



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY  
ENVIRONMENTAL LABORATORY

P.O. Box 30270  
Lansing, MI 48909  
TEL: (517) 335-9800  
FAX: (517) 335-9600

18 September 2015

Work Order: 1508214

Price: \$14,464.00

Amy Keranen  
MDEQ-RRD-UP  
1504 W. Washington St.  
Marquette, MI 49855

RE: ABANDONED MINING WASTES-TAMARACK CITY

I certify that the analyses performed by the MDEQ Environmental Laboratory were conducted by methods approved by the U.S. Environmental Protection Agency and other appropriate regulatory agencies .

Sincerely,

George Krisztian  
Laboratory Director



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MDEQ-RRD-UP  
 1504 W. Washington St.  
 Marquette MI, 49855

Project: ABANDONED MINING WASTES-TAMARACK CITY Ops  
 Site Code: 31000098  
 Project Manager: Amy Keranen

**Reported:**  
 09/18/2015

**Analytical Report for Samples**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Qualifier
CHTC - SS01 - 3"-9"	1508214-01	Soil/Sediment	08/20/2015	08/25/2015	
CHTC - SS02 - 3"-9"	1508214-02	Soil/Sediment	08/20/2015	08/25/2015	
CHTC - SS03 - 3"-9"	1508214-03	Soil/Sediment	08/20/2015	08/25/2015	
CHTC - SS04 - 3"-9"	1508214-04	Soil/Sediment	08/20/2015	08/25/2015	
CHTC - SS05 - 3"-9"	1508214-05	Soil/Sediment	08/20/2015	08/25/2015	
CHTC - SS06 - 3"-9"	1508214-06	Soil/Sediment	08/20/2015	08/25/2015	
CHTC - SS07 - 3"-9"	1508214-07	Soil/Sediment	08/20/2015	08/25/2015	
CHTC - DM01 - 0-6"	1508214-08	Soil/Sediment	08/20/2015	08/25/2015	
CHTC - SS08 - 3"-9"	1508214-09	Soil/Sediment	08/20/2015	08/25/2015	
CHTC - DM02 - 0-6"	1508214-10	Soil/Sediment	08/20/2015	08/25/2015	
CHTC - DM04	1508214-11	Soil/Sediment	08/20/2015	08/25/2015	
CHTC - SS09 - 0-6"	1508214-12	Soil/Sediment	08/20/2015	08/25/2015	
CHTC - DM03	1508214-13	Soil/Sediment	08/20/2015	08/25/2015	
CHTC - SS-10 - 0-6"	1508214-14	Soil/Sediment	08/20/2015	08/25/2015	
CHTC - SS-12 - 0-6"	1508214-15	Soil/Sediment	08/20/2015	08/25/2015	
CHTC - SB48 - 12"-18"	1508214-16	Soil/Sediment	08/21/2015	08/25/2015	
CHTC - SB48 - 18"-24'	1508214-17	Soil/Sediment	08/21/2015	08/25/2015	
CHTC - SB43 - 6"-12"	1508214-18	Soil/Sediment	08/21/2015	08/25/2015	
CHTC - SB43 - 1'-5'	1508214-19	Soil/Sediment	08/21/2015	08/25/2015	
CHTC - SB42 - 6"-12"	1508214-20	Soil/Sediment	08/21/2015	08/25/2015	



