichlorofluoromethane	59 U	2340	**3050**	130	50-155			59	18
1,2,3-Trichloropropane	59 U	2340	**2630**	112	69-114			59	25
1,2,4-Trimethylbenzene	59 U	2340	**2540**	109	79-114			59	17
1,3,5-Trimethylbenzene	59 U	2340	**2550**	109	83-112			59	15
Vinyl Chloride	59 U	2340	**2250**	96	63-148			59	14
Xylene, Meta + Para	120 U	4680	**5550**	119	77-128			120	34
Xylene, Ortho	59 U	2340	**2470**	105	83-121			59	16
Xylene (Total)	180 U	7020	**8020**	114	80-123			180	50

Matrix Spike 0911479-03 LU-09-SD-2A — Analyzed: 12/02/2009 By: DLV
Unit: ug/L — Analytical Batch: 9L03011

Surrogates:		
Dibromofluoromethane	*100*	*75-123*
1,2-Dichloroethane-d4	*106*	*83-116*
Toluene-d8	*97*	*85-113*
4-Bromofluorobenzene	*99*	*81-117*

Matrix Spike Duplicate 0911479-03 LU-09-SD-2A — Analyzed: 12/02/2009 By: DLV
Unit: ug/kg dry — Analytical Batch: 9L03011

Acetone	109 J	2340	**2140**	87	56-144	0.5	18	880	95

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 0914596 (Continued) 5035 Soil Purge & Trap - MS/USEPA-8260B

Matrix Spike Duplicate (Continued) 0911479-03 LU-09-SD-2A — Analyzed: 12/02/2009 By: DLV

Unit: ug/kg dry — Analytical Batch: 9L03011

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Acrolein	290 U	2340	**3560**	**152**	38-108	2	9	290	57
Benzene	59 U	2340	**2460**	105	85-125	4	9	59	17
Bromobenzene	59 U	2340	**2820**	**120**	82-115	4	11	59	13
Bromochloromethane	59 U	2340	**2420**	103	85-126	0.7	10	59	13
Bromodichloromethane	59 U	2340	**2210**	94	78-124	4	9	59	9.9
Bromoform	59 U	2340	**2270**	97	75-118	5	11	59	29
Bromomethane	59 U	2340	**2270**	97	70-135	10	24	59	36
n-Butylbenzene	59 U	2340	**2640**	113	71-122	5	12	59	16
sec-Butylbenzene	59 U	2340	**2650**	113	84-117	4	10	59	18
tert-Butylbenzene	59 U	2340	**2660**	114	84-118	5	12	59	17
Carbon Disulfide	290 U	2340	**1880**	80	45-108	12	21	290	17
Carbon Tetrachloride	59 U	2340	**2410**	103	71-130	5	14	59	13
Chlorobenzene	59 U	2340	**2630**	112	86-118	4	11	59	13
Chloroethane	59 U	2340	**2840**	121	32-136	3	21	59	26
Chloroform	59 U	2340	**2600**	111	86-126	5	7	59	13
Chloromethane	59 U	2340	**2230**	95	70-142	5	15	59	17
2-Chlorotoluene	59 U	2340	**2880**	**123**	82-119	5	20	59	16
4-Chlorotoluene	59 U	2340	**2890**	**124**	79-115	4	11	59	17
1,2-Dibromo-3-chloropropane	290 U	2340	**2240**	96	69-125	4	11	290	20
Dibromochloromethane	59 U	2340	**2170**	93	57-121	5	12	59	29
1,2-Dibromoethane	59 U	2340	**2680**	114	72-124	4	11	59	11
Dibromomethane	59 U	2340	**2470**	105	86-119	3	7	59	12
1,2-Dichlorobenzene	59 U	2340	**2850**	**122**	85-121	3	10	59	14
1,3-Dichlorobenzene	59 U	2340	**2810**	**120**	86-116	3	8	59	16
1,4-Dichlorobenzene	59 U	2340	**2740**	**117**	87-115	4	9	59	16
Dichlorodifluoromethane	59 U	2340	**2370**	101	65-133	5	12	59	11
1,1-Dichloroethane	59 U	2340	**2520**	108	85-127	5	9	59	14
1,2-Dichloroethane	59 U	2340	**2560**	109	82-125	2	8	59	10
1,1-Dichloroethene	59 U	2340	**2610**	111	81-135	7	11	59	17
cis-1,2-Dichloroethene	59 U	2340	**2480**	106	88-125	4	9	59	12
trans-1,2-Dichloroethene	59 U	2340	**2510**	107	81-135	4	10	59	19
1,2-Dichloroethene (Total)	120 U	4680	**4990**	107	93-127	4	7	120	32
1,2-Dichloropropane	59 U	2340	**2470**	106	78-132	4	11	59	13
1,3-Dichloropropane	59 U	2340	**2650**	113	70-121	3	8	59	9.4
2,2-Dichloropropane	59 U	2340	**2240**	96	43-124	4	9	59	17
1,1-Dichloropropene	59 U	2340	**2640**	113	82-129	4	9	59	19

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 0914596 (Continued) 5035 Soil Purge & Trap - MS/USEPA-8260B

Matrix Spike Duplicate (Continued) 0911479-03 LU-09-SD-2A — Analyzed: 12/02/2009 By: DLV
Unit: ug/kg dry — Analytical Batch: 9L03011

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
cis-1,3-Dichloropropene	59 U	2340	**2230**	95	70-124	5	10	59	11
trans-1,3-Dichloropropene	59 U	2340	**2220**	95	63-122	3	9	59	8.2
Ethylbenzene	59 U	2340	**2800**	119	80-122	4	10	59	18
Hexachlorobutadiene	59 U	2340	**3260**	**139**	78-134	7	14	59	24
2-Hexanone	2900 U	2340	**2130**	91	49-135	2	16	2900	31
Isopropylbenzene	59 U	2340	**2650**	113	84-120	5	9	59	16
4-Isopropyltoluene	59 U	2340	**2650**	113	82-116	5	13	59	17
Methyl tert-Butyl Ether	59 U	2340	**2210**	94	63-134	5	11	59	8.1
Methylene Chloride	30.1 J	2340	**2610**	110	78-139	1	9	290	12
2-Butanone (MEK)	52.4 J	2340	**1730**	72	49-152	2	16	2900	29
4-Methyl-2-pentanone (MIBK)	2900 U	2340	**1980**	84	60-134	0.4	17	2900	28
Naphthalene	290 U	2340	**2640**	113	67-119	6	15	290	24
n-Propylbenzene	59 U	2340	**2640**	113	73-124	4	8	59	18
Styrene	59 U	2340	**2550**	109	80-117	3	10	59	11
1,1,1,2-Tetrachloroethane	59 U	2340	**2500**	107	82-116	5	10	59	10
1,1,2,2-Tetrachloroethane	59 U	2340	**2660**	114	64-122	1	14	59	16
Tetrachloroethene	59 U	2340	**2770**	118	74-130	5	11	59	23
Toluene	59 U	2340	**2440**	104	81-128	4	10	59	17
1,2,3-Trichlorobenzene	59 U	2340	**3020**	**129**	77-126	3	16	59	12
1,2,4-Trichlorobenzene	59 U	2340	**2820**	120	76-131	4	11	59	21
1,1,1-Trichloroethane	59 U	2340	**2730**	117	84-126	5	9	59	18
1,1,2-Trichloroethane	59 U	2340	**2430**	104	81-124	2	8	59	29
Trichloroethene	59 U	2340	**2470**	106	90-130	5	12	59	20
Trichlorofluoromethane	59 U	2340	**3190**	136	50-155	5	13	59	18
1,2,3-Trichloropropane	59 U	2340	**2700**	**115**	69-114	3	14	59	25
1,2,4-Trimethylbenzene	59 U	2340	**2680**	**115**	79-114	5	11	59	17
1,3,5-Trimethylbenzene	59 U	2340	**2640**	**113**	83-112	3	12	59	15
Vinyl Chloride	59 U	2340	**2370**	101	63-148	5	11	59	14
Xylene, Meta + Para	120 U	4680	**5790**	124	77-128	4	10	120	34
Xylene, Ortho	59 U	2340	**2550**	109	83-121	3	9	59	16
Xylene (Total)	180 U	7020	**8340**	119	80-123	4	10	180	50

Matrix Spike Duplicate 0911479-03 LU-09-SD-2A — Analyzed: 12/02/2009 By: DLV
Unit: ug/L — Analytical Batch: 9L03011

Surrogates:

Dibromofluoromethane	*99*	*75-123*

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL

QC Batch: 0914596 (Continued) 5035 Soil Purge & Trap - MS/USEPA-8260B

Matrix Spike Duplicate (Continued) 0911479-03 LU-09-SD-2A — Analyzed: 12/02/2009 By: DLV

Unit: ug/L — Analytical Batch: 9L03011

Surrogates (Continued):

1,2-Dichloroethane-d4	*106*	*83-116*
Toluene-d8	*97*	*85-113*
4-Bromofluorobenzene	*100*	*81-117*

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QUALITY CONTROL REPORT

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL

QC Batch: 0914163 3550B Sonication Extraction/USEPA-8270C

Method Blank Analyzed: 12/07/2009 By: JLB
Unit: ug/kg wet Analytical Batch: 9L04045

Acenaphthene			17 U					17	0.78
Acenaphthylene			17 U					17	1.7
Anthracene			17 U					17	2.6
Benzidine			670 U					670	170
Benzo(a)anthracene			17 U					17	1.1
Benzo(a)pyrene			17 U					17	1.4
Benzo(b)fluoranthene			17 U					17	2.9
Benzo(k)fluoranthene			17 U					17	1.3
Benzo(g,h,i)perylene			33 U					33	0.94
Benzoic Acid			330 U					330	130
Benzyl Alcohol			**7.0 J**					17	4.5
4-Bromophenyl Phenyl Ether			17 U					17	1.5
Butyl Benzyl Phthalate			33 U					33	4.9
Carbazole			330 U					330	84
4-Chloro-3-methylphenol			17 U					17	3.3
4-Chloroaniline			33 U					33	7.1
Bis(2-chloroethoxy)methane			17 U					17	1.2
Bis(2-chloroethyl) Ether			17 U					17	1.9
Bis(2-chloroisopropyl) Ether			17 U					17	6.6
2-Chloronaphthalene			17 U					17	2.2
2-Chlorophenol			17 U					17	3.8
4-Chlorophenyl Phenyl Ether			17 U					17	3.4
Chrysene			17 U					17	3.5
Dibenz(a,h)anthracene			33 U					33	7.7
Dibenzofuran			17 U					17	8.8
Di-n-butyl Phthalate			170 U					170	25
1,4-Dichlorobenzene			17 U					17	0.87
1,2-Dichlorobenzene			17 U					17	1.2
1,3-Dichlorobenzene			17 U					17	1.0
3,3´-Dichlorobenzidine			170 U					170	28
2,4-Dichlorophenol			17 U					17	3.4
Diethyl Phthalate			17 U					17	3.5
2,4-Dimethylphenol			330 U					330	1.5
Dimethyl Phthalate			17 U					17	0.87
4,6-Dinitro-2-methylphenol			67 U					67	20
2,4-Dinitrophenol			330 U					330	100

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QUALITY CONTROL REPORT

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

QC Batch: 0914163 (Continued) 3550B Sonication Extraction/USEPA-8270C

Method Blank (Continued) Analyzed: 12/07/2009 By: JLB
Unit: ug/kg wet Analytical Batch: 9L04045

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
2,6-Dinitrotoluene			17 U					17	2.3
2,4-Dinitrotoluene			33 U					33	19
Di-n-octyl Phthalate			17 U					17	5.3
Bis(2-ethylhexyl) Phthalate			**16 J**					33	4.6
Fluoranthene			17 U					17	0.76
Fluorene			17 U					17	6.9
Hexachlorobenzene			17 U					17	4.3
Hexachlorobutadiene			17 U					17	3.4
Hexachlorocyclopentadiene			17 U					17	2.0
Hexachloroethane			17 U					17	2.5
Indeno(1,2,3-cd)pyrene			33 U					33	3.7
Isophorone			17 U					17	6.2
2-Methylnaphthalene			17 U					17	0.45
4-Methylphenol			17 U					17	4.4
3+4-Methylphenol			17 U					17	4.4
2-Methylphenol			17 U					17	4.8
Naphthalene			17 U					17	2.1
4-Nitroaniline			67 U					67	1.6
2-Nitroaniline			17 U					17	7.1
3-Nitroaniline			33 U					33	7.1
Nitrobenzene			17 U					17	5.2
2-Nitrophenol			17 U					17	6.6
4-Nitrophenol			330 U					330	130
N-Nitroso-diphenylamine			17 U					17	9.7
N-Nitroso-di-n-propylamine			17 U					17	5.6
Pentachlorophenol			170 U					170	44
Phenanthrene			17 U					17	1.0
Phenol			170 U					170	45
Pyrene			17 U					17	1.2
Pyridine			17 U					17	5.1
1,2,4-Trichlorobenzene			17 U					17	3.9
2,4,5-Trichlorophenol			17 U					17	2.5
2,4,6-Trichlorophenol			17 U					17	2.0
Surrogates:									
2-Fluorophenol				*74*	*33-113*				
Phenol-d6				*77*	*30-115*				

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QUALITY CONTROL REPORT

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

QC Batch: 0914163 (Continued) 3550B Sonication Extraction/USEPA-8270C

Method Blank (Continued) Analyzed: 12/07/2009 By: JLB
Unit: ug/kg wet Analytical Batch: 9L04045

Surrogates (Continued):

Nitrobenzene-d5	*79*	*33-131*
2-Fluorobiphenyl	*76*	*46-122*
2,4,6-Tribromophenol	*53*	*12-124*
o-Terphenyl	*87*	*20-155*

Laboratory Control Sample Analyzed: 12/07/2009 By: JLB
Unit: ug/kg wet Analytical Batch: 9L04045

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Acenaphthene		333	**276**	83	60-120			17	0.78
Acenaphthylene		333	**288**	86	56-138			17	1.7
Anthracene		333	**268**	80	63-134			17	2.6
Benzidine		667	670 U		10-74			670	170
Benzo(a)anthracene		333	**278**	83	53-142			17	1.1
Benzo(a)pyrene		333	**275**	82	54-136			17	1.4
Benzo(b)fluoranthene		333	**278**	83	49-146			17	2.9
Benzo(k)fluoranthene		333	**282**	85	56-136			17	1.3
Benzo(g,h,i)perylene		333	**275**	83	47-141			33	0.94
Benzoic Acid		327	**268**	82	10-98			330	130
Benzyl Alcohol		320	**258**	81	39-129			17	4.5
4-Bromophenyl Phenyl Ether		317	**262**	83	61-124			17	1.5
Butyl Benzyl Phthalate		317	**269**	85	51-145			33	4.9
Carbazole		333	**303**	91	76-126			330	84
4-Chloro-3-methylphenol		327	**258**	79	57-124			17	3.3
4-Chloroaniline		320	**48.0**	15	10-110			33	7.1
Bis(2-chloroethoxy)methane		317	**247**	78	57-121			17	1.2
Bis(2-chloroethyl) Ether		317	**233**	74	54-112			17	1.9
Bis(2-chloroisopropyl) Ether		317	**248**	78	62-116			17	6.6
2-Chloronaphthalene		333	**278**	83	67-111			17	2.2
2-Chlorophenol		327	**265**	81	62-118			17	3.8
4-Chlorophenyl Phenyl Ether		317	**270**	85	62-114			17	3.4
Chrysene		333	**273**	82	66-137			17	3.5
Dibenz(a,h)anthracene		333	**284**	85	52-142			33	7.7
Dibenzofuran		320	**274**	86	65-119			17	8.8
Di-n-butyl Phthalate		317	**260**	82	65-140			170	25
1,4-Dichlorobenzene		333	**257**	77	61-111			17	0.87
1,2-Dichlorobenzene		333	**266**	80	63-115			17	1.2

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QUALITY CONTROL REPORT

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

QC Batch: 0914163 (Continued) 3550B Sonication Extraction/USEPA-8270C

Laboratory Control Sample (Continued) Analyzed: 12/07/2009 By: JLB

Unit: ug/kg wet Analytical Batch: 9L04045

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
1,3-Dichlorobenzene		333	**258**	77	54-113			17	1.0
3,3´-Dichlorobenzidine		667	**139**	**21**	50-150			170	28
2,4-Dichlorophenol		327	**272**	83	50-128			17	3.4
Diethyl Phthalate		317	**281**	89	59-128			17	3.5
2,4-Dimethylphenol		327	**173**	53	40-122			330	1.5
Dimethyl Phthalate		317	**269**	85	66-122			17	0.87
4,6-Dinitro-2-methylphenol		327	**250**	76	26-136			67	20
2,4-Dinitrophenol		327	**248**	76	50-150			330	100
2,6-Dinitrotoluene		333	**278**	83	61-119			17	2.3
2,4-Dinitrotoluene		333	**293**	88	51-128			33	19
Di-n-octyl Phthalate		317	**281**	89	63-132			17	5.3
Bis(2-ethylhexyl) Phthalate		317	**295**	93	63-135			33	4.6
Fluoranthene		333	**280**	84	66-140			17	0.76
Fluorene		333	**286**	86	60-131			17	6.9
Hexachlorobenzene		333	**277**	83	34-141			17	4.3
Hexachlorobutadiene		333	**285**	86	56-128			17	3.4
Hexachlorocyclopentadiene		333	**280**	84	50-150			17	2.0
Hexachloroethane		333	**271**	81	60-111			17	2.5
Indeno(1,2,3-cd)pyrene		333	**278**	83	53-135			33	3.7
Isophorone		333	**268**	80	55-127			17	6.2
2-Methylnaphthalene		320	**273**	85	65-140			17	0.45
4-Methylphenol		327	**282**	86	58-132			17	4.4
3+4-Methylphenol		327	**282**	86	50-150			17	4.4
2-Methylphenol		327	**250**	77	58-113			17	4.8
Naphthalene		333	**274**	82	52-128			17	2.1
4-Nitroaniline		320	**140**	**44**	50-150			67	1.6
2-Nitroaniline		320	**279**	87	63-122			17	7.1
3-Nitroaniline		320	**147**	**46**	50-150			33	7.1
Nitrobenzene		333	**270**	81	50-150			17	5.2
2-Nitrophenol		327	**280**	86	50-150			17	6.6
4-Nitrophenol		327	**237**	73	36-131			330	130
N-Nitroso-diphenylamine		317	**203**	64	50-150			17	9.7
N-Nitroso-di-n-propylamine		317	**266**	84	54-115			17	5.6
Pentachlorophenol		327	**242**	74	19-117			170	44
Phenanthrene		333	**270**	81	58-134			17	1.0
Phenol		327	**246**	75	53-120			170	45

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QUALITY CONTROL REPORT

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

QC Batch: 0914163 (Continued) 3550B Sonication Extraction/USEPA-8270C

Laboratory Control Sample (Continued) Analyzed: 12/07/2009 By: JLB
Unit: ug/kg wet Analytical Batch: 9L04045

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Pyrene		333	**276**	83	60-132			17	1.2
Pyridine		167	**103**	62	50-150			17	5.1
1,2,4-Trichlorobenzene		333	**261**	78	57-122			17	3.9
2,4,5-Trichlorophenol		327	**255**	78	61-126			17	2.5
2,4,6-Trichlorophenol		327	**256**	78	45-128			17	2.0
Surrogates:									
2-Fluorophenol				*78*	*33-113*				
Phenol-d6				*77*	*30-115*				
Nitrobenzene-d5				*76*	*33-131*				
2-Fluorobiphenyl				*75*	*46-122*				
2,4,6-Tribromophenol				*71*	*12-124*				
o-Terphenyl				*81*	*20-155*				

Matrix Spike 0911425-02 P-09-SD-1B Analyzed: 12/07/2009 By: DMC
Unit: ug/kg dry Analytical Batch: 9L15017

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Acenaphthene	21 U	431	**383**	89	23-140			21	0.99
Acenaphthylene	21 U	431	**385**	89	52-139			21	2.1
Anthracene	21 U	431	**334**	78	48-138			21	3.3
Benzidine	850 U	862	**39.2**	**5**	10-41			850	21
Benzo(a)anthracene	2.16 J	431	**478**	110	48-134			21	1.4
Benzo(a)pyrene	21 U	431	**365**	85	36-129			21	1.8
Benzo(b)fluoranthene	21 U	431	**492**	114	44-141			21	3.7
Benzo(k)fluoranthene	21 U	431	**254**	59	44-134			21	1.6
Benzo(g,h,i)perylene	42 U	431	**344**	80	36-146			42	1.2
Benzoic Acid	420 U	422	**315**	74	50-150			420	160
Benzyl Alcohol	158	414	**753**	144	50-150			21	5.7
4-Bromophenyl Phenyl Ether	21 U	409	**380**	93	47-139			21	1.9
Butyl Benzyl Phthalate	42 U	409	**422**	103	43-143			42	6.2
Carbazole	420 U	431	**366**	85	34-167			420	110
4-Chloro-3-methylphenol	21 U	422	**379**	90	18-143			21	4.2
4-Chloroaniline	42 U	414	**160**	39	10-95			42	9.0
Bis(2-chloroethoxy)methane	21 U	409	**337**	82	38-144			21	1.6
Bis(2-chloroethyl) Ether	21 U	409	**362**	88	43-129			21	2.4
Bis(2-chloroisopropyl) Ether	21 U	409	**368**	90	48-133			21	8.5
2-Chloronaphthalene	21 U	431	**374**	87	42-138			21	2.8
2-Chlorophenol	21 U	422	**375**	89	25-154			21	4.8

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QUALITY CONTROL REPORT

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

QC Batch: 0914163 (Continued) 3550B Sonication Extraction/USEPA-8270C

Matrix Spike (Continued) 0911425-02 P-09-SD-1B — Analyzed: 12/07/2009 By: DMC

Unit: ug/kg dry — Analytical Batch: 9L15017

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
4-Chlorophenyl Phenyl Ether	21 U	409	**357**	87	34-136			21	4.3
Chrysene	21 U	431	**283**	66	45-143			21	4.4
Dibenz(a,h)anthracene	42 U	431	**365**	85	38-149			42	9.8
Dibenzofuran	21 U	414	**360**	87	51-136			21	11
Di-n-butyl Phthalate	210 U	409	**385**	94	15-184			210	32
1,4-Dichlorobenzene	21 U	431	**363**	84	36-110			21	1.1
1,2-Dichlorobenzene	21 U	431	**390**	91	49-115			21	1.5
1,3-Dichlorobenzene	21 U	431	**310**	72	39-129			21	1.3
3,3´-Dichlorobenzidine	210 U	862	**376**	**44**	50-150			210	35
2,4-Dichlorophenol	21 U	422	**316**	75	38-131			21	4.3
Diethyl Phthalate	21 U	409	**389**	95	43-139			21	4.4
2,4-Dimethylphenol	420 U	422	**367**	87	22-136			420	1.9
Dimethyl Phthalate	21 U	409	**371**	91	50-138			21	1.1
4,6-Dinitro-2-methylphenol	85 U	422	**207**	49	10-114			85	26
2,4-Dinitrophenol	420 U	422	**202**	48	10-100			420	130
2,6-Dinitrotoluene	21 U	431	**376**	87	22-156			21	2.9
2,4-Dinitrotoluene	42 U	431	**402**	93	28-136			42	24
Di-n-octyl Phthalate	21 U	409	**462**	113	50-154			21	6.8
Bis(2-ethylhexyl) Phthalate	58.4	409	**473**	101	22-159			42	5.9
Fluoranthene	1.30 J	431	**383**	88	34-140			21	0.97
Fluorene	21 U	431	**387**	90	49-127			21	8.8
Hexachlorobenzene	21 U	431	**417**	97	49-134			21	5.4
Hexachlorobutadiene	21 U	431	**370**	86	47-127			21	4.4
Hexachlorocyclopentadiene	21 U	431	21 U		10-116			21	2.6
Hexachloroethane	21 U	431	**142**	33	33-137			21	3.2
Indeno(1,2,3-cd)pyrene	42 U	431	**365**	85	31-128			42	4.7
Isophorone	21 U	431	**376**	87	24-147			21	7.9
2-Methylnaphthalene	21 U	414	**436**	105	60-143			21	0.58
4-Methylphenol	21 U	422	**461**	109	25-156			21	5.7
3+4-Methylphenol	21 U	422	**461**	109	47-120			21	5.7
2-Methylphenol	21 U	422	**385**	91	45-113			21	6.1
Naphthalene	21 U	431	**391**	91	32-138			21	2.7
4-Nitroaniline	85 U	414	**244**	59	21-140			85	2.0
2-Nitroaniline	21 U	414	**326**	79	48-140			21	9.0
3-Nitroaniline	42 U	414	**119**	29	10-154			42	9.0
Nitrobenzene	21 U	431	**299**	69	37-142			21	6.6

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QUALITY CONTROL REPORT

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

QC Batch: 0914163 (Continued) 3550B Sonication Extraction/USEPA-8270C

Matrix Spike (Continued) 0911425-02 P-09-SD-1B — Analyzed: 12/07/2009 By: DMC
Unit: ug/kg dry — Analytical Batch: 9L15017

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
2-Nitrophenol	21 U	422	**374**	89	11-147			21	8.4
4-Nitrophenol	420 U	422	**316**	75	10-163			420	170
N-Nitroso-diphenylamine	21 U	409	**254**	62	41-106			21	12
N-Nitroso-di-n-propylamine	21 U	409	**371**	91	20-151			21	7.2
Pentachlorophenol	210 U	422	**306**	72	15-129			210	56
Phenanthrene	21 U	431	**430**	100	39-134			21	1.3
Phenol	210 U	422	**203**	48	23-140			210	57
Pyrene	1.73 J	431	**413**	95	39-145			21	1.5
Pyridine	21 U	215	**83.6**	**39**	65-135			21	6.5
1,2,4-Trichlorobenzene	21 U	431	**355**	82	43-116			21	5.0
2,4,5-Trichlorophenol	21 U	422	**402**	95	25-151			21	3.1
2,4,6-Trichlorophenol	21 U	422	**387**	92	10-159			21	2.6
Surrogates:									
2-Fluorophenol				*82*	*33-113*				
Phenol-d6				*84*	*30-115*				
Nitrobenzene-d5				*85*	*33-131*				
2-Fluorobiphenyl				*87*	*46-122*				
2,4,6-Tribromophenol				*88*	*12-124*				
o-Terphenyl				*94*	*20-155*				

Matrix Spike Duplicate 0911425-02 P-09-SD-1B — Analyzed: 12/07/2009 By: DMC
Unit: ug/kg dry — Analytical Batch: 9L15017

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Acenaphthene	21 U	429	**389**	91	23-140	2	19	21	0.99
Acenaphthylene	21 U	429	**402**	94	52-139	4	20	21	2.1
Anthracene	21 U	429	**333**	78	48-138	0.5	18	21	3.3
Benzidine	850 U	859	**43.8**	**5**	10-41	11	20	850	21
Benzo(a)anthracene	2.16 J	429	**465**	108	48-134	3	26	21	1.4
Benzo(a)pyrene	21 U	429	**398**	93	36-129	9	19	21	1.8
Benzo(b)fluoranthene	21 U	429	**462**	108	44-141	6	40	21	3.7
Benzo(k)fluoranthene	21 U	429	**304**	71	44-134	**18**	15	21	1.6
Benzo(g,h,i)perylene	42 U	429	**335**	78	36-146	3	13	42	1.2
Benzoic Acid	420 U	421	**313**	74	50-150	0.5	40	420	160
Benzyl Alcohol	158	412	**722**	137	50-150	4	40	21	5.7
4-Bromophenyl Phenyl Ether	21 U	408	**368**	90	47-139	3	40	21	1.9
Butyl Benzyl Phthalate	42 U	408	**419**	103	43-143	0.6	40	42	6.2
Carbazole	420 U	429	**335**	78	34-167	9	40	420	110

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QUALITY CONTROL REPORT

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

QC Batch: 0914163 (Continued) 3550B Sonication Extraction/USEPA-8270C

Matrix Spike Duplicate (Continued) 0911425-02 P-09-SD-1B — Analyzed: 12/07/2009 By: DMC

Unit: ug/kg dry — Analytical Batch: 9L15017

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
4-Chloro-3-methylphenol	21 U	421	**382**	91	18-143	0.8	22	21	4.2
4-Chloroaniline	42 U	412	**165**	40	10-95	3	40	42	9.0
Bis(2-chloroethoxy)methane	21 U	408	**347**	85	38-144	3	40	21	1.6
Bis(2-chloroethyl) Ether	21 U	408	**360**	88	43-129	0.5	40	21	2.4
Bis(2-chloroisopropyl) Ether	21 U	408	**368**	90	48-133	0.2	40	21	8.5
2-Chloronaphthalene	21 U	429	**385**	90	42-138	3	40	21	2.8
2-Chlorophenol	21 U	421	**379**	90	25-154	1	16	21	4.8
4-Chlorophenyl Phenyl Ether	21 U	408	**381**	93	34-136	7	40	21	4.3
Chrysene	21 U	429	**327**	76	45-143	15	40	21	4.4
Dibenz(a,h)anthracene	42 U	429	**369**	86	38-149	1	22	42	9.8
Dibenzofuran	21 U	412	**375**	91	51-136	4	40	21	11
Di-n-butyl Phthalate	210 U	408	**372**	91	15-184	4	40	210	32
1,4-Dichlorobenzene	21 U	429	**355**	83	36-110	2	21	21	1.1
1,2-Dichlorobenzene	21 U	429	**389**	91	49-115	0.3	18	21	1.5
1,3-Dichlorobenzene	21 U	429	**310**	72	39-129	0.06	40	21	1.3
3,3´-Dichlorobenzidine	210 U	859	**303**	**35**	50-150	21	40	210	35
2,4-Dichlorophenol	21 U	421	**306**	73	38-131	3	40	21	4.3
Diethyl Phthalate	21 U	408	**402**	99	43-139	3	40	21	4.4
2,4-Dimethylphenol	420 U	421	**379**	90	22-136	3	40	420	1.9
Dimethyl Phthalate	21 U	408	**390**	96	50-138	5	40	21	1.1
4,6-Dinitro-2-methylphenol	85 U	421	**194**	46	10-114	6	40	85	26
2,4-Dinitrophenol	420 U	421	**188**	45	10-100	7	40	420	130
2,6-Dinitrotoluene	21 U	429	**394**	92	22-156	5	40	21	2.9
2,4-Dinitrotoluene	42 U	429	**417**	97	28-136	4	22	42	24
Di-n-octyl Phthalate	21 U	408	**461**	113	50-154	0.2	40	21	6.8
Bis(2-ethylhexyl) Phthalate	58.4	408	**467**	100	22-159	1	40	42	5.9
Fluoranthene	1.30 J	429	**396**	92	34-140	3	19	21	0.97
Fluorene	21 U	429	**405**	94	49-127	5	16	21	8.8
Hexachlorobenzene	21 U	429	**407**	95	49-134	2	20	21	5.4
Hexachlorobutadiene	21 U	429	**374**	87	47-127	1	40	21	4.4
Hexachlorocyclopentadiene	21 U	429	21 U		10-116		40	21	2.6
Hexachloroethane	21 U	429	**134**	**31**	33-137	5	22	21	3.2
Indeno(1,2,3-cd)pyrene	42 U	429	**357**	83	31-128	2	18	42	4.7
Isophorone	21 U	429	**372**	87	24-147	1	40	21	7.9
2-Methylnaphthalene	21 U	412	**446**	108	60-143	2	40	21	0.58
4-Methylphenol	21 U	421	**466**	111	25-156	1	40	21	5.7

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QUALITY CONTROL REPORT

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

QC Batch: 0914163 (Continued) 3550B Sonication Extraction/USEPA-8270C

Matrix Spike Duplicate (Continued) 0911425-02 P-09-SD-1B — Analyzed: 12/07/2009 By: DMC
Unit: ug/kg dry — Analytical Batch: 9L15017

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
3+4-Methylphenol	21 U	421	**466**	111	47-120	1	40	21	5.7
2-Methylphenol	21 U	421	**424**	101	45-113	10	40	21	6.1
Naphthalene	21 U	429	**387**	90	32-138	1	18	21	2.7
4-Nitroaniline	85 U	412	**288**	70	21-140	16	40	85	2.0
2-Nitroaniline	21 U	412	**340**	82	48-140	4	20	21	9.0
3-Nitroaniline	42 U	412	**144**	35	10-154	19	40	42	9.0
Nitrobenzene	21 U	429	**296**	69	37-142	1	40	21	6.6
2-Nitrophenol	21 U	421	**377**	89	11-147	0.7	40	21	8.4
4-Nitrophenol	420 U	421	**201**	48	10-163	**45**	25	420	170
N-Nitroso-diphenylamine	21 U	408	**246**	60	41-106	3	40	21	12
N-Nitroso-di-n-propylamine	21 U	408	**372**	91	20-151	0.1	13	21	7.2
Pentachlorophenol	210 U	421	**317**	75	15-129	4	25	210	56
Phenanthrene	21 U	429	**422**	98	39-134	2	13	21	1.3
Phenol	210 U	421	**188**	45	23-140	8	15	210	57
Pyrene	1.73 J	429	**417**	97	39-145	0.9	24	21	1.5
Pyridine	21 U	215	**89.3**	**42**	65-135	7	25	21	6.5
1,2,4-Trichlorobenzene	21 U	429	**358**	83	43-116	0.6	26	21	5.0
2,4,5-Trichlorophenol	21 U	421	**376**	89	25-151	7	40	21	3.1
2,4,6-Trichlorophenol	21 U	421	**391**	93	10-159	1	40	21	2.6
Surrogates:									
2-Fluorophenol				*84*	*33-113*				
Phenol-d6				*86*	*30-115*				
Nitrobenzene-d5				*85*	*33-131*				
2-Fluorobiphenyl				*90*	*46-122*				
2,4,6-Tribromophenol				*95*	*12-124*				
o-Terphenyl				*95*	*20-155*				

QC Batch: 0914186 3550B Sonication Extraction/USEPA-8270C

Method Blank — Analyzed: 12/10/2009 By: JLB
Unit: ug/kg wet — Analytical Batch: 9L13002

Analyte	Result	RL	MDL
Acenaphthene	17 U	17	0.78
Acenaphthylene	17 U	17	1.7
Anthracene	17 U	17	2.6
Benzidine	670 U	670	170
Benzo(a)anthracene	17 U	17	1.1
Benzo(a)pyrene	17 U	17	1.4

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QUALITY CONTROL REPORT

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

QC Batch: 0914186 (Continued) 3550B Sonication Extraction/USEPA-8270C

Method Blank (Continued) Analyzed: 12/10/2009 By: JLB
Unit: ug/kg wet Analytical Batch: 9L13002

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Benzo(b)fluoranthene			17 U					17	2.9
Benzo(k)fluoranthene			17 U					17	1.3
Benzo(g,h,i)perylene			33 U					33	0.94
Benzoic Acid			330 U					330	130
Benzyl Alcohol			17 U					17	4.5
4-Bromophenyl Phenyl Ether			17 U					17	1.5
Butyl Benzyl Phthalate			33 U					33	4.9
Carbazole			330 U					330	84
4-Chloro-3-methylphenol			17 U					17	3.3
4-Chloroaniline			33 U					33	7.1
Bis(2-chloroethoxy)methane			17 U					17	1.2
Bis(2-chloroethyl) Ether			17 U					17	1.9
Bis(2-chloroisopropyl) Ether			17 U					17	6.6
2-Chloronaphthalene			17 U					17	2.2
2-Chlorophenol			17 U					17	3.8
4-Chlorophenyl Phenyl Ether			17 U					17	3.4
Chrysene			17 U					17	3.5
Dibenz(a,h)anthracene			33 U					33	7.7
Dibenzofuran			17 U					17	8.8
Di-n-butyl Phthalate			170 U					170	25
1,4-Dichlorobenzene			17 U					17	0.87
1,2-Dichlorobenzene			17 U					17	1.2
1,3-Dichlorobenzene			17 U					17	1.0
3,3´-Dichlorobenzidine			170 U					170	28
2,4-Dichlorophenol			17 U					17	3.4
Diethyl Phthalate			17 U					17	3.5
2,4-Dimethylphenol			330 U					330	1.5
Dimethyl Phthalate			17 U					17	0.87
4,6-Dinitro-2-methylphenol			67 U					67	20
2,4-Dinitrophenol			330 U					330	100
2,6-Dinitrotoluene			17 U					17	2.3
2,4-Dinitrotoluene			33 U					33	19
Di-n-octyl Phthalate			17 U					17	5.3
Bis(2-ethylhexyl) Phthalate			33 U					33	4.6
Fluoranthene			17 U					17	0.76
Fluorene			17 U					17	6.9