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**Notes and Definitions**

- T Reported value is less than the reporting limit (RL). Result is estimated.
- A03 Result(s) and reporting limit(s) are estimated due to low matrix spike recovery.
- A04 Result is estimated due to high matrix spike recovery.
- A06 Result is estimated due to high continuing calibration standard criteria failure.
- A07 Result(s) and reporting limit(s) are estimated due to poor precision.
- A09 Result is estimated due to high recovery of batch quality control.
- A11 Result is estimated due to high initial verification standard criteria failure.
- I Dilution required due to matrix interference; reporting limit (RL) raised.
- A01 Result(s) and reporting limit(s) are estimated due to low surrogate recovery.
- PI Result is estimated due to possible interference.
- Y25 Sample extract would not concentrate to the normal volume causing raised reporting limits.
- V Value not available due to dilution.
- X Methods 8260 & 624 are used to analyze volatile organics that have boiling points below 200 °C. 2-Methylnaphthalene & naphthalene have boiling points above 200 °C and are better suited to analysis by methods 8270 & 625 as semivolatile organics.
- X3 Spike recovery is not applicable due to large target analyte concentration in the source sample.
- Y11 Unidentified peaks present in sample.
- Y15 Methanol leaked out of the vial in transit to the lab. Results and reporting limits are estimated.
- Y17 Probable petroleum product(s) present.
- Y20 Reporting Limits (RL) raised due to matrix.
- Y21 Reporting Limits (RL) raised due to matrix interference.
- N Result is estimated due to Non-homogeneous sample.
- ND Indicates compound analyzed for but not detected
- RL Reporting Limit
- NA Not Applicable
- dry Sample results reported on a dry weight basis



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Client ID: CHTC - SS01 - 3"-9"

Lab ID: 1508214-01

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
630-20-6	1,1,1,2-Tetrachloroethane	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
71-55-6	1,1,1-Trichloroethane	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
79-00-5	1,1,2-Trichloroethane	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
75-34-3	1,1-Dichloroethane	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
75-35-4	1,1-Dichloroethylene	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	3600	ug/kg dry	50	08/26/15	B5H2613	8260	
96-18-4	1,2,3-Trichloropropane	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
120-82-1	1,2,4-Trichlorobenzene	ND	3600	ug/kg dry	50	08/26/15	B5H2613	8260	
95-63-6	1,2,4-Trimethylbenzene	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
96-12-8	1,2-Dibromo-3-chloropropane	ND	3600	ug/kg dry	50	08/26/15	B5H2613	8260	
106-93-4	1,2-Dibromoethane	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
95-50-1	1,2-Dichlorobenzene	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
107-06-2	1,2-Dichloroethane	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
78-87-5	1,2-Dichloropropane	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
108-67-8	1,3,5-Trimethylbenzene	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
541-73-1	1,3-Dichlorobenzene	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
106-46-7	1,4-Dichlorobenzene	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
78-93-3	2-Butanone (MEK)	ND	3600	ug/kg dry	50	08/26/15	B5H2613	8260	
591-78-6	2-Hexanone	ND	3600	ug/kg dry	50	08/26/15	B5H2613	8260	
91-57-6	2-Methylnaphthalene	ND	3600	ug/kg dry	50	08/26/15	B5H2613	8260	X
67-64-1	2-Propanone (acetone)	ND	14000	ug/kg dry	50	08/26/15	B5H2613	8260	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	3600	ug/kg dry	50	08/26/15	B5H2613	8260	
107-13-1	Acrylonitrile	ND	3600	ug/kg dry	50	08/26/15	B5H2613	8260	
71-43-2	Benzene	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
108-86-1	Bromobenzene	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
74-97-5	Bromochloromethane	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
75-27-4	Bromodichloromethane	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
75-25-2	Bromoform	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
74-83-9	Bromomethane	ND	3600	ug/kg dry	50	08/26/15	B5H2613	8260	
75-15-0	Carbon disulfide	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
56-23-5	Carbon tetrachloride	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
108-90-7	Chlorobenzene	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
75-00-3	Chloroethane	ND	3600	ug/kg dry	50	08/26/15	B5H2613	8260	
67-66-3	Chloroform	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
74-87-3	Chloromethane	ND	3600	ug/kg dry	50	08/26/15	B5H2613	8260	
156-59-2	cis-1,2-Dichloroethylene	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
10061-01-5	cis-1,3-Dichloropropylene	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
110-82-7	Cyclohexane	ND	3600	ug/kg dry	50	08/26/15	B5H2613	8260	
124-48-1	Dibromochloromethane	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	