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QUALITY CONTROL REPORT

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

QC Batch: 0914186 (Continued) 3550B Sonication Extraction/USEPA-8270C

Method Blank (Continued) Analyzed: 12/10/2009 By: JLB
Unit: ug/kg wet Analytical Batch: 9L13002

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Hexachlorobenzene			17 U					17	4.3
Hexachlorobutadiene			17 U					17	3.4
Hexachlorocyclopentadiene			17 U					17	2.0
Hexachloroethane			17 U					17	2.5
Indeno(1,2,3-cd)pyrene			33 U					33	3.7
Isophorone			17 U					17	6.2
2-Methylnaphthalene			17 U					17	0.45
4-Methylphenol			17 U					17	4.4
3+4-Methylphenol			17 U					17	4.4
2-Methylphenol			17 U					17	4.8
Naphthalene			17 U					17	2.1
4-Nitroaniline			67 U					67	1.6
2-Nitroaniline			17 U					17	7.1
3-Nitroaniline			33 U					33	7.1
Nitrobenzene			17 U					17	5.2
2-Nitrophenol			17 U					17	6.6
4-Nitrophenol			330 U					330	130
N-Nitroso-diphenylamine			17 U					17	9.7
N-Nitroso-di-n-propylamine			17 U					17	5.6
Pentachlorophenol			170 U					170	44
Phenanthrene			17 U					17	1.0
Phenol			170 U					170	45
Pyrene			17 U					17	1.2
Pyridine			17 U					17	5.1
1,2,4-Trichlorobenzene			17 U					17	3.9
2,4,5-Trichlorophenol			17 U					17	2.5
2,4,6-Trichlorophenol			17 U					17	2.0
Surrogates:									
2-Fluorophenol				*67*	*33-113*				
Phenol-d6				*67*	*30-115*				
Nitrobenzene-d5				*63*	*33-131*				
2-Fluorobiphenyl				*68*	*46-122*				
2,4,6-Tribromophenol				*47*	*12-124*				
o-Terphenyl				*86*	*20-155*				

Laboratory Control Sample Analyzed: 12/10/2009 By: JLB
Unit: ug/kg wet Analytical Batch: 9L13002

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Acenaphthene		333	**278**	84	60-120			17	0.78

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QUALITY CONTROL REPORT

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

QC Batch: 0914186 (Continued) 3550B Sonication Extraction/USEPA-8270C

Laboratory Control Sample (Continued) Analyzed: 12/10/2009 By: JLB

Unit: ug/kg wet Analytical Batch: 9L13002

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Acenaphthylene		333	**272**	82	56-138			17	1.7
Anthracene		333	**275**	83	63-134			17	2.6
Benzidine		667	670 U		10-74			670	170
Benzo(a)anthracene		333	**280**	84	53-142			17	1.1
Benzo(a)pyrene		333	**284**	85	54-136			17	1.4
Benzo(b)fluoranthene		333	**295**	89	49-146			17	2.9
Benzo(k)fluoranthene		333	**299**	90	56-136			17	1.3
Benzo(g,h,i)perylene		333	**277**	83	47-141			33	0.94
Benzoic Acid		327	**173**	53	10-98			330	130
Benzyl Alcohol		320	**244**	76	39-129			17	4.5
*4-Bromophenyl Phenyl Ether		317	**264 B**	83	61-124			17	1.5
Butyl Benzyl Phthalate		317	**259**	82	51-145			33	4.9
Carbazole		333	**315**	94	76-126			330	84
4-Chloro-3-methylphenol		327	**229**	70	57-124			17	3.3
4-Chloroaniline		320	**27.0**	**8**	10-110			33	7.1
Bis(2-chloroethoxy)methane		317	**236**	74	57-121			17	1.2
Bis(2-chloroethyl) Ether		317	**210**	66	54-112			17	1.9
Bis(2-chloroisopropyl) Ether		317	**261**	82	62-116			17	6.6
2-Chloronaphthalene		333	**265**	79	67-111			17	2.2
2-Chlorophenol		327	**274**	84	62-118			17	3.8
4-Chlorophenyl Phenyl Ether		317	**284**	90	62-114			17	3.4
Chrysene		333	**290**	87	66-137			17	3.5
Dibenz(a,h)anthracene		333	**298**	89	52-142			33	7.7
Dibenzofuran		320	**271**	85	65-119			17	8.8
Di-n-butyl Phthalate		317	**277**	87	65-140			170	25
1,4-Dichlorobenzene		333	**269**	81	61-111			17	0.87
1,2-Dichlorobenzene		333	**277**	83	63-115			17	1.2
1,3-Dichlorobenzene		333	**272**	82	54-113			17	1.0
3,3´-Dichlorobenzidine		667	**173**	**26**	50-150			170	28
2,4-Dichlorophenol		327	**287**	88	50-128			17	3.4
Diethyl Phthalate		317	**288**	91	59-128			17	3.5
2,4-Dimethylphenol		327	**172**	53	40-122			330	1.5
*Dimethyl Phthalate		317	**262 B**	83	66-122			17	0.87
4,6-Dinitro-2-methylphenol		327	**243**	74	26-136			67	20
2,4-Dinitrophenol		327	**210**	64	50-150			330	100
2,6-Dinitrotoluene		333	**260**	78	61-119			17	2.3

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QUALITY CONTROL REPORT

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

QC Batch: 0914186 (Continued) 3550B Sonication Extraction/USEPA-8270C

Laboratory Control Sample (Continued) Analyzed: 12/10/2009 By: JLB

Unit: ug/kg wet Analytical Batch: 9L13002

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
2,4-Dinitrotoluene		333	**301**	90	51-128			33	19
Di-n-octyl Phthalate		317	**278**	88	63-132			17	5.3
Bis(2-ethylhexyl) Phthalate		317	**279**	88	63-135			33	4.6
Fluoranthene		333	**293**	88	66-140			17	0.76
Fluorene		333	**279**	84	60-131			17	6.9
Hexachlorobenzene		333	**280**	84	34-141			17	4.3
Hexachlorobutadiene		333	**301**	90	56-128			17	3.4
Hexachlorocyclopentadiene		333	**268**	80	50-150			17	2.0
Hexachloroethane		333	**282**	85	60-111			17	2.5
Indeno(1,2,3-cd)pyrene		333	**287**	86	53-135			33	3.7
Isophorone		333	**265**	79	55-127			17	6.2
2-Methylnaphthalene		320	**266**	83	65-140			17	0.45
4-Methylphenol		327	**283**	87	58-132			17	4.4
3+4-Methylphenol		327	**283**	87	50-150			17	4.4
2-Methylphenol		327	**268**	82	58-113			17	4.8
Naphthalene		333	**271**	81	52-128			17	2.1
4-Nitroaniline		320	**167**	52	50-150			67	1.6
2-Nitroaniline		320	**232**	73	63-122			17	7.1
3-Nitroaniline		320	**128**	**40**	50-150			33	7.1
Nitrobenzene		333	**254**	76	50-150			17	5.2
2-Nitrophenol		327	**275**	84	50-150			17	6.6
4-Nitrophenol		327	**184**	56	36-131			330	130
N-Nitroso-diphenylamine		317	**203**	64	50-150			17	9.7
N-Nitroso-di-n-propylamine		317	**269**	85	54-115			17	5.6
Pentachlorophenol		327	**228**	70	19-117			170	44
Phenanthrene		333	**281**	84	58-134			17	1.0
Phenol		327	**270**	83	53-120			170	45
Pyrene		333	**274**	82	60-132			17	1.2
Pyridine		167	**101**	60	50-150			17	5.1
1,2,4-Trichlorobenzene		333	**273**	82	57-122			17	3.9
2,4,5-Trichlorophenol		327	**217**	66	61-126			17	2.5
2,4,6-Trichlorophenol		327	**247**	76	45-128			17	2.0
Surrogates:									
2-Fluorophenol				*76*	*33-113*				
Phenol-d6				*77*	*30-115*				
Nitrobenzene-d5				*73*	*33-131*				

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QUALITY CONTROL REPORT

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL

QC Batch: 0914186 (Continued) 3550B Sonication Extraction/USEPA-8270C

Laboratory Control Sample (Continued) Analyzed: 12/10/2009 By: JLB
Unit: ug/kg wet Analytical Batch: 9L13002

Surrogates (Continued):

2-Fluorobiphenyl	*74*	*46-122*
2,4,6-Tribromophenol	*71*	*12-124*
o-Terphenyl	*84*	*20-155*

QC Batch: 0914525 3550B Sonication Extraction/USEPA-8270C

Method Blank Analyzed: 12/07/2009 By: DMC
Unit: ug/kg wet Analytical Batch: 9L15017

Acenaphthene			17 U					17	0.78
Acenaphthylene			17 U					17	1.7
Anthracene			17 U					17	2.6
Benzidine			670 U					670	170
Benzo(a)anthracene			**1.7 J**					17	1.1
Benzo(a)pyrene			17 U					17	1.4
Benzo(b)fluoranthene			17 U					17	2.9
Benzo(k)fluoranthene			17 U					17	1.3
Benzo(g,h,i)perylene			33 U					33	0.94
Benzoic Acid			330 U					330	130
Benzyl Alcohol			17 U					17	4.5
4-Bromophenyl Phenyl Ether			17 U					17	1.5
Butyl Benzyl Phthalate			33 U					33	4.9
Carbazole			330 U					330	84
4-Chloro-3-methylphenol			17 U					17	3.3
4-Chloroaniline			33 U					33	7.1
Bis(2-chloroethoxy)methane			17 U					17	1.2
Bis(2-chloroethyl) Ether			17 U					17	1.9
Bis(2-chloroisopropyl) Ether			17 U					17	6.6
2-Chloronaphthalene			17 U					17	2.2
2-Chlorophenol			17 U					17	3.8
4-Chlorophenyl Phenyl Ether			17 U					17	3.4
Chrysene			17 U					17	3.5
Dibenz(a,h)anthracene			33 U					33	7.7
Dibenzofuran			17 U					17	8.8
Di-n-butyl Phthalate			**130 J**					170	25
1,4-Dichlorobenzene			17 U					17	0.87
1,2-Dichlorobenzene			17 U					17	1.2

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QUALITY CONTROL REPORT

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

QC Batch: 0914525 (Continued) 3550B Sonication Extraction/USEPA-8270C

Method Blank (Continued) Analyzed: 12/07/2009 By: DMC

Unit: ug/kg wet Analytical Batch: 9L15017

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
1,3-Dichlorobenzene			17 U					17	1.0
3,3´-Dichlorobenzidine			170 U					170	28
2,4-Dichlorophenol			17 U					17	3.4
Diethyl Phthalate			17 U					17	3.5
2,4-Dimethylphenol			330 U					330	1.5
Dimethyl Phthalate			17 U					17	0.87
4,6-Dinitro-2-methylphenol			67 U					67	20
2,4-Dinitrophenol			330 U					330	100
2,6-Dinitrotoluene			17 U					17	2.3
2,4-Dinitrotoluene			33 U					33	19
Di-n-octyl Phthalate			17 U					17	5.3
Bis(2-ethylhexyl) Phthalate			33 U					33	4.6
Fluoranthene			**1.3 J**					17	0.76
Fluorene			17 U					17	6.9
Hexachlorobenzene			17 U					17	4.3
Hexachlorobutadiene			17 U					17	3.4
Hexachlorocyclopentadiene			17 U					17	2.0
Hexachloroethane			17 U					17	2.5
Indeno(1,2,3-cd)pyrene			33 U					33	3.7
Isophorone			17 U					17	6.2
2-Methylnaphthalene			17 U					17	0.45
4-Methylphenol			17 U					17	4.4
3+4-Methylphenol			17 U					17	4.4
2-Methylphenol			17 U					17	4.8
Naphthalene			17 U					17	2.1
4-Nitroaniline			67 U					67	1.6
2-Nitroaniline			17 U					17	7.1
3-Nitroaniline			33 U					33	7.1
Nitrobenzene			17 U					17	5.2
2-Nitrophenol			17 U					17	6.6
4-Nitrophenol			330 U					330	130
N-Nitroso-diphenylamine			17 U					17	9.7
N-Nitroso-di-n-propylamine			17 U					17	5.6
Pentachlorophenol			170 U					170	44
Phenanthrene			17 U					17	1.0
Phenol			170 U					170	45

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QUALITY CONTROL REPORT

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

QC Batch: 0914525 (Continued) 3550B Sonication Extraction/USEPA-8270C

Method Blank (Continued) Analyzed: 12/07/2009 By: DMC
Unit: ug/kg wet Analytical Batch: 9L15017

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Pyrene			**1.3 J**					17	1.2
Pyridine			17 U					17	5.1
1,2,4-Trichlorobenzene			17 U					17	3.9
2,4,5-Trichlorophenol			17 U					17	2.5
2,4,6-Trichlorophenol			17 U					17	2.0
Surrogates:									
2-Fluorophenol				*78*	*33-113*				
Phenol-d6				*73*	*30-115*				
Nitrobenzene-d5				*79*	*33-131*				
2-Fluorobiphenyl				*92*	*46-122*				
2,4,6-Tribromophenol				*68*	*12-124*				
o-Terphenyl				*100*	*20-155*				

Laboratory Control Sample Analyzed: 12/07/2009 By: DMC
Unit: ug/kg wet Analytical Batch: 9L15017

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Acenaphthene		333	**311**	93	60-120			17	0.78
Acenaphthylene		333	**318**	96	56-138			17	1.7
Anthracene		333	**344**	103	63-134			17	2.6
Benzidine		667	**47.7**	**7**	10-74			670	17
Benzo(a)anthracene		333	**320**	96	53-142			17	1.1
Benzo(a)pyrene		333	**305**	92	54-136			17	1.4
Benzo(b)fluoranthene		333	**281**	84	49-146			17	2.9
Benzo(k)fluoranthene		333	**312**	94	56-136			17	1.3
Benzo(g,h,i)perylene		333	**307**	92	47-141			33	0.94
Benzoic Acid		327	**87.7**	27	10-98			330	10
Benzyl Alcohol		320	**216**	67	39-129			17	4.5
4-Bromophenyl Phenyl Ether		317	**318**	101	61-124			17	1.5
Butyl Benzyl Phthalate		317	**323**	102	51-145			33	4.9
Carbazole		333	**359**	108	76-126			330	84
4-Chloro-3-methylphenol		327	**282**	86	57-124			17	3.3
4-Chloroaniline		320	**60.0**	19	10-110			33	7.1
Bis(2-chloroethoxy)methane		317	**269**	85	57-121			17	1.2
Bis(2-chloroethyl) Ether		317	**255**	81	54-112			17	1.9
Bis(2-chloroisopropyl) Ether		317	**278**	88	62-116			17	6.6
2-Chloronaphthalene		333	**313**	94	67-111			17	2.2
2-Chlorophenol		327	**284**	87	62-118			17	3.8

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QUALITY CONTROL REPORT

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

QC Batch: 0914525 (Continued) 3550B Sonication Extraction/USEPA-8270C

Laboratory Control Sample (Continued) Analyzed: 12/07/2009 By: DMC

Unit: ug/kg wet Analytical Batch: 9L15017

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
4-Chlorophenyl Phenyl Ether		317	**301**	95	62-114			17	3.4
Chrysene		333	**330**	99	66-137			17	3.5
Dibenz(a,h)anthracene		333	**313**	94	52-142			33	7.7
Dibenzofuran		320	**298**	93	65-119			17	8.8
Di-n-butyl Phthalate		317	**476**	**150**	65-140			170	25
1,4-Dichlorobenzene		333	**303**	91	61-111			17	0.87
1,2-Dichlorobenzene		333	**309**	93	63-115			17	1.2
1,3-Dichlorobenzene		333	**283**	85	54-113			17	1.0
3,3´-Dichlorobenzidine		667	**217**	**33**	50-150			170	28
2,4-Dichlorophenol		327	**226**	69	50-128			17	3.4
Diethyl Phthalate		317	**304**	96	59-128			17	3.5
2,4-Dimethylphenol		327	**241**	74	40-122			330	1.5
Dimethyl Phthalate		317	**302**	95	66-122			17	0.87
4,6-Dinitro-2-methylphenol		327	**206**	63	26-136			67	20
2,4-Dinitrophenol		327	**156**	**48**	50-150			330	10
2,6-Dinitrotoluene		333	**301**	90	61-119			17	2.3
2,4-Dinitrotoluene		333	**307**	92	51-128			33	19
Di-n-octyl Phthalate		317	**340**	107	63-132			17	5.3
Bis(2-ethylhexyl) Phthalate		317	**310**	98	63-135			33	4.6
Fluoranthene		333	**344**	103	66-140			17	0.76
Fluorene		333	**313**	94	60-131			17	6.9
Hexachlorobenzene		333	**342**	102	34-141			17	4.3
Hexachlorobutadiene		333	**309**	93	56-128			17	3.4
Hexachlorocyclopentadiene		333	**296**	89	50-150			17	2.0
Hexachloroethane		333	**290**	87	60-111			17	2.5
Indeno(1,2,3-cd)pyrene		333	**326**	98	53-135			33	3.7
Isophorone		333	**286**	86	55-127			17	6.2
2-Methylnaphthalene		320	**338**	106	65-140			17	0.45
4-Methylphenol		327	**328**	100	58-132			17	4.4
3+4-Methylphenol		327	**328**	100	50-150			17	4.4
2-Methylphenol		327	**292**	89	58-113			17	4.8
Naphthalene		333	**308**	92	52-128			17	2.1
4-Nitroaniline		320	**242**	76	50-150			67	1.6
2-Nitroaniline		320	**262**	82	63-122			17	7.1
3-Nitroaniline		320	**122**	**38**	50-150			33	7.1
Nitrobenzene		333	**264**	79	50-150			17	5.2

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QUALITY CONTROL REPORT

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

QC Batch: 0914525 (Continued) 3550B Sonication Extraction/USEPA-8270C

Laboratory Control Sample (Continued) Analyzed: 12/07/2009 By: DMC
Unit: ug/kg wet Analytical Batch: 9L15017

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
2-Nitrophenol		327	**277**	85	50-150			17	6.6
4-Nitrophenol		327	**248**	76	36-131			330	130
N-Nitroso-diphenylamine		317	**212**	67	50-150			17	9.7
N-Nitroso-di-n-propylamine		317	**275**	87	54-115			17	5.6
Pentachlorophenol		327	**214**	66	19-117			170	44
Phenanthrene		333	**314**	94	58-134			17	1.0
Phenol		327	**211**	64	53-120			170	45
Pyrene		333	**331**	99	60-132			17	1.2
Pyridine		167	**94.7**	57	50-150			17	5.1
1,2,4-Trichlorobenzene		333	**290**	87	57-122			17	3.9
2,4,5-Trichlorophenol		327	**336**	103	61-126			17	2.5
2,4,6-Trichlorophenol		327	**234**	72	45-128			17	2.0
Surrogates:									
2-Fluorophenol				*82*	*33-113*				
Phenol-d6				*74*	*30-115*				
Nitrobenzene-d5				*85*	*33-131*				
2-Fluorobiphenyl				*94*	*46-122*				
2,4,6-Tribromophenol				*87*	*12-124*				
o-Terphenyl				*106*	*20-155*				

Matrix Spike 0911425-07 O-09-SD-1B Analyzed: 12/07/2009 By: DMC
Unit: ug/kg dry Analytical Batch: 9L15017

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Acenaphthene	1.70 J	421	**411**	97	23-140			21	0.99
Acenaphthylene	21 U	421	**396**	94	52-139			21	2.1
Anthracene	5.09 J	421	**337**	79	48-138			21	3.2
Benzidine	840 U	843	**83.0**	10	10-41			840	21
Benzo(a)anthracene	22.5	421	**546**	124	48-134			21	1.4
Benzo(a)pyrene	15.7 J	421	**392**	89	36-129			21	1.8
Benzo(b)fluoranthene	14.8 J	421	**480**	110	44-141			21	3.7
Benzo(k)fluoranthene	6.36 J	421	**306**	71	44-134			21	1.6
Benzo(g,h,i)perylene	8.06 J	421	**295**	68	36-146			42	1.2
Benzoic Acid	420 U	413	**322**	78	50-150			420	160
Benzyl Alcohol	21 U	404	**262**	65	50-150			21	5.7
4-Bromophenyl Phenyl Ether	21 U	400	**385**	96	47-139			21	1.9
Butyl Benzyl Phthalate	42 U	400	**468**	117	43-143			42	6.2
Carbazole	420 U	421	**301**	72	34-167			420	110

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QUALITY CONTROL REPORT

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

QC Batch: 0914525 (Continued) 3550B Sonication Extraction/USEPA-8270C

Matrix Spike (Continued) 0911425-07 O-09-SD-1B — Analyzed: 12/07/2009 By: DMC

Unit: ug/kg dry — Analytical Batch: 9L15017

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
4-Chloro-3-methylphenol	21 U	413	**384**	93	18-143			21	4.2
4-Chloroaniline	42 U	404	**164**	41	10-95			42	8.9
Bis(2-chloroethoxy)methane	21 U	400	**331**	83	38-144			21	1.6
Bis(2-chloroethyl) Ether	21 U	400	**330**	82	43-129			21	2.4
Bis(2-chloroisopropyl) Ether	21 U	400	**336**	84	48-133			21	8.4
2-Chloronaphthalene	21 U	421	**390**	93	42-138			21	2.7
2-Chlorophenol	21 U	413	**364**	88	25-154			21	4.8
4-Chlorophenyl Phenyl Ether	21 U	400	**381**	95	34-136			21	4.2
Chrysene	19.1 J	421	**372**	84	45-143			21	4.4
Dibenz(a,h)anthracene	42 U	421	**323**	77	38-149			42	9.7
Dibenzofuran	21 U	404	**379**	94	51-136			21	11
Di-n-butyl Phthalate	210 U	400	**534**	133	15-184			210	31
1,4-Dichlorobenzene	21 U	421	**303**	72	36-110			21	1.1
1,2-Dichlorobenzene	21 U	421	**332**	79	49-115			21	1.5
1,3-Dichlorobenzene	21 U	421	**243**	58	39-129			21	1.3
3,3´-Dichlorobenzidine	210 U	843	**552**	66	50-150			210	35
2,4-Dichlorophenol	21 U	413	**282**	68	38-131			21	4.3
Diethyl Phthalate	21 U	400	**408**	102	43-139			21	4.4
2,4-Dimethylphenol	420 U	413	**380**	92	22-136			420	1.9
Dimethyl Phthalate	21 U	400	**393**	98	50-138			21	1.1
4,6-Dinitro-2-methylphenol	84 U	413	**138**	33	10-114			84	26
2,4-Dinitrophenol	420 U	413	**149**	36	10-100			420	130
2,6-Dinitrotoluene	21 U	421	**396**	94	22-156			21	2.9
2,4-Dinitrotoluene	42 U	421	**404**	96	28-136			42	24
Di-n-octyl Phthalate	21 U	400	**486**	121	50-154			21	6.7
Bis(2-ethylhexyl) Phthalate	7.21 J	400	**469**	115	22-159			42	5.9
Fluoranthene	25.0	421	**410**	91	34-140			21	0.96
Fluorene	21 U	421	**416**	99	49-127			21	8.7
Hexachlorobenzene	21 U	421	**408**	97	49-134			21	5.4
Hexachlorobutadiene	21 U	421	**329**	78	47-127			21	4.3
Hexachlorocyclopentadiene	21 U	421	21 U		10-116			21	2.5
Hexachloroethane	21 U	421	**41.3**	**10**	33-137			21	3.1
Indeno(1,2,3-cd)pyrene	8.91 J	421	**358**	83	31-128			42	4.6
Isophorone	21 U	421	**374**	89	24-147			21	7.8
2-Methylnaphthalene	21 U	404	**512**	127	60-143			21	0.57
4-Methylphenol	21 U	413	**457**	111	25-156			21	5.6

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QUALITY CONTROL REPORT

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

QC Batch: 0914525 (Continued) 3550B Sonication Extraction/USEPA-8270C

Matrix Spike (Continued) 0911425-07 O-09-SD-1B — Analyzed: 12/07/2009 By: DMC
Unit: ug/kg dry — Analytical Batch: 9L15017

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
3+4-Methylphenol	21 U	413	**457**	111	47-120			21	5.6
2-Methylphenol	21 U	413	**370**	89	45-113			21	6.0
Naphthalene	21 U	421	**372**	88	32-138			21	2.6
4-Nitroaniline	84 U	404	**176**	44	21-140			84	2.0
2-Nitroaniline	21 U	404	**362**	89	48-140			21	9.0
3-Nitroaniline	42 U	404	**130**	32	10-154			42	8.9
Nitrobenzene	21 U	421	**295**	70	37-142			21	6.5
2-Nitrophenol	21 U	413	**375**	91	11-147			21	8.4
4-Nitrophenol	420 U	413	**263**	64	10-163			420	170
N-Nitroso-diphenylamine	21 U	400	**256**	64	41-106			21	12
N-Nitroso-di-n-propylamine	21 U	400	**349**	87	20-151			21	7.1
Pentachlorophenol	210 U	413	**343**	83	15-129			210	56
Phenanthrene	17.4 J	421	**467**	107	39-134			21	1.3
Phenol	210 U	413	**151**	37	23-140			210	57
Pyrene	42.0	421	**511**	111	39-145			21	1.5
Pyridine	21 U	211	**76.3**	**36**	65-135			21	6.5
1,2,4-Trichlorobenzene	21 U	421	**329**	78	43-116			21	4.9
2,4,5-Trichlorophenol	21 U	413	**443**	107	25-151			21	3.1
2,4,6-Trichlorophenol	21 U	413	**389**	94	10-159			21	2.6
Surrogates:									
2-Fluorophenol				*77*	*33-113*				
Phenol-d6				*82*	*30-115*				
Nitrobenzene-d5				*82*	*33-131*				
2-Fluorobiphenyl				*87*	*46-122*				
2,4,6-Tribromophenol				*94*	*12-124*				
o-Terphenyl				*89*	*20-155*				

Matrix Spike Duplicate 0911425-07 O-09-SD-1B — Analyzed: 12/07/2009 By: DMC
Unit: ug/kg dry — Analytical Batch: 9L15017

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Acenaphthene	1.70 J	420	**370**	88	23-140	11	19	21	0.99
Acenaphthylene	21 U	420	**364**	87	52-139	9	20	21	2.1
Anthracene	5.09 J	420	**307**	72	48-138	9	18	21	3.2
Benzidine	840 U	840	**86.9**	10	10-41	5	20	840	21
Benzo(a)anthracene	22.5	420	**507**	115	48-134	8	26	21	1.4
Benzo(a)pyrene	15.7 J	420	**460**	106	36-129	16	19	21	1.8
Benzo(b)fluoranthene	14.8 J	420	**446**	103	44-141	7	40	21	3.7

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QUALITY CONTROL REPORT

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

QC Batch: 0914525 (Continued) 3550B Sonication Extraction/USEPA-8270C

Matrix Spike Duplicate (Continued) 0911425-07 O-09-SD-1B — Analyzed: 12/07/2009 By: DMC

Unit: ug/kg dry — Analytical Batch: 9L15017

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Benzo(k)fluoranthene	6.36 J	420	**372**	87	44-134	**20**	15	21	1.6
Benzo(g,h,i)perylene	8.06 J	420	**280**	65	36-146	5	13	42	1.2
Benzoic Acid	420 U	412	**310**	75	50-150	4	40	420	160
Benzyl Alcohol	21 U	403	**262**	65	50-150	0.1	40	21	5.7
4-Bromophenyl Phenyl Ether	21 U	399	**338**	85	47-139	13	40	21	1.9
Butyl Benzyl Phthalate	42 U	399	**415**	104	43-143	12	40	42	6.2
Carbazole	420 U	420	**274**	65	34-167	9	40	420	110
4-Chloro-3-methylphenol	21 U	412	**372**	91	18-143	3	22	21	4.2
4-Chloroaniline	42 U	403	**155**	38	10-95	6	40	42	8.9
Bis(2-chloroethoxy)methane	21 U	399	**311**	78	38-144	6	40	21	1.6
Bis(2-chloroethyl) Ether	21 U	399	**307**	77	43-129	7	40	21	2.4
Bis(2-chloroisopropyl) Ether	21 U	399	**286**	72	48-133	16	40	21	8.4
2-Chloronaphthalene	21 U	420	**349**	83	42-138	11	40	21	2.7
2-Chlorophenol	21 U	412	**349**	85	25-154	4	16	21	4.8
4-Chlorophenyl Phenyl Ether	21 U	399	**347**	87	34-136	9	40	21	4.2
Chrysene	19.1 J	420	**352**	79	45-143	5	40	21	4.4
Dibenz(a,h)anthracene	42 U	420	**307**	73	38-149	5	22	42	9.7
Dibenzofuran	21 U	403	**349**	86	51-136	8	40	21	11
Di-n-butyl Phthalate	210 U	399	**317**	80	15-184	**51**	40	210	31
1,4-Dichlorobenzene	21 U	420	**201**	48	36-110	**40**	21	21	1.1
1,2-Dichlorobenzene	21 U	420	**241**	57	49-115	**32**	18	21	1.5
1,3-Dichlorobenzene	21 U	420	**152**	**36**	39-129	**46**	40	21	1.3
3,3´-Dichlorobenzidine	210 U	840	**561**	67	50-150	2	40	210	35
2,4-Dichlorophenol	21 U	412	**261**	63	38-131	8	40	21	4.3
Diethyl Phthalate	21 U	399	**379**	95	43-139	7	40	21	4.4
2,4-Dimethylphenol	420 U	412	**356**	86	22-136	7	40	420	1.9
Dimethyl Phthalate	21 U	399	**364**	91	50-138	8	40	21	1.1
4,6-Dinitro-2-methylphenol	84 U	412	**110**	27	10-114	22	40	84	26
2,4-Dinitrophenol	420 U	412	**105**	26	10-100	34	40	420	13
2,6-Dinitrotoluene	21 U	420	**371**	88	22-156	7	40	21	2.9
2,4-Dinitrotoluene	42 U	420	**377**	90	28-136	7	22	42	24
Di-n-octyl Phthalate	21 U	399	**468**	117	50-154	4	40	21	6.7
Bis(2-ethylhexyl) Phthalate	7.21 J	399	**429**	106	22-159	9	40	42	5.9
Fluoranthene	25.0	420	**319**	70	34-140	**25**	19	21	0.96
Fluorene	21 U	420	**379**	90	49-127	9	16	21	8.7
Hexachlorobenzene	21 U	420	**379**	90	49-134	7	20	21	5.4

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QUALITY CONTROL REPORT

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

QC Batch: 0914525 (Continued) 3550B Sonication Extraction/USEPA-8270C

Matrix Spike Duplicate (Continued) 0911425-07 O-09-SD-1B — Analyzed: 12/07/2009 By: DMC

Unit: ug/kg dry — Analytical Batch: 9L15017

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Hexachlorobutadiene	21 U	420	**229**	55	47-127	36	40	21	4.3
Hexachlorocyclopentadiene	21 U	420	21 U		10-116		40	21	2.5
Hexachloroethane	21 U	420	**18.9**	**5**	33-137	**74**	22	21	3.1
Indeno(1,2,3-cd)pyrene	8.91 J	420	**357**	83	31-128	0.2	18	42	4.6
Isophorone	21 U	420	**355**	85	24-147	5	40	21	7.8
2-Methylnaphthalene	21 U	403	**467**	116	60-143	9	40	21	0.57
4-Methylphenol	21 U	412	**450**	109	25-156	2	40	21	5.6
3+4-Methylphenol	21 U	412	**450**	109	47-120	2	40	21	5.6
2-Methylphenol	21 U	412	**338**	82	45-113	9	40	21	6.0
Naphthalene	21 U	420	**317**	76	32-138	16	18	21	2.6
4-Nitroaniline	84 U	403	**244**	60	21-140	32	40	84	2.0
2-Nitroaniline	21 U	403	**334**	83	48-140	8	20	21	9.0
3-Nitroaniline	42 U	403	**167**	41	10-154	25	40	42	8.9
Nitrobenzene	21 U	420	**262**	62	37-142	12	40	21	6.5
2-Nitrophenol	21 U	412	**373**	91	11-147	0.6	40	21	8.4
4-Nitrophenol	420 U	412	**229**	56	10-163	14	25	420	170
N-Nitroso-diphenylamine	21 U	399	**227**	57	41-106	12	40	21	12
N-Nitroso-di-n-propylamine	21 U	399	**336**	84	20-151	4	13	21	7.1
Pentachlorophenol	210 U	412	**281**	68	15-129	20	25	210	56
Phenanthrene	17.4 J	420	**408**	93	39-134	**14**	13	21	1.3
Phenol	210 U	412	**364**	88	23-140	**83**	15	210	57
Pyrene	42.0	420	**416**	89	39-145	20	24	21	1.5
Pyridine	21 U	210	**87.8**	**42**	65-135	14	25	21	6.5
1,2,4-Trichlorobenzene	21 U	420	**255**	61	43-116	25	26	21	4.9
2,4,5-Trichlorophenol	21 U	412	**427**	104	25-151	4	40	21	3.1
2,4,6-Trichlorophenol	21 U	412	**345**	84	10-159	12	40	21	2.6
Surrogates:									
2-Fluorophenol				*75*	*33-113*				
Phenol-d6				*81*	*30-115*				
Nitrobenzene-d5				*74*	*33-131*				
2-Fluorobiphenyl				*80*	*46-122*				
2,4,6-Tribromophenol				*85*	*12-124*				
o-Terphenyl				*83*	*20-155*				

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QUALITY CONTROL REPORT

Total Metals by EPA 6000/7000 Series Methods

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Analyte: Aluminum/USEPA-6010B										
QC Batch: 0914297 (3050B Digestion)							Analyzed: 12/03/2009		By: JMF	
Method Blank			10 U	mg/kg dry wt.					10	1.8
Laboratory Control Sample		125	**120**	mg/kg dry wt.	96	80-120			10	1.8
0911425-21 [LD-09-SD-3A]										
Matrix Spike	1960	124	**2540**	mg/kg dry wt.	**472**	75-125			10	1.8
Matrix Spike Duplicate	1960	121	**2820**	mg/kg dry wt.	**716**	75-125	11	20	10	1.8
QC Batch: 0914571 (3050B Digestion)							Analyzed: 12/03/2009		By: JMF	
Method Blank			10 U	mg/kg dry wt.					10	1.8
Laboratory Control Sample		125	**115**	mg/kg dry wt.	92	80-120			10	1.8
0911425-01 [P-09-SD-1A]										
Matrix Spike	1630	120	**2140**	mg/kg dry wt.	**428**	75-125			10	1.8
Matrix Spike Duplicate	1630	119	**2310**	mg/kg dry wt.	**572**	75-125	8	20	10	1.8
QC Batch: 0914665 (3050B Digestion)							Analyzed: 12/08/2009		By: KLV	
Method Blank			10 U	mg/kg dry wt.					10	1.8
Laboratory Control Sample		125	**127**	mg/kg dry wt.	102	80-120			10	1.8
0911479-01 [LU-09-SD-3A]										
Matrix Spike	1490	124	**2370**	mg/kg dry wt.	**713**	75-125			10	1.8
Matrix Spike Duplicate	1490	124	**2370**	mg/kg dry wt.	**707**	75-125	0.2	20	10	1.8
Analyte: Arsenic/USEPA-6020A										
QC Batch: 0914574 (3050B Digestion)							Analyzed: 12/07/2009		By: DSC	
Method Blank			0.10 U	mg/kg dry wt.					0.10	0.030
Laboratory Control Sample		20.0	**18.8**	mg/kg dry wt.	94	80-120			0.10	0.030
0911425-01 [P-09-SD-1A]										
Matrix Spike	3.91	18.9	**21.7**	mg/kg dry wt.	94	75-125			0.10	0.030
Matrix Spike Duplicate	3.91	19.0	**21.8**	mg/kg dry wt.	94	75-125	0.2	20	0.10	0.030
QC Batch: 0914666 (3050B Digestion)							Analyzed: 12/07/2009		By: DSC	
Method Blank			0.10 U	mg/kg dry wt.					0.10	0.030
Laboratory Control Sample		20.0	**19.1**	mg/kg dry wt.	95	80-120			0.10	0.030

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QUALITY CONTROL REPORT

Total Metals by EPA 6000/7000 Series Methods (Continued)

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Analyte: Arsenic/USEPA-6020A (Continued)										
QC Batch: 0914666 (Continued) (3050B Digestion)							Analyzed: 12/07/2009		By: DSC	
0911479-01 [LU-09-SD-3A]										
Matrix Spike	3.04	19.8	**22.0**	mg/kg dry wt.	96	75-125			0.10	0.030
Matrix Spike Duplicate	3.04	20.0	**22.1**	mg/kg dry wt.	95	75-125	0.5	20	0.10	0.030
QC Batch: 0914299 (3050B Digestion)							Analyzed: 11/30/2009		By: DWJ	
Method Blank			**0.060 J**	mg/kg dry wt.					0.10	0.030
Laboratory Control Sample		20.0	**17.2**	mg/kg dry wt.	86	80-120			0.10	0.030
0911425-21 [LD-09-SD-3A]										
Matrix Spike	5.35	19.6	**21.8**	mg/kg dry wt.	84	75-125			0.10	0.030
Matrix Spike Duplicate	5.35	19.4	**20.8**	mg/kg dry wt.	80	75-125	5	20	0.10	0.030
Analyte: Barium/USEPA-6020A										
QC Batch: 0914574 (3050B Digestion)							Analyzed: 12/07/2009		By: DSC	
Method Blank			0.10 U	mg/kg dry wt.					0.10	0.032
Laboratory Control Sample		20.0	**19.4**	mg/kg dry wt.	97	80-120			0.10	0.032
0911425-01 [P-09-SD-1A]										
Matrix Spike	14.2	18.9	**34.8**	mg/kg dry wt.	109	75-125			0.10	0.032
Matrix Spike Duplicate	14.2	19.0	**31.1**	mg/kg dry wt.	89	75-125	11	20	0.10	0.032
QC Batch: 0914666 (3050B Digestion)							Analyzed: 12/07/2009		By: DSC	
Method Blank			0.10 U	mg/kg dry wt.					0.10	0.032
Laboratory Control Sample		20.0	**19.9**	mg/kg dry wt.	99	80-120			0.10	0.032
0911479-01 [LU-09-SD-3A]										
Matrix Spike	17.7	19.8	**40.3**	mg/kg dry wt.	114	75-125			0.10	0.032
Matrix Spike Duplicate	17.7	20.0	**38.4**	mg/kg dry wt.	104	75-125	5	20	0.10	0.032
QC Batch: 0914299 (3050B Digestion)							Analyzed: 11/30/2009		By: DWJ	
Method Blank			0.10 U	mg/kg dry wt.					0.10	0.032
Laboratory Control Sample		20.0	**17.5**	mg/kg dry wt.	87	80-120			0.10	0.032
0911425-21 [LD-09-SD-3A]										
Matrix Spike	29.5	19.6	**47.8**	mg/kg dry wt.	93	75-125			0.10	0.032
Matrix Spike Duplicate	29.5	19.4	**44.4**	mg/kg dry wt.	77	75-125	7	20	0.10	0.032

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QUALITY CONTROL REPORT

Total Metals by EPA 6000/7000 Series Methods (Continued)

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Analyte: Cadmium/USEPA-6020A										
QC Batch: 0914574 (3050B Digestion)							Analyzed: 12/07/2009		By: DSC	
Method Blank			0.050 U	mg/kg dry wt.					0.050	0.0053
Laboratory Control Sample		20.0	**18.9**	mg/kg dry wt.	95	80-120			0.050	0.0053
0911425-01 [P-09-SD-1A]										
Matrix Spike	0.0531	18.9	**18.8**	mg/kg dry wt.	99	75-125			0.050	0.0053
Matrix Spike Duplicate	0.0531	19.0	**19.0**	mg/kg dry wt.	99	75-125	1	20	0.050	0.0053
QC Batch: 0914666 (3050B Digestion)							Analyzed: 12/07/2009		By: DSC	
Method Blank			0.050 U	mg/kg dry wt.					0.050	0.0053
Laboratory Control Sample		20.0	**18.6**	mg/kg dry wt.	93	80-120			0.050	0.0053
0911479-01 [LU-09-SD-3A]										
Matrix Spike	0.0628	19.8	**19.2**	mg/kg dry wt.	97	75-125			0.050	0.0053
Matrix Spike Duplicate	0.0628	20.0	**19.1**	mg/kg dry wt.	95	75-125	0.5	20	0.050	0.0053
QC Batch: 0914299 (3050B Digestion)							Analyzed: 11/30/2009		By: DWJ	
Method Blank			0.050 U	mg/kg dry wt.					0.050	0.0053
Laboratory Control Sample		20.0	**16.9**	mg/kg dry wt.	85	80-120			0.050	0.0053
0911425-21 [LD-09-SD-3A]										
Matrix Spike	0.0758	19.6	**17.2**	mg/kg dry wt.	88	75-125			0.050	0.0053
Matrix Spike Duplicate	0.0758	19.4	**16.8**	mg/kg dry wt.	86	75-125	3	20	0.050	0.0053
Analyte: Chromium/USEPA-6020A										
QC Batch: 0914574 (3050B Digestion)							Analyzed: 12/07/2009		By: DSC	
Method Blank			**0.064 J**	mg/kg dry wt.					0.10	0.045
Laboratory Control Sample		20.0	**19.2**	mg/kg dry wt.	96	80-120			0.10	0.045
0911425-01 [P-09-SD-1A]										
Matrix Spike	3.93	18.9	**22.7**	mg/kg dry wt.	99	75-125			0.10	0.045
Matrix Spike Duplicate	3.93	19.0	**26.1**	mg/kg dry wt.	117	75-125	14	20	0.10	0.045
QC Batch: 0914666 (3050B Digestion)							Analyzed: 12/07/2009		By: DSC	
Method Blank			**0.10**	mg/kg dry wt.					0.10	0.045
*Laboratory Control Sample		20.0	**18.7 B**	mg/kg dry wt.	93	80-120			0.10	0.045

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QUALITY CONTROL REPORT

Total Metals by EPA 6000/7000 Series Methods (Continued)

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Analyte: Chromium/USEPA-6020A (Continued)										
QC Batch: 0914666 (Continued) (3050B Digestion)							Analyzed: 12/07/2009		By: DSC	
0911479-01 [LU-09-SD-3A]										
*Matrix Spike	6.98B	19.8	**23.8 B**	mg/kg dry wt.	85	75-125			0.10	0.045
*Matrix Spike Duplicate	6.98B	20.0	**27.0 B**	mg/kg dry wt.	100	75-125	13	20	0.10	0.045
QC Batch: 0914299 (3050B Digestion)							Analyzed: 11/30/2009		By: DWJ	
Method Blank			0.10 U	mg/kg dry wt.					0.10	0.045
Laboratory Control Sample		20.0	**18.1**	mg/kg dry wt.	90	80-120			0.10	0.045
0911425-21 [LD-09-SD-3A]										
Matrix Spike	13.2	19.6	**30.6**	mg/kg dry wt.	89	75-125			0.10	0.045
Matrix Spike Duplicate	13.2	19.4	**30.7**	mg/kg dry wt.	90	75-125	0.4	20	0.10	0.045
Analyte: Copper/USEPA-6020A										
QC Batch: 0914574 (3050B Digestion)							Analyzed: 12/07/2009		By: DSC	
Method Blank			**0.16**	mg/kg dry wt.					0.10	0.043
*Laboratory Control Sample		20.0	**19.5 B**	mg/kg dry wt.	98	80-120			0.10	0.043
0911425-01 [P-09-SD-1A]										
*Matrix Spike	2.29B	18.9	**20.1 B**	mg/kg dry wt.	94	75-125			0.10	0.043
*Matrix Spike Duplicate	2.29B	19.0	**20.4 B**	mg/kg dry wt.	95	75-125	2	20	0.10	0.043
QC Batch: 0914666 (3050B Digestion)							Analyzed: 12/07/2009		By: DSC	
Method Blank			0.10 U	mg/kg dry wt.					0.10	0.043
Laboratory Control Sample		20.0	**19.3**	mg/kg dry wt.	97	80-120			0.10	0.043
0911479-01 [LU-09-SD-3A]										
Matrix Spike	4.66	19.8	**22.7**	mg/kg dry wt.	91	75-125			0.10	0.043
Matrix Spike Duplicate	4.66	20.0	**21.7**	mg/kg dry wt.	86	75-125	4	20	0.10	0.043
QC Batch: 0914299 (3050B Digestion)							Analyzed: 11/30/2009		By: DWJ	
Method Blank			0.10 U	mg/kg dry wt.					0.10	0.043
Laboratory Control Sample		20.0	**18.0**	mg/kg dry wt.	90	80-120			0.10	0.043
0911425-21 [LD-09-SD-3A]										
Matrix Spike	8.02	19.6	**24.1**	mg/kg dry wt.	82	75-125			0.10	0.043
Matrix Spike Duplicate	8.02	19.4	**24.1**	mg/kg dry wt.	83	75-125	0.2	20	0.10	0.043

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QUALITY CONTROL REPORT

Total Metals by EPA 6000/7000 Series Methods (Continued)

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Analyte: Lead/USEPA-6020A										
QC Batch: 0914574 (3050B Digestion)							Analyzed: 12/07/2009		By: DSC	
Method Blank			0.10 U	mg/kg dry wt.					0.10	0.049
Laboratory Control Sample		20.0	**19.8**	mg/kg dry wt.	99	80-120			0.10	0.049
0911425-01 [P-09-SD-1A]										
Matrix Spike	7.92	18.9	**27.0**	mg/kg dry wt.	101	75-125			0.10	0.049
Matrix Spike Duplicate	7.92	19.0	**25.9**	mg/kg dry wt.	94	75-125	4	20	0.10	0.049
QC Batch: 0914666 (3050B Digestion)							Analyzed: 12/07/2009		By: DSC	
Method Blank			0.10 U	mg/kg dry wt.					0.10	0.049
Laboratory Control Sample		20.0	**19.5**	mg/kg dry wt.	98	80-120			0.10	0.049
0911479-01 [LU-09-SD-3A]										
Matrix Spike	2.76	19.8	**22.0**	mg/kg dry wt.	97	75-125			0.10	0.049
Matrix Spike Duplicate	2.76	20.0	**22.1**	mg/kg dry wt.	97	75-125	0.7	20	0.10	0.049
QC Batch: 0914299 (3050B Digestion)							Analyzed: 11/30/2009		By: DWJ	
Method Blank			0.10 U	mg/kg dry wt.					0.10	0.049
Laboratory Control Sample		20.0	**17.6**	mg/kg dry wt.	88	80-120			0.10	0.049
0911425-21 [LD-09-SD-3A]										
Matrix Spike	11.1	19.6	**21.3**	mg/kg dry wt.	**52**	75-125			0.10	0.049
Matrix Spike Duplicate	11.1	19.4	**20.9**	mg/kg dry wt.	**51**	75-125	2	20	0.10	0.049
Analyte: Mercury/USEPA-7471A										
QC Batch: 0914503 (7471A Mercury Digestion)							Analyzed: 12/02/2009		By: DSC	
Method Blank			0.050 U	mg/kg dry wt.					0.050	0.0080
Laboratory Control Sample		0.333	**0.354**	mg/kg dry wt.	106	80-120			0.050	0.0080
0911425-01 [P-09-SD-1A]										
Matrix Spike	<RL	0.326	**0.322**	mg/kg dry wt.	99	80-120			0.050	0.0080
Matrix Spike Duplicate	<RL	0.333	**0.339**	mg/kg dry wt.	102	80-120	5	20	0.050	0.0080
QC Batch: 0914504 (7471A Mercury Digestion)							Analyzed: 12/02/2009		By: DSC	
Method Blank			0.050 U	mg/kg dry wt.					0.050	0.0080
Laboratory Control Sample		0.333	**0.304**	mg/kg dry wt.	91	80-120			0.050	0.0080

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QUALITY CONTROL REPORT

Total Metals by EPA 6000/7000 Series Methods (Continued)

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Analyte: Mercury/USEPA-7471A (Continued)										
QC Batch: 0914504 (Continued) (7471A Mercury Digestion)							Analyzed: 12/02/2009		By: DSC	
0911425-21 [LD-09-SD-3A]										
Matrix Spike	<RL	0.323	**0.306**	mg/kg dry wt.	95	80-120			0.050	0.0080
Matrix Spike Duplicate	<RL	0.326	**0.289**	mg/kg dry wt.	89	80-120	6	20	0.050	0.0080
QC Batch: 0914766 (7471A Mercury Digestion)							Analyzed: 12/09/2009		By: KLV	
Method Blank			0.020 U	mg/kg dry wt.					0.020	0.0080
Laboratory Control Sample		0.333	**0.345**	mg/kg dry wt.	104	80-120			0.050	0.0080
0911479-01 [LU-09-SD-3A]										
Matrix Spike	<RL	0.328	**0.311**	mg/kg dry wt.	95	80-120			0.050	0.0080
Matrix Spike Duplicate	<RL	0.308	**0.301**	mg/kg dry wt.	98	80-120	3	20	0.046	0.0074
Analyte: Nickel/USEPA-6020A										
QC Batch: 0914574 (3050B Digestion)							Analyzed: 12/07/2009		By: DSC	
Method Blank			0.10 U	mg/kg dry wt.					0.10	0.025
Laboratory Control Sample		20.0	**19.2**	mg/kg dry wt.	96	80-120			0.10	0.025
0911425-01 [P-09-SD-1A]										
Matrix Spike	3.87	18.9	**21.7**	mg/kg dry wt.	94	75-125			0.10	0.025
Matrix Spike Duplicate	3.87	19.0	**23.5**	mg/kg dry wt.	103	75-125	8	20	0.10	0.025
QC Batch: 0914666 (3050B Digestion)							Analyzed: 12/07/2009		By: DSC	
Method Blank			0.10 U	mg/kg dry wt.					0.10	0.025
Laboratory Control Sample		20.0	**18.7**	mg/kg dry wt.	93	80-120			0.10	0.025
0911479-01 [LU-09-SD-3A]										
Matrix Spike	4.37	19.8	**22.1**	mg/kg dry wt.	90	75-125			0.10	0.025
Matrix Spike Duplicate	4.37	20.0	**23.5**	mg/kg dry wt.	96	75-125	6	20	0.10	0.025
QC Batch: 0914299 (3050B Digestion)							Analyzed: 11/30/2009		By: DWJ	
Method Blank			0.10 U	mg/kg dry wt.					0.10	0.025
Laboratory Control Sample		20.0	**17.7**	mg/kg dry wt.	88	80-120			0.10	0.025
0911425-21 [LD-09-SD-3A]										
Matrix Spike	7.42	19.6	**23.5**	mg/kg dry wt.	82	75-125			0.10	0.025
Matrix Spike Duplicate	7.42	19.4	**23.5**	mg/kg dry wt.	83	75-125	0.06	20	0.10	0.025

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QUALITY CONTROL REPORT

Total Metals by EPA 6000/7000 Series Methods (Continued)

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Analyte: Selenium/USEPA-6020A										
QC Batch: 0914299 (3050B Digestion)							Analyzed: 12/01/2009		By: DWJ	
Method Blank			0.10 U	mg/kg dry wt.					0.10	0.049
Laboratory Control Sample		20.0	**16.3**	mg/kg dry wt.	82	80-120			0.10	0.049
0911425-21 [LD-09-SD-3A]										
Matrix Spike	0.188	19.6	**15.4**	mg/kg dry wt.	78	75-125			0.10	0.049
Matrix Spike Duplicate	0.188	19.4	**15.9**	mg/kg dry wt.	81	75-125	3	20	0.10	0.049
QC Batch: 0914574 (3050B Digestion)							Analyzed: 12/07/2009		By: DSC	
Method Blank			0.10 U	mg/kg dry wt.					0.10	0.049
Laboratory Control Sample		20.0	**17.8**	mg/kg dry wt.	89	80-120			0.10	0.049
0911425-01 [P-09-SD-1A]										
Matrix Spike	0.0704	18.9	**16.9**	mg/kg dry wt.	89	75-125			0.10	0.049
Matrix Spike Duplicate	0.0704	19.0	**17.5**	mg/kg dry wt.	92	75-125	4	20	0.10	0.049
QC Batch: 0914666 (3050B Digestion)							Analyzed: 12/07/2009		By: DWJ	
Method Blank			0.10 U	mg/kg dry wt.					0.10	0.049
Laboratory Control Sample		20.0	**18.4**	mg/kg dry wt.	92	80-120			0.10	0.049
0911479-01 [LU-09-SD-3A]										
Matrix Spike	0.0893	19.8	**18.1**	mg/kg dry wt.	91	75-125			0.10	0.049
Matrix Spike Duplicate	0.0893	20.0	**18.2**	mg/kg dry wt.	91	75-125	0.5	20	0.10	0.049
Analyte: Silver/USEPA-6020A										
QC Batch: 0914574 (3050B Digestion)							Analyzed: 12/07/2009		By: DSC	
Method Blank			0.050 U	mg/kg dry wt.					0.050	0.011
Laboratory Control Sample		20.0	**19.7**	mg/kg dry wt.	99	80-120			0.050	0.011
0911425-01 [P-09-SD-1A]										
Matrix Spike	0.0424	18.9	**18.3**	mg/kg dry wt.	96	75-125			0.050	0.011
Matrix Spike Duplicate	0.0424	19.0	**18.6**	mg/kg dry wt.	97	75-125	2	20	0.050	0.011
QC Batch: 0914666 (3050B Digestion)							Analyzed: 12/07/2009		By: DSC	
Method Blank			0.050 U	mg/kg dry wt.					0.050	0.011
Laboratory Control Sample		20.0	**19.5**	mg/kg dry wt.	97	80-120			0.050	0.011

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QUALITY CONTROL REPORT

Total Metals by EPA 6000/7000 Series Methods (Continued)

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Analyte: Silver/USEPA-6020A (Continued)										
QC Batch: 0914666 (Continued) (3050B Digestion)							Analyzed: 12/07/2009		By: DSC	
0911479-01 [LU-09-SD-3A]										
Matrix Spike	0.0379	19.8	**19.3**	mg/kg dry wt.	97	75-125			0.050	0.011
Matrix Spike Duplicate	0.0379	20.0	**19.0**	mg/kg dry wt.	95	75-125	1	20	0.050	0.011
QC Batch: 0914299 (3050B Digestion)							Analyzed: 11/30/2009		By: DWJ	
Method Blank			0.050 U	mg/kg dry wt.					0.050	0.011
Laboratory Control Sample		20.0	**17.1**	mg/kg dry wt.	86	80-120			0.050	0.011
0911425-21 [LD-09-SD-3A]										
Matrix Spike	0.0392	19.6	**16.5**	mg/kg dry wt.	84	75-125			0.050	0.011
Matrix Spike Duplicate	0.0392	19.4	**16.2**	mg/kg dry wt.	83	75-125	2	20	0.050	0.011
Analyte: Zinc/USEPA-6020A										
QC Batch: 0914574 (3050B Digestion)							Analyzed: 12/07/2009		By: DSC	
Method Blank			1.0 U	mg/kg dry wt.					1.0	0.44
Laboratory Control Sample		20.0	**18.2**	mg/kg dry wt.	91	80-120			1.0	0.44
0911425-01 [P-09-SD-1A]										
Matrix Spike	12.2	18.9	**30.3**	mg/kg dry wt.	96	75-125			1.0	0.44
Matrix Spike Duplicate	12.2	19.0	**29.0**	mg/kg dry wt.	89	75-125	4	20	1.0	0.44
QC Batch: 0914666 (3050B Digestion)							Analyzed: 12/07/2009		By: DSC	
Method Blank			1.0 U	mg/kg dry wt.					1.0	0.44
Laboratory Control Sample		20.0	**19.3**	mg/kg dry wt.	97	80-120			1.0	0.44
0911479-01 [LU-09-SD-3A]										
Matrix Spike	15.8	19.8	**33.2**	mg/kg dry wt.	88	75-125			1.0	0.44
Matrix Spike Duplicate	15.8	20.0	**33.3**	mg/kg dry wt.	87	75-125	0.1	20	1.0	0.44
QC Batch: 0914299 (3050B Digestion)							Analyzed: 11/30/2009		By: DWJ	
Method Blank			**1.3**	mg/kg dry wt.					1.0	0.44
*Laboratory Control Sample		20.0	**17.7 B**	mg/kg dry wt.	88	80-120			1.0	0.44
0911425-21 [LD-09-SD-3A]										
*Matrix Spike	35.3B	19.6	**41.9 B**	mg/kg dry wt.	**34**	75-125			1.0	0.44
*Matrix Spike Duplicate	35.3B	19.4	**39.6 B**	mg/kg dry wt.	**22**	75-125	6	20	1.0	0.44

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QUALITY CONTROL REPORT

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Analyte: Carbon, Total Organic/MSA 29-3.5.2										
QC Batch: 0915071 (Method-Specific Preparation)							Analyzed: 12/15/2009		By: HLB	
Method Blank			0.10 U	%					0.10	0.0062
Laboratory Control Sample		1.00	**1.23**	%	123	92-138			0.10	0.0062
0911479-06 [L-09-SD-3B]										
Duplicate	1.95		**2.00**	%			3	20	0.10	0.0062
QC Batch: 0915078 (Method-Specific Preparation)							Analyzed: 12/15/2009		By: HLB	
Method Blank			0.10 U	%					0.10	0.0062
Laboratory Control Sample		1.00	**1.23**	%	123	92-138			0.10	0.0062
0911425-20 [LD-09-SD-2B]										
Duplicate	0.877		**0.877**	%			0	20	0.10	0.0062
Analyte: Chromium, Hexavalent/USEPA-7196A										
QC Batch: 0914375 (3060A Alkaline Digestion)							Analyzed: 12/06/2009		By: HLB	
Method Blank			2.0 U	mg/kg wet					2.0	0.15
Laboratory Control Sample		40.0	**33.8**	mg/kg wet	84	72-117			2.0	0.15
Laboratory Control Sample		947	**744**	mg/kg wet	79	72-117			200	15
0911425-06 [O-09-SD-1A]										
Matrix Spike	0.247	936	**930**	mg/kg dry	99	46-126			240	18
Matrix Spike	0.247	47.6	**44.9**	mg/kg dry	94	46-126			2.4	0.18
Duplicate	0.247 J		**0.307 J**	mg/kg dry			**22**	20	2.4	0.18
QC Batch: 0914376 (3060A Alkaline Digestion)							Analyzed: 12/06/2009		By: HLB	
Method Blank			**0.19 J**	mg/kg wet					2.0	0.15
Laboratory Control Sample		787	**672**	mg/kg wet	85	72-117			200	15
Laboratory Control Sample		40.0	**34.1**	mg/kg wet	85	72-117			2.0	0.15
0911479-04 [L-09-SD-1A]										
Matrix Spike	0.276	910	**680**	mg/kg dry	75	46-126			230	17
Matrix Spike	0.276	41.7	**36.2**	mg/kg dry	86	46-126			2.1	0.16
Duplicate	0.276 J		**0.188 J**	mg/kg dry			**38**	20	2.1	0.16
Analyte: Cyanide, Available/USEPA OIA-1677										
QC Batch: 0914691 (Method-Specific Preparation)							Analyzed: 12/04/2009		By: VAS	
Method Blank			**0.014 J**	mg/kg wet					0.040	0.0064

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QUALITY CONTROL REPORT

Physical / Chemical Parameters by EPA / APHA / ASTM Methods (Continued)

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Analyte: Cyanide, Available/USEPA OIA-1677 (Continued)										
QC Batch: 0914691 (Continued) (Method-Specific Preparation)							Analyzed: 12/04/2009		By: VAS	
Laboratory Control Sample		0.200	**0.169**	mg/kg wet	85	82-132			0.040	0.0064
Analyte: Cyanide, Total/USEPA-9014										
QC Batch: 0914092 (9010B Cyanide Distillation)							Analyzed: 12/03/2009		By: LMA	
Laboratory Control Sample		1.00	**0.988**	mg/kg wet	99	90-110			0.10	0.067
QC Batch: 0914282 (9010B Cyanide Distillation)							Analyzed: 12/03/2009		By: LMA	
Method Blank			0.10 U	mg/kg wet					0.10	0.067
Laboratory Control Sample		0.500	**0.470**	mg/kg wet	94	90-110			0.10	0.067
Laboratory Control Sample		1.00	**0.980**	mg/kg wet	98	90-110			0.10	0.067
QC Batch: 0914092 (9010B Cyanide Distillation)							Analyzed: 11/25/2009		By: LMA	
Method Blank			0.10 U	mg/kg wet					0.10	0.067
Method Blank			0.10 U	mg/kg wet					0.10	0.067
Laboratory Control Sample		0.500	**0.467**	mg/kg wet	93	90-110			0.10	0.067
Laboratory Control Sample		0.500	**0.469**	mg/kg wet	94	90-110			0.10	0.067
Laboratory Control Sample		1.00	**0.918**	mg/kg wet	92	90-110			0.10	0.067
QC Batch: 0914282 (9010B Cyanide Distillation)							Analyzed: 11/25/2009		By: LMA	
Method Blank			0.10 U	mg/kg wet					0.10	0.067
Laboratory Control Sample		0.500	**0.456**	mg/kg wet	91	90-110			0.10	0.067
Laboratory Control Sample		1.00	**0.924**	mg/kg wet	92	90-110			0.10	0.067
0911425-16 [N-09-SD-3A]										
Matrix Spike	<RL	1.40	**1.39**	mg/kg dry	100	51-126			0.14	0.093
Matrix Spike Duplicate	<RL	1.40	**1.39**	mg/kg dry	100	51-126	0.2	20	0.14	0.093
Analyte: Fractional Organic Carbon/ASTM D 2974-87										
QC Batch: 0914708 (Method-Specific Preparation)							Analyzed: 12/13/2009		By: HLB	
Method Blank			0.0010 U	g C/g Soil					0.0010	0.0010
0911425-22 [L-09-SD-2A]										
Duplicate	0.0057		**0.0062**	g C/g Soil			9	20	0.0010	0.0010

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QUALITY CONTROL REPORT

Physical/Chemical Parameters by EPA/APHA/ASTM Methods (Continued)

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Analyte: Fractional Organic Carbon/ASTM D 2974-87 (Continued)										
QC Batch: 0914709 (Method-Specific Preparation)							Analyzed: 12/13/2009		By: HLB	
Method Blank			0.0010 U	g C/g Soil					0.0010	0.0010
0911479-06 [L-09-SD-3B]										
Duplicate	0.0151		**0.0179**	g C/g Soil			17	20	0.0010	0.0010
Analyte: Percent Solids/USEPA-3550B										
QC Batch: 0914684 (General Inorganic Prep)							Analyzed: 12/04/2009		By: MSM	
Method Blank			0.1 U	%					0.1	0.1
0911479-01 [LU-09-SD-3A]										
Duplicate	77		**75**	%			2	20	0.1	0.1
QC Batch: 0914380 (General Inorganic Prep)							Analyzed: 11/29/2009		By: MSM	
Method Blank			0.1 U	%					0.1	0.1
0911425-01 [P-09-SD-1A]										
Duplicate	83		**82**	%			1	20	0.1	0.1
QC Batch: 0914439 (General Inorganic Prep)							Analyzed: 11/30/2009		By: MSM	
Method Blank			0.1 U	%					0.1	0.1
0911425-17 [N-09-SD-3B]										
Duplicate	76		**77**	%			1	20	0.1	0.1

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STATEMENT OF DATA QUALIFICATIONS

Volatile Organic Compounds by EPA Method 8260B

Qualification: The LCS recovery was less than the lower control limit but greater than or equal to 10%. A positive result for this analyte in the associated QC batch is considered estimated; a non-detect result for the same analyte is considered as approximate.

Analysis: USEPA-8260B

Sample/Analyte:			
	0911479-01	LU-09-SD-3A	Carbon Disulfide
	0911479-02	LU-09-SD-1A	Carbon Disulfide
	0911479-03	LU-09-SD-2A	Carbon Disulfide
	0911479-04	L-09-SD-1A	Carbon Disulfide
	0911479-05	L-09-SD-3A	Carbon Disulfide
	0911479-06	L-09-SD-3B	Carbon Disulfide
	0911479-07	FB1113-1	Carbon Disulfide

Qualification: The LCS and/or LCSD recovery exceeded the upper control limit. A positive result for this analyte in any sample from the associated QC batch is considered estimated. Non-detectable results are not qualified.

Analysis: USEPA-8260B

Sample/Analyte:			
	0911425-01	P-09-SD-1A	Trichlorofluoromethane
	0911425-02	P-09-SD-1B	Trichlorofluoromethane
	0911425-03	P-09-SD-2A	Trichlorofluoromethane
	0911425-04	P-09-SD-2B	Trichlorofluoromethane
	0911425-05	P-09-SD-3A	Trichlorofluoromethane
	0911425-06	O-09-SD-1A	Trichlorofluoromethane
	0911425-07	O-09-SD-1B	Trichlorofluoromethane
	0911425-08	O-09-SD-2A	Trichlorofluoromethane
	0911425-09	03: FB1119-1	Trichlorofluoromethane
	0911425-10	O-09-SD-3A	Trichlorofluoromethane
	0911425-11	N-09-SD-1A	Trichlorofluoromethane
	0911425-12	N-09-SD-1B	Trichlorofluoromethane
	0911425-13	03: FB1119-2	Trichlorofluoromethane
	0911425-14	N-09-SD-2A	Trichlorofluoromethane
	0911425-15	N-09-SD-2B	Trichlorofluoromethane
	0911425-16	N-09-SD-3A	Trichlorofluoromethane
	0911425-17	N-09-SD-3B	Trichlorofluoromethane
	0911425-18	LD-09-SD-1A	Trichlorofluoromethane
	0911425-19	LD-09-SD-2A	Trichlorofluoromethane
	0911425-20	LD-09-SD-2B	Trichlorofluoromethane
	0911425-21	LD-09-SD-3A	Trichlorofluoromethane
	0911425-22	L-09-SD-2A	Trichlorofluoromethane
	0911425-23	DUP-SD-1	Trichlorofluoromethane
	0911479-01	LU-09-SD-3A	Acrolein
	0911479-02	LU-09-SD-1A	Acrolein
	0911479-03	LU-09-SD-2A	Acrolein
	0911479-04	L-09-SD-1A	Acrolein
	0911479-05	L-09-SD-3A	Acrolein
	0911479-06	L-09-SD-3B	Acrolein
	0911479-07	FB1113-1	Acrolein

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STATEMENT OF DATA QUALIFICATIONS

Volatile Organic Compounds by EPA Method 8260B (Continued)

Qualification: The analyte concentration in the associated MB was greater than the MDL but less than the RL. The positive sample result, which was less than 5 times the MB value, is considered estimated.

Analysis: USEPA-8260B

Sample/Analyte:		
0911425-01	P-09-SD-1A	Acetone
0911425-01	P-09-SD-1A	Methylene Chloride
0911425-02	P-09-SD-1B	Acetone
0911425-02	P-09-SD-1B	Methylene Chloride
0911425-03	P-09-SD-2A	Acetone
0911425-03	P-09-SD-2A	Methylene Chloride
0911425-04	P-09-SD-2B	Acetone
0911425-04	P-09-SD-2B	Methylene Chloride
0911425-05	P-09-SD-3A	Acetone
0911425-05	P-09-SD-3A	Methylene Chloride
0911425-06	O-09-SD-1A	Acetone
0911425-06	O-09-SD-1A	Methylene Chloride
0911425-07	O-09-SD-1B	Acetone
0911425-07	O-09-SD-1B	Methylene Chloride
0911425-08	O-09-SD-2A	Acetone
0911425-08	O-09-SD-2A	Methylene Chloride
0911425-09	03: FB1119-1	Acetone
0911425-09	03: FB1119-1	Methylene Chloride
0911425-10	O-09-SD-3A	Acetone
0911425-10	O-09-SD-3A	Methylene Chloride
0911425-11	N-09-SD-1A	Acetone
0911425-11	N-09-SD-1A	Methylene Chloride
0911425-12	N-09-SD-1B	Acetone
0911425-12	N-09-SD-1B	Methylene Chloride
0911425-13	03: FB1119-2	Acetone
0911425-13	03: FB1119-2	Methylene Chloride
0911425-14	N-09-SD-2A	Acetone
0911425-14	N-09-SD-2A	Methylene Chloride
0911425-15	N-09-SD-2B	Acetone
0911425-15	N-09-SD-2B	Methylene Chloride
0911425-16	N-09-SD-3A	Acetone
0911425-16	N-09-SD-3A	Methylene Chloride
0911425-17	N-09-SD-3B	Acetone
0911425-17	N-09-SD-3B	Methylene Chloride
0911425-18	LD-09-SD-1A	Acetone
0911425-18	LD-09-SD-1A	Methylene Chloride
0911425-19	LD-09-SD-2A	Acetone
0911425-19	LD-09-SD-2A	Methylene Chloride
0911425-20	LD-09-SD-2B	Acetone
0911425-20	LD-09-SD-2B	Methylene Chloride
0911425-21	LD-09-SD-3A	Acetone
0911425-21	LD-09-SD-3A	Methylene Chloride
0911425-22	L-09-SD-2A	Acetone
0911425-22	L-09-SD-2A	Methylene Chloride
0911425-23	DUP-SD-1	Acetone
0911425-23	DUP-SD-1	Methylene Chloride

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STATEMENT OF DATA QUALIFICATIONS

Volatile Organic Compounds by EPA Method 8260B (Continued)

Qualification: The MS and/or MSD recovery was outside the control limit. The non-spiked sample result is considered estimated.

Analysis: USEPA-8260B

Sample/Analyte:			
	0911425-01	P-09-SD-1A	Bromoform
	0911425-17	N-09-SD-3B	Bromoform

Qualification: The MS and/or MSD recovery exceeded the upper control limit. The non-spiked sample result for the same analyte was non-detect and is not qualified.

Analysis: USEPA-8260B

Sample/Analyte:			
	0911425-17	N-09-SD-3B	Trichlorofluoromethane
	0911479-03	LU-09-SD-2A	1,2,3-Trichlorobenzene
	0911479-03	LU-09-SD-2A	1,2,3-Trichloropropane
	0911479-03	LU-09-SD-2A	1,2,4-Trimethylbenzene
	0911479-03	LU-09-SD-2A	1,2-Dichlorobenzene
	0911479-03	LU-09-SD-2A	1,3,5-Trimethylbenzene
	0911479-03	LU-09-SD-2A	1,3-Dichlorobenzene
	0911479-03	LU-09-SD-2A	1,4-Dichlorobenzene
	0911479-03	LU-09-SD-2A	2-Chlorotoluene
	0911479-03	LU-09-SD-2A	4-Chlorotoluene
	0911479-03	LU-09-SD-2A	Acrolein
	0911479-03	LU-09-SD-2A	Bromobenzene
	0911479-03	LU-09-SD-2A	Hexachlorobutadiene

Qualification: The MS or MSD recovery, but not both, was outside the control limit. The RPD is within the control limit. The unspiked sample result is not qualified.

Analysis: USEPA-8260B

Sample/Analyte:			
	0911425-01	P-09-SD-1A	Trichlorofluoromethane

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STATEMENT OF DATA QUALIFICATIONS

Semivolatile Organic Compounds by EPA Method 8270C

Qualification: The LCS recovery was less than the lower control limit but greater than or equal to 10%. A positive result for this analyte in the associated QC batch is considered estimated; a non-detect result for the same analyte is considered as approximate.

Analysis: USEPA-8270C

Sample/Analyte:		
0911425-01	P-09-SD-1A	3,3´-Dichlorobenzidine
0911425-01	P-09-SD-1A	3-Nitroaniline
0911425-01	P-09-SD-1A	4-Nitroaniline
0911425-02	P-09-SD-1B	3,3´-Dichlorobenzidine
0911425-02	P-09-SD-1B	3-Nitroaniline
0911425-02	P-09-SD-1B	4-Nitroaniline
0911425-03	P-09-SD-2A	3,3´-Dichlorobenzidine
0911425-03	P-09-SD-2A	3-Nitroaniline
0911425-03	P-09-SD-2A	4-Nitroaniline
0911425-04	P-09-SD-2B	3,3´-Dichlorobenzidine
0911425-04	P-09-SD-2B	3-Nitroaniline
0911425-04	P-09-SD-2B	4-Nitroaniline
0911425-05	P-09-SD-3A	2,4-Dinitrophenol
0911425-05	P-09-SD-3A	3,3´-Dichlorobenzidine
0911425-05	P-09-SD-3A	3-Nitroaniline
0911425-06	O-09-SD-1A	2,4-Dinitrophenol
0911425-06	O-09-SD-1A	3,3´-Dichlorobenzidine
0911425-06	O-09-SD-1A	3-Nitroaniline
0911425-07	O-09-SD-1B	2,4-Dinitrophenol
0911425-07	O-09-SD-1B	3,3´-Dichlorobenzidine
0911425-07	O-09-SD-1B	3-Nitroaniline
0911425-08	O-09-SD-2A	2,4-Dinitrophenol
0911425-08	O-09-SD-2A	3,3´-Dichlorobenzidine
0911425-08	O-09-SD-2A	3-Nitroaniline
0911425-10	O-09-SD-3A	2,4-Dinitrophenol
0911425-10	O-09-SD-3A	3,3´-Dichlorobenzidine
0911425-10	O-09-SD-3A	3-Nitroaniline
0911425-11	N-09-SD-1A	2,4-Dinitrophenol
0911425-11	N-09-SD-1A	3,3´-Dichlorobenzidine
0911425-11	N-09-SD-1A	3-Nitroaniline
0911425-12	N-09-SD-1B	2,4-Dinitrophenol
0911425-12	N-09-SD-1B	3,3´-Dichlorobenzidine
0911425-12	N-09-SD-1B	3-Nitroaniline
0911425-14	N-09-SD-2A	2,4-Dinitrophenol
0911425-14	N-09-SD-2A	3,3´-Dichlorobenzidine
0911425-14	N-09-SD-2A	3-Nitroaniline
0911425-15	N-09-SD-2B	2,4-Dinitrophenol
0911425-15	N-09-SD-2B	3,3´-Dichlorobenzidine
0911425-15	N-09-SD-2B	3-Nitroaniline
0911425-16	N-09-SD-3A	2,4-Dinitrophenol
0911425-16	N-09-SD-3A	3,3´-Dichlorobenzidine
0911425-16	N-09-SD-3A	3-Nitroaniline
0911425-17	N-09-SD-3B	2,4-Dinitrophenol
0911425-17	N-09-SD-3B	3,3´-Dichlorobenzidine
0911425-17	N-09-SD-3B	3-Nitroaniline
0911425-18	LD-09-SD-1A	2,4-Dinitrophenol

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STATEMENT OF DATA QUALIFICATIONS

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

Qualification: The LCS recovery was less than the lower control limit but greater than or equal to 10%. A positive result for this analyte in the associated QC batch is considered estimated; a non-detect result for the same analyte is considered as approximate.

Analysis: USEPA-8270C

0911425-18	LD-09-SD-1A	3,3´-Dichlorobenzidine
0911425-18	LD-09-SD-1A	3-Nitroaniline
0911425-19	LD-09-SD-2A	2,4-Dinitrophenol
0911425-19	LD-09-SD-2A	3,3´-Dichlorobenzidine
0911425-19	LD-09-SD-2A	3-Nitroaniline
0911425-20	LD-09-SD-2B	2,4-Dinitrophenol
0911425-20	LD-09-SD-2B	3,3´-Dichlorobenzidine
0911425-20	LD-09-SD-2B	3-Nitroaniline
0911425-21	LD-09-SD-3A	2,4-Dinitrophenol
0911425-21	LD-09-SD-3A	3,3´-Dichlorobenzidine
0911425-21	LD-09-SD-3A	3-Nitroaniline
0911425-22	L-09-SD-2A	2,4-Dinitrophenol
0911425-22	L-09-SD-2A	3,3´-Dichlorobenzidine
0911425-22	L-09-SD-2A	3-Nitroaniline
0911425-23	DUP-SD-1	2,4-Dinitrophenol
0911425-23	DUP-SD-1	3,3´-Dichlorobenzidine
0911425-23	DUP-SD-1	3-Nitroaniline
0911479-01	LU-09-SD-3A	3,3´-Dichlorobenzidine
0911479-01	LU-09-SD-3A	3-Nitroaniline
0911479-02	LU-09-SD-1A	3,3´-Dichlorobenzidine
0911479-02	LU-09-SD-1A	3-Nitroaniline
0911479-03	LU-09-SD-2A	3,3´-Dichlorobenzidine
0911479-03	LU-09-SD-2A	3-Nitroaniline
0911479-04	L-09-SD-1A	3,3´-Dichlorobenzidine
0911479-04	L-09-SD-1A	3-Nitroaniline
0911479-05	L-09-SD-3A	3,3´-Dichlorobenzidine
0911479-05	L-09-SD-3A	3-Nitroaniline
0911479-06	L-09-SD-3B	3,3´-Dichlorobenzidine
0911479-06	L-09-SD-3B	3-Nitroaniline

Qualification: The LCS recovery was less than 10%. All results, including non-detectable concentrations for this analyte in any sample from the associated QC Batch are considered unusable.

Analysis: USEPA-8270C

Sample/Analyte:		
0911425-01	P-09-SD-1A	Benzidine
0911425-02	P-09-SD-1B	Benzidine
0911425-03	P-09-SD-2A	Benzidine
0911425-04	P-09-SD-2B	Benzidine
0911425-05	P-09-SD-3A	Benzidine
0911425-06	O-09-SD-1A	Benzidine
0911425-07	O-09-SD-1B	Benzidine
0911425-08	O-09-SD-2A	Benzidine
0911425-10	O-09-SD-3A	Benzidine
0911425-11	N-09-SD-1A	Benzidine
0911425-12	N-09-SD-1B	Benzidine
0911425-14	N-09-SD-2A	Benzidine

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STATEMENT OF DATA QUALIFICATIONS

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

Qualification: The LCS recovery was less than 10%. All results, including non-detectable concentrations for this analyte in any sample from the associated QC Batch are considered unusable.

Analysis: USEPA-8270C

0911425-15	N-09-SD-2B	Benzidine
0911425-16	N-09-SD-3A	Benzidine
0911425-17	N-09-SD-3B	Benzidine
0911425-18	LD-09-SD-1A	Benzidine
0911425-19	LD-09-SD-2A	Benzidine
0911425-20	LD-09-SD-2B	Benzidine
0911425-21	LD-09-SD-3A	Benzidine
0911425-22	L-09-SD-2A	Benzidine
0911425-23	DUP-SD-1	Benzidine
0911479-01	LU-09-SD-3A	4-Chloroaniline
0911479-01	LU-09-SD-3A	Benzidine
0911479-02	LU-09-SD-1A	4-Chloroaniline
0911479-02	LU-09-SD-1A	Benzidine
0911479-03	LU-09-SD-2A	4-Chloroaniline
0911479-03	LU-09-SD-2A	Benzidine
0911479-04	L-09-SD-1A	4-Chloroaniline
0911479-04	L-09-SD-1A	Benzidine
0911479-05	L-09-SD-3A	4-Chloroaniline
0911479-05	L-09-SD-3A	Benzidine
0911479-06	L-09-SD-3B	4-Chloroaniline
0911479-06	L-09-SD-3B	Benzidine

Qualification: The LCS and/or LCSD recovery exceeded the upper control limit. A positive result for this analyte in any sample from the associated QC batch is considered estimated. Non-detectable results are not qualified.

Analysis: USEPA-8270C

Sample/Analyte:

0911425-05	P-09-SD-3A	Di-n-butyl Phthalate
0911425-06	O-09-SD-1A	Di-n-butyl Phthalate
0911425-07	O-09-SD-1B	Di-n-butyl Phthalate
0911425-08	O-09-SD-2A	Di-n-butyl Phthalate
0911425-10	O-09-SD-3A	Di-n-butyl Phthalate
0911425-11	N-09-SD-1A	Di-n-butyl Phthalate
0911425-12	N-09-SD-1B	Di-n-butyl Phthalate
0911425-14	N-09-SD-2A	Di-n-butyl Phthalate
0911425-15	N-09-SD-2B	Di-n-butyl Phthalate
0911425-16	N-09-SD-3A	Di-n-butyl Phthalate
0911425-17	N-09-SD-3B	Di-n-butyl Phthalate
0911425-18	LD-09-SD-1A	Di-n-butyl Phthalate
0911425-19	LD-09-SD-2A	Di-n-butyl Phthalate
0911425-20	LD-09-SD-2B	Di-n-butyl Phthalate
0911425-21	LD-09-SD-3A	Di-n-butyl Phthalate
0911425-22	L-09-SD-2A	Di-n-butyl Phthalate
0911425-23	DUP-SD-1	Di-n-butyl Phthalate

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STATEMENT OF DATA QUALIFICATIONS

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

Qualification: The analyte concentration in the associated MB was greater than the MDL but less than the RL. The positive sample result, which was less than 5 times the MB value, is considered estimated.

Analysis: USEPA-8270C

Sample/Analyte:			
	0911425-02	P-09-SD-1B	Bis(2-ethylhexyl) Phthalate
	0911425-03	P-09-SD-2A	Bis(2-ethylhexyl) Phthalate
	0911425-04	P-09-SD-2B	Bis(2-ethylhexyl) Phthalate
	0911425-05	P-09-SD-3A	Benzo(a)anthracene
	0911425-05	P-09-SD-3A	Di-n-butyl Phthalate
	0911425-06	O-09-SD-1A	Di-n-butyl Phthalate
	0911425-10	O-09-SD-3A	Di-n-butyl Phthalate
	0911425-11	N-09-SD-1A	Di-n-butyl Phthalate
	0911425-12	N-09-SD-1B	Di-n-butyl Phthalate
	0911425-14	N-09-SD-2A	Di-n-butyl Phthalate
	0911425-15	N-09-SD-2B	Di-n-butyl Phthalate
	0911425-16	N-09-SD-3A	Di-n-butyl Phthalate
	0911425-18	LD-09-SD-1A	Di-n-butyl Phthalate
	0911425-19	LD-09-SD-2A	Di-n-butyl Phthalate
	0911425-20	LD-09-SD-2B	Di-n-butyl Phthalate
	0911425-21	LD-09-SD-3A	Di-n-butyl Phthalate
	0911425-22	L-09-SD-2A	Di-n-butyl Phthalate
	0911425-23	DUP-SD-1	Benzo(a)anthracene

Qualification: The analyte concentration in the associated MB was greater than the MDL but less than the RL. The positive sample result, which was greater than 5 times the MB value, is not considered estimated.

Analysis: USEPA-8270C

Sample/Analyte:			
	0911425-01	P-09-SD-1A	Benzyl Alcohol
	0911425-01	P-09-SD-1A	Bis(2-ethylhexyl) Phthalate
	0911425-02	P-09-SD-1B	Benzyl Alcohol
	0911425-04	P-09-SD-2B	Benzyl Alcohol
	0911425-05	P-09-SD-3A	Fluoranthene
	0911425-05	P-09-SD-3A	Pyrene
	0911425-06	O-09-SD-1A	Benzo(a)anthracene
	0911425-06	O-09-SD-1A	Fluoranthene
	0911425-06	O-09-SD-1A	Pyrene
	0911425-07	O-09-SD-1B	Benzo(a)anthracene
	0911425-07	O-09-SD-1B	Fluoranthene
	0911425-07	O-09-SD-1B	Pyrene
	0911425-08	O-09-SD-2A	Benzo(a)anthracene
	0911425-08	O-09-SD-2A	Fluoranthene
	0911425-08	O-09-SD-2A	Pyrene
	0911425-10	O-09-SD-3A	Benzo(a)anthracene
	0911425-10	O-09-SD-3A	Fluoranthene
	0911425-10	O-09-SD-3A	Pyrene
	0911425-11	N-09-SD-1A	Benzo(a)anthracene
	0911425-11	N-09-SD-1A	Fluoranthene
	0911425-11	N-09-SD-1A	Pyrene
	0911425-12	N-09-SD-1B	Benzo(a)anthracene
	0911425-12	N-09-SD-1B	Fluoranthene
	0911425-12	N-09-SD-1B	Pyrene

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STATEMENT OF DATA QUALIFICATIONS

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

Qualification: The analyte concentration in the associated MB was greater than the MDL but less than the RL. The positive sample result, which was greater than 5 times the MB value, is not considered estimated.

Analysis: USEPA-8270C

0911425-14	N-09-SD-2A	Benzo(a)anthracene
0911425-14	N-09-SD-2A	Fluoranthene
0911425-14	N-09-SD-2A	Pyrene
0911425-15	N-09-SD-2B	Benzo(a)anthracene
0911425-15	N-09-SD-2B	Fluoranthene
0911425-15	N-09-SD-2B	Pyrene
0911425-16	N-09-SD-3A	Benzo(a)anthracene
0911425-16	N-09-SD-3A	Fluoranthene
0911425-16	N-09-SD-3A	Pyrene
0911425-17	N-09-SD-3B	Benzo(a)anthracene
0911425-17	N-09-SD-3B	Fluoranthene
0911425-17	N-09-SD-3B	Pyrene
0911425-18	LD-09-SD-1A	Benzo(a)anthracene
0911425-18	LD-09-SD-1A	Fluoranthene
0911425-18	LD-09-SD-1A	Pyrene
0911425-19	LD-09-SD-2A	Benzo(a)anthracene
0911425-19	LD-09-SD-2A	Fluoranthene
0911425-19	LD-09-SD-2A	Pyrene
0911425-20	LD-09-SD-2B	Benzo(a)anthracene
0911425-20	LD-09-SD-2B	Fluoranthene
0911425-20	LD-09-SD-2B	Pyrene
0911425-21	LD-09-SD-3A	Benzo(a)anthracene
0911425-21	LD-09-SD-3A	Fluoranthene
0911425-21	LD-09-SD-3A	Pyrene
0911425-22	L-09-SD-2A	Benzo(a)anthracene
0911425-22	L-09-SD-2A	Fluoranthene
0911425-22	L-09-SD-2A	Pyrene
0911425-23	DUP-SD-1	Fluoranthene
0911425-23	DUP-SD-1	Pyrene

Qualification: The MS and/or MSD recovery was outside the control limit. The non-spiked sample result is considered estimated.

Analysis: USEPA-8270C

Sample/Analyte:	0911425-02	P-09-SD-1B	3,3´-Dichlorobenzidine
	0911425-02	P-09-SD-1B	Pyridine
	0911425-07	O-09-SD-1B	1,3-Dichlorobenzene
	0911425-07	O-09-SD-1B	Pyridine

Qualification: The RPD between the MS and MSD results exceeded the control limit. The non-spiked sample result is considered estimated.

Analysis: USEPA-8270C

Sample/Analyte:	0911425-02	P-09-SD-1B	4-Nitrophenol
	0911425-02	P-09-SD-1B	Benzo(k)fluoranthene
	0911425-07	O-09-SD-1B	1,2-Dichlorobenzene
	0911425-07	O-09-SD-1B	1,3-Dichlorobenzene

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STATEMENT OF DATA QUALIFICATIONS

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

Qualification: The RPD between the MS and MSD results exceeded the control limit. The non-spiked sample result is considered estimated.

Analysis: USEPA-8270C

0911425-07	O-09-SD-1B	1,4-Dichlorobenzene
0911425-07	O-09-SD-1B	Benzo(k)fluoranthene
0911425-07	O-09-SD-1B	Di-n-butyl Phthalate
0911425-07	O-09-SD-1B	Fluoranthene
0911425-07	O-09-SD-1B	Hexachloroethane
0911425-07	O-09-SD-1B	Phenanthrene
0911425-07	O-09-SD-1B	Phenol

Qualification: The MS and/or MSD recovery was less than 10%. A positive result for this analyte in the unspiked sample is considered estimated; a non-detect result for the same analyte is considered unusable.

Analysis: USEPA-8270C

Sample/Analyte:	0911425-02	P-09-SD-1B	Benzidine
	0911425-02	P-09-SD-1B	Hexachlorocyclopentadiene
	0911425-07	O-09-SD-1B	Hexachlorocyclopentadiene
	0911425-07	O-09-SD-1B	Hexachloroethane

Qualification: The MS or MSD recovery, but not both, was outside the control limit. The RPD is within the control limit. The unspiked sample result is not qualified.

Analysis: USEPA-8270C

Sample/Analyte:	0911425-02	P-09-SD-1B	Hexachloroethane

Qualification: The RL for this analysis has been elevated due to sample matrix interference.

Analysis: USEPA-8270C

Sample/Analyte: 0911425-08 O-09-SD-2A

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STATEMENT OF DATA QUALIFICATIONS

Total Metals by EPA 6000/7000 Series Methods

Qualification: The analyte concentration in the associated MB was greater than or equal to the RL. The positive sample result, which was greater than 5 times the MB value, is not considered estimated.

Analysis: USEPA-6020A

Sample/Analyte:		
0911425-01	P-09-SD-1A	Copper
0911425-02	P-09-SD-1B	Copper
0911425-03	P-09-SD-2A	Copper
0911425-04	P-09-SD-2B	Copper
0911425-05	P-09-SD-3A	Copper
0911425-06	O-09-SD-1A	Copper
0911425-07	O-09-SD-1B	Copper
0911425-08	O-09-SD-2A	Copper
0911425-10	O-09-SD-3A	Copper
0911425-11	N-09-SD-1A	Copper
0911425-12	N-09-SD-1B	Copper
0911425-14	N-09-SD-2A	Copper
0911425-15	N-09-SD-2B	Copper
0911425-16	N-09-SD-3A	Copper
0911425-17	N-09-SD-3B	Copper
0911425-18	LD-09-SD-1A	Copper
0911425-19	LD-09-SD-2A	Copper
0911425-20	LD-09-SD-2B	Copper
0911479-01	LU-09-SD-3A	Chromium
0911479-02	LU-09-SD-1A	Chromium
0911479-03	LU-09-SD-2A	Chromium
0911479-04	L-09-SD-1A	Chromium
0911479-05	L-09-SD-3A	Chromium
0911479-06	L-09-SD-3B	Chromium

Qualification: This analyte was not present in this sample at a concentration greater than 100 times the MDL, therefore serial dilution is not required.

Analysis: USEPA-6020A

Sample/Analyte:		
0911425-01	P-09-SD-1A	Cadmium
0911425-01	P-09-SD-1A	Zinc
0911479-01	LU-09-SD-3A	Cadmium

Qualification: The MS and/or MSD recovery was outside the control limit. The non-spiked sample result is considered estimated.

Analysis: USEPA-6020A

Sample/Analyte:		
0911425-21	LD-09-SD-3A	Lead
0911425-21	LD-09-SD-3A	Zinc

Qualification: The MS and/or MSD recovery was outside the control limit. The non-spiked sample concentration for the same analyte was greater than or equal to 4 times the spiked amount; the non-spiked sample result is not qualified.

Analysis: USEPA-6010B

Sample/Analyte:		
0911425-01	P-09-SD-1A	Aluminum
0911425-21	LD-09-SD-3A	Aluminum

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STATEMENT OF DATA QUALIFICATIONS

Total Metals by EPA 6000/7000 Series Methods (Continued)

Qualification: The MS and/or MSD recovery was outside the control limit. The non-spiked sample concentration for the same analyte was greater than or equal to 4 times the spiked amount; the non-spiked sample result is not qualified.

Analysis: USEPA-6010B

Sample/Analyte: 0911479-01 LU-09-SD-3A Aluminum

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STATEMENT OF DATA QUALIFICATIONS

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Qualification: The laboratory duplicate RPD for this sample exceeded the control limit. Since the initial and/or the duplicate sample result was less than 5 times the reporting limit, the initial reported sample result is not qualified.

Analysis: USEPA-7196A

Sample/Analyte:			
	0911425-06	O-09-SD-1A	Chromium, Hexavalent
	0911479-04	L-09-SD-1A	Chromium, Hexavalent

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Chain of Custody Record

COC No. 131129

Page 1 of 3

For Lab Use Only

Cart: 6

VOA Rack/Tray: (MEOH) 336-RED

Receipt Log No.: 36-37

Project Chemist:

Laboratory Project No.: 0911425

Client Name: CTI and Associates

Address: 12482 Emerson, Bryton MI 49116

Phone: 248 476 5700

Fax: 248 476-5050

Project Name: JCI-Fowlerville

Client Project No./P.O. No.: 09BC10058

Invoice No.: ☒ Client ☐ Other (comments)

Contact/Report To: Chandra Regan

Analyses Requested: VOCs, SVOCs, MI Metals, PCBs, Total Hydrocarbons, Free CN-, PCL, TOC

Container Type (corresponds to Container Packing List): 22, 17, 250ml Plastic

Number of Containers Submitted

PRESERVATIVES: A NONE pH~7; B HNO_3 pH<2; C H_2SO_4 pH<2; D 1+1 HCl pH<2; E NaOH pH>12; F ZnAc/NaOH pH>9; G MeOH; H Other (note below)

Test Group	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix										Total	Sample Comments
		01	1	P-09-SD-1A	TM 0883	11-18-09	1325		X	Soil	X	X	X	X	X	X	X			4	
		02	2	P-09-SD-1B			1325		X		X	X	X	X	X	X	X			4	
		03	3	P-09-SD-2A			1350		X		X	X	X	X	X	X	X			4	
		04	4	P-09-SD-2B			1350		X		X	X	X	X	X	X	X			4	
		05	5	P-09-SD-3A		11-19-09	950		X		X	X	X	X	X	X	X			4	
		06	6	O-09-SD-1A			1115		X		X	X	X	X	X	X	X			~~4~~ 3	2N
		07	7	O-09-SD-1B			1115		X		X	X	X	X	X	X	X			~~4~~ 3	
		08	8	O-09-SD-2A			1135		X		X	X	X	X	X	X	X			3	
		09	9	FB1119-1			1155		X	water	X									1	← VOCs only
		10	10	O-09-SD-3A	TM 0913		1200		X	Soil	X	X	X	X	X	X	X			3	

Sampled By (print): DAVID AMIR

Sampler's Signature:

Company: CTI

How Shipped? Hand Carrier

Tracking No.

Comments

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
			Ray Gluum	11/20/09	18:15			

1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
Ray Gluum	11/20/09	12:27				J. Martin	11/20/09	18:15

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Chain of Custody Record

COC No. 131130

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Cart

VOA Rack/Tray

Receipt Log No. 36-37

Project Chemist

Laboratory Project No. 0911425

Client Name: CTI and Associates
Address: 12482 Emerson
Bryton, MI 48116
Phone 248 486 5700
Fax 248 486-5030

Project Name: SCI-Fowlerville
Client Project No./P.O. No. C95010058
Invoice No. ☒ Client ☐ Other (comments)
Contact/Report To: Marcia Kogut

Analyses Requested: VOCs, SVOCs, Metals, PCBs, TPH, Cl⁻, Fe, CN⁻, TOC, TOC

Container Type (corresponds to Container Packing List): 22, 17, 250 ml Plastic

PRESERVATIVES
A NONE pH~7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Test Group	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	VOCs	SVOCs	Metals	PCBs	TPH	Cl⁻	Fe	CN⁻	TOC	Total	Sample Comments
		11	1	N-09-SD-1A	TM 09.13	11/19/09	1325		X	Soil	X	X	X	X	X	X	X			3	
		12	2	N-09-SD-1B			1325		X	Soil	X	X	X	X	X	X	X			3	
		13	3	FB1119-2			1330		X	Water and	X									1	
		14	4	N-09-SD-2A			1345		X	Soil	X	X	X	X	X	X	X			3	
		15	5	N-09-SD-2B			1345		X		X	X	X	X	X	X	X			3	
		16	6	N-09-SD-3A			1415		X		X	X	X	X	X	X	X			3	
		17	7	N-09-SD-3B			1415		X		X	X	X	X	X	X	X			3	
		18	8	LD-09-SD-1A			1520		X		X	X	X	X	X	X	X			3	
		19	9	LD-09-SD-2A			1545		X		X	X	X	X	X	X	X			3	
		20	10	LD-09-SD-2B			1545		X		X	X	X	X	X	X	X			3	

Sampled By (print): DAVID Amin
Sampler's Signature:
Company: CTI

How Shipped? Hand Carrier
Tracking No.

Comments

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
			Ray Johnson	11/20/09	18:15			

1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
Ray Johnson	11/20/09	12:27				J. MARCIN	11/20/09	18:15

TriMatrixCOC COC WHITE COPY - REPORT YELLOW COPY - LABORATORY PINK COPY - FIELD

TriMatrix Laboratories, Inc.

5560 Corporate Exchange Court SE Grand Rapids, MI 49512
Phone (616) 975-4500 Fax (616) 942-7463
www.trimatrixlabs.com

Chain of Custody Record

COC No. 131176

Page 3 of 3

For Lab Use Only

Cart

VOA Rack/Tray

Receipt Log No. 32-37

Project Chemist

Laboratory Project No. 0911425

Client Name: CTI and Associates
Address: 2482 Emerson, Bryton, MI 48116
Phone: 248 486-5700
Fax: 248 486-5050

Project Name: JCI-Fowlerville
Client Project No./P.O. No.: 095010058
Invoice No.: ☒ Client ☐ Other (comments)
Contact/Report To: Chandra Kuzanki

Analyses Requested

Container Type (corresponds to Container Packing List): 23, 17, 250 ml Plastic

PRESERVATIVES
A NONE pH~7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Test Group	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	VOCs	SVOCs	MI Metals CE	PCBs	Total Cyanide	Fluoride	FOC, TOC					Total	Sample Comments
		21	1	LD-09-SD-3A		11-4-09	1615		X	Soil	X	X	X	X	X	X	X					3	
		22	2	L-09-SD-2A		↓	1700		X	↓	X	X	X	X	X	X	X					3	
		23	3	DUP SD-1		↓			X	↓	X	X	X	X	X	X	X					3	
			4																				
			5																				
			6																				
			7																				
			8																				
			9																				
			10																				

Sampled By (print): David Amer

Sampler's Signature:

Company: CTI

How Shipped? Hand Carrier _____

Tracking No.

1. Relinquished By: _____ Date: _____ Time: _____

1. Received By: Ray Johnson Date: 11/20/09 Time: 12:27

2. Relinquished By: Ray Johnson Date: 11/20/09 Time: 18:15

2. Received By: _____ Date: _____ Time: _____

3. Relinquished By: _____ Date: _____ Time: _____

3. Received For Lab By: D. Nardin Date: 11/20/09 Time: 18:15

Comments

TriMatrix Laboratories, Inc.

SAMPLE RECEIVING / LOG-IN CHECKLIST

Client: CTL & Assoc.
Receipt Record Page/Line No.: 36-37
Project-Submittal No.: 0911425
New / Add To
Project Chemist
Sample Nos.

Coolers Received

Recorded by (initials/date): DN 11/20/09

☑ Cooler ☐ Box ☐ Other
Qty Received: 2

Thermometer Used: ☑ IR Gun (#202) ☐ Digital Thermometer (#54) ☐ Other (#)
☐ See Additional Cooler Information Form

Cooler No.	Cooler No.	Cooler No.	Cooler No.
Time	Time	Time	Time
170913 10:50	171883 1:00		
Custody Seals: ☑ None ☐ Present / Intact ☐ Present / Not Intact	Custody Seals: ☑ None ☐ Present / Intact ☐ Present / Not Intact	Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact	Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact
Coolant Location: Dispersed / Top / Middle / Bottom	Coolant Location: Dispersed / Top / Middle / Bottom	Coolant Location: Dispersed / Top / Middle / Bottom	Coolant Location: Dispersed / Top / Middle / Bottom
Coolant/Temperature Taken Via: ☑ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	Coolant/Temperature Taken Via: ☑ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	Coolant/Temperature Taken Via: ☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	Coolant/Temperature Taken Via: ☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers
Alternate Temperature Taken Via: ☑ Temperature Blank (TB) ☐ 1 Container	Alternate Temperature Taken Via: ☑ Temperature Blank (TB) ☐ 1 Container	Alternate Temperature Taken Via: ☐ Temperature Blank (TB) ☐ 1 Container	Alternate Temperature Taken Via: ☐ Temperature Blank (TB) ☐ 1 Container
Recorded °C / Correction Factor °C / Actual °C	Recorded °C / Correction Factor °C / Actual °C	Recorded °C / Correction Factor °C / Actual °C	Recorded °C / Correction Factor °C / Actual °C
Temp Blank: 0 / 2.4	Temp Blank: 0 / 1.5	Temp Blank:	Temp Blank:
TB location: Representative / Not Representative	TB location: Representative / Not Representative	TB location: Representative / Not Representative	TB location: Representative / Not Representative
1: 4.8 / 0 / 4.8	1: 1.5 / 0 / 1.5	1:	1:
2: 5.9 / 0 / 5.9	2: 2.1 / 0 / 2.1	2:	2:
3: 5.6 / 0 / 5.6	3: 0.9 / 0 / 0.9	3:	3:
Average °C: 5.4	Average °C: 1.5	Average °C:	Average °C:
☑ Cooler ID on COC? ☐ VOC Trip Blank received?	☑ Cooler ID on COC? ☐ VOC Trip Blank received?	☐ Cooler ID on COC? ☐ VOC Trip Blank received?	☐ Cooler ID on COC? ☐ VOC Trip Blank received?

If any shaded areas checked, complete Sample Receiving Non-Conformance Form

Paperwork Received

☐ No COC Received

N/A	Yes	No	
	☑	☐	**Chain of Custody record(s)?**
	☐		If No, COC Initiated By
	☑		Rec'd for Lab Signed/Date/Time?
☑	☐		Shipping document?
☑	☐		Other

COC ID Nos.: 131129, 131130, 131176

☑ TriMatrix

☐ Other (Name or ID#)

Check COC for Accuracy

☐ No analysis requested

Yes	No	
☑	☐	Sample ID matches COC?
☑	☐	Sample Date and Time matches COC?
☑		Container type completed on COC?
☐	☑	All container types indicated are received?

Sample Condition Summary

☐ Non-TriMatrix containers, see Notes

N/A	Yes	No	
	☐	☑	Broken containers/lids?
	☐	☑	Missing or incomplete labels?
	☐	☑	Illegible information on labels?
	☐	☑	Low volume received?
	☐	☑	Inappropriate containers received?
☑	☐	☐	VOC vials / TOX containers have headspace?
☑	☐	☐	Extra sample locations / containers not listed on COC?

Check Sample Preservation

N/A	Yes	No	
	☑	☐	Average sample temperature ≤6° C?
☑	☐		Completed Sample Preservation Verification Form?
☑	☐	☐	Samples preserved correctly?
☑	☐		If "No", added orange tag?
☐	☑		Received pre-preserved VOC soils?

☑ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

☐ Bacteriological
☐ Air Bags
☑ EnCores / Methanol Pre-Preserved
☐ Formaldehyde/Aldehyde
☐ Green-tagged containers
☐ Yellow/White-tagged 1L ambers (SV Prep-Lab)

AFTER HOURS ONLY:
COPIES OF COC TO LAB AREA(S)
☐ NONE RECEIVED
☑ RECEIVED, COCs TO LAB(S)

Notes

☐ Trip Blank received ☐ Trip Blank not listed on COC
☐ No COC received, Proj. Chemist reviewed (Init/Date)
☐ No analysis requested, Proj. Chemist completed (Init/Date)

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
DN 11/20/09	DN 11/20/09	Yes / No

TriMatrix Laboratories, Inc.

5560 Corporate Exchange Court SE Grand Rapids, MI 49512
Phone (616) 975-4500 Fax (616) 942-7463
www.trimatrixlabs.com

Chain of Custody Record

COC No. 131177

Page 1 of 1

For Lab Use Only

Cart: 7
VOA Rack/Tray: (MEOH) 624-RED
Receipt Log No.: 42-28
Project Chemist:
Laboratory Project No.: 20911479

Client Name: CTI
Address: 12482 Emerson Dr
Brighton MI 48116
Phone: 248-486-5100
Fax:

Project Name: JCI-Fowlerville
Client Project No./P.O. No.:
Invoice No.: ☐ Client ☐ Other (comments)
Contact/Report To: Chandra Koganti

Analyses Requested

PRESERVATIVES
A NONE pH~7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Container Type (corresponds to Container Packing List): 22, 17, 250 ml

Test Group	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	VOCs	SVOCs	MI metals, Cr6	PCBs	Total CN-	Free CN-	FOC, TOC				Total	Sample Comments
01		01	1	LU-09-SD-3A	TM 1804	11/23/09	1110		X	Soil	X	X	X	X	X	X	X				3	
		02	2	LU-09-SD-1A		11/23/09	1015				X	X	X	X	X	X	X					
		03	3	LU-09-SD-2A		11/23/09	1055				X	X	X	X	X	X	X					
		04	4	L-09-SD-1A		11/23/09	920				X	X	X	X	X	X	X					
		05	5	L-09-SD-3A		11/23/09	945				X	X	X	X	X	X	X					
		06	6	L-09-SD-3B		11/23/09	945				X	X	X	X	X	X	X					
03		07	7	FB1123-1		11/23/09	1140			meth only	X										1	
			8																			
			9																			
			10																			

Sampled By (print): Scott Jones
Sampler's Signature: Scott Jones
Company: CTI

How Shipped? Hand Carrier
Tracking No.

Comments

	Date	Time
1. Relinquished By: Scott Jones	11/24/09	1230
2. Relinquished By: Ray Johnson	11/24/09	17:50
3. Relinquished By		
1. Received By: Ray Johnson	11/24/09	12:55
2. Received By		
3. Received For Lab By: D. Nardin	11/24/09	17:50

TriMatrix Laboratories, Inc.

SAMPLE RECEIVING / LOG-IN CHECKLIST

Client: CTI
Receipt Record Page/Line No: 42-28
Project-Submittal No.: 5-0911479
New / Add To Project Checklist
Sample Nos.

Coolers Received

Recorded by (initials/date): JN 11/24/09

☑ Cooler ☐ Box ☐ Other
Qty Received: 1

Thermometer Used: ☑ IR Gun (#202) ☐ Digital Thermometer (#54) ☐ Other (#)

☐ See Additional Cooler Information Form

Cooler No.	Time	Custody Seals	Coolant Location	Coolant/Temperature Taken Via	Alternate Temperature Taken Via	Recorded °C	Correction Factor °C	Actual °C	TB location: Representative / Not Representative	Average °C	Cooler ID on COC?	VOC Trip Blank received?
1N1804	22:35	☑ None; ☐ Present / Intact; ☐ Present / Not Intact	Dispersed / Top / Middle / Bottom	☑ Loose Ice / Avg 2-3 containers; ☐ Bagged Ice / Avg 2-3 containers; ☐ Blue Ice / Avg 2-3 containers; ☐ None / Avg 2-3 containers	☑ Temperature Blank (TB); ☐ 1 Container	Temp Blank	0	1.9	1: 2.8 / 0 / 2.8; 2: 2.4 / 0 / 2.4; 3: 2.6 / 0 / 2.6	2.6	☑	☐
		☐ None; ☐ Present / Intact; ☐ Present / Not Intact	Dispersed / Top / Middle / Bottom	☐ Loose Ice / Avg 2-3 containers; ☐ Bagged Ice / Avg 2-3 containers; ☐ Blue Ice / Avg 2-3 containers; ☐ None / Avg 2-3 containers	☐ Temperature Blank (TB); ☐ 1 Container	Temp Blank			1; 2; 3		☐	☐
		☐ None; ☐ Present / Intact; ☐ Present / Not Intact	Dispersed / Top / Middle / Bottom	☐ Loose Ice / Avg 2-3 containers; ☐ Bagged Ice / Avg 2-3 containers; ☐ Blue Ice / Avg 2-3 containers; ☐ None / Avg 2-3 containers	☐ Temperature Blank (TB); ☐ 1 Container	Temp Blank			1; 2; 3		☐	☐
		☐ None; ☐ Present / Intact; ☐ Present / Not Intact	Dispersed / Top / Middle / Bottom	☐ Loose Ice / Avg 2-3 containers; ☐ Bagged Ice / Avg 2-3 containers; ☐ Blue Ice / Avg 2-3 containers; ☐ None / Avg 2-3 containers	☐ Temperature Blank (TB); ☐ 1 Container	Temp Blank			1; 2; 3		☐	☐

If any shaded areas checked, complete Sample Receiving Non-Conformance Form

Paperwork Received

☐ No COC Received

N/A	Yes	No	
	☑	☐	Chain of Custody record(s)?
	☐		If No, COC Initiated By
	☑		Rec'd for Lab Signed/Date/Time?
☑	☐		Shipping document?
☑	☐		Other

COC ID Nos. 131177

☑ TriMatrix

☐ Other (Name or ID#)

Check COC for Accuracy

☐ No analysis requested

Yes	No	
☐	☑	Sample ID matches COC?
☑	☐	Sample Date and Time matches COC?
☑		Container type completed on COC?
☑	☐	All container types indicated are received?

Sample Condition Summary

☐ Non-TriMatrix containers, see Notes

N/A	Yes	No	
	☐	☑	Broken containers/lids?
	☐	☑	Missing or incomplete labels?
	☐	☑	Illegible information on labels?
	☐	☑	Low volume received?
	☐	☑	Inappropriate containers received?
☑	☐	☐	VOC vials / TOX containers have headspace?
☑	☐	☐	Extra sample locations / containers not listed on COC

Check Sample Preservation

N/A	Yes	No	
	☑	☐	Average sample temperature ≤6° C?
☑	☐		Completed Sample Preservation Verification Form?
☑	☐	☐	Samples preserved correctly?
☑	☐		If "No", added orange tag?
☐	☑		Received pre-preserved VOC soils? ☑ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

- ☐ Bacteriological
- ☐ Air Bags
- ☑ EnCores / Methanol Pre-Preserved
- ☐ Formaldehyde/Aldehyde
- ☐ Green-tagged containers
- ☐ Yellow/White-tagged 1L ambers (SV Prep-Lab)

AFTER HOURS ONLY:
COPIES OF COC TO LAB AREA(S)
☐ NONE RECEIVED
☑ RECEIVED, COCs TO LAB(S)

Notes

☐ Trip Blank received ☐ Trip Blank not listed on COC
☐ No COC received, Proj. Chemist reviewed (Init/Date)
☐ No analysis requested, Proj. Chemist completed (Init/Date)

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
JN 11/24/09	JN 11/24/09	Yes / No