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Lab ID: 1508214-01

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<b>Organics-Volatiles</b>									
74-95-3	Dibromomethane	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
75-71-8	Dichlorodifluoromethane	ND	3600	ug/kg dry	50	08/26/15	B5H2613	8260	
60-29-7	Diethyl ether	ND	3600	ug/kg dry	50	08/26/15	B5H2613	8260	
108-20-3	Diisopropyl Ether	ND	3600	ug/kg dry	50	08/26/15	B5H2613	8260	
100-41-4	Ethylbenzene	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
637-92-3	Ethyltertiarybutylether	ND	3600	ug/kg dry	50	08/26/15	B5H2613	8260	
67-72-1	Hexachloroethane	ND	3600	ug/kg dry	50	08/26/15	B5H2613	8260	
98-82-8	Isopropylbenzene	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
1330-20-7	m & p - Xylene	ND	1400	ug/kg dry	50	08/26/15	B5H2613	8260	
74-88-4	Methyl iodide	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
75-09-2	Methylene chloride	ND	3600	ug/kg dry	50	08/26/15	B5H2613	8260	
1634-04-4	Methyltertiarybutylether	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
91-20-3	Naphthalene	ND	3600	ug/kg dry	50	08/26/15	B5H2613	8260	X
104-51-8	n-Butylbenzene	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
103-65-1	n-Propylbenzene	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
95-47-6	o-Xylene	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
99-87-6	p-Isopropyl toluene	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
135-98-8	sec-Butylbenzene	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
100-42-5	Styrene	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
98-06-6	tert-Butylbenzene	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
75-65-0	tertiary Butyl Alcohol	ND	36000	ug/kg dry	50	08/26/15	B5H2613	8260	
994-05-8	tertiaryAmylmethylether	ND	3600	ug/kg dry	50	08/26/15	B5H2613	8260	
127-18-4	Tetrachloroethylene	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
109-99-9	Tetrahydrofuran	ND	3600	ug/kg dry	50	08/26/15	B5H2613	8260	
108-88-3	Toluene	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
10061-02-6	trans-1,3-Dichloropropylene	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
110-57-6	trans-1,4-Dichloro-2-butene	ND	3600	ug/kg dry	50	08/26/15	B5H2613	8260	
79-01-6	Trichloroethylene	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
75-69-4	Trichlorofluoromethane	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
75-01-4	Vinyl chloride	ND	710	ug/kg dry	50	08/26/15	B5H2613	8260	
<i>Surrogate: Bromofluorobenzene</i>			79.5 %	40.3-194		08/26/15	B5H2613	8260	
<i>Surrogate: Dibromofluoromethane</i>			91.6 %	52.1-217		08/26/15	B5H2613	8260	
<i>Surrogate: Toluene-d8</i>			83.1 %	55.4-196		08/26/15	B5H2613	8260	



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CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Semivolatiles</b>									
									<b>See note Y20</b>
91-57-6	2-Methylnaphthalene	ND	7700	ug/kg dry	1	09/02/15	B5H2615	8270	
83-32-9	Acenaphthene	ND	3100	ug/kg dry	1	09/02/15	B5H2615	8270	
208-96-8	Acenaphthylene	ND	3100	ug/kg dry	1	09/02/15	B5H2615	8270	
120-12-7	Anthracene	ND	3100	ug/kg dry	1	09/02/15	B5H2615	8270	
56-55-3	Benz[a]anthracene	ND	3100	ug/kg dry	1	09/02/15	B5H2615	8270	
50-32-8	Benzo[a]pyrene	ND	6200	ug/kg dry	1	09/02/15	B5H2615	8270	
205-99-2	Benzo[b]fluoranthene	ND	6200	ug/kg dry	1	09/02/15	B5H2615	8270	
191-24-2	Benzo[g,h,i]perylene	ND	6200	ug/kg dry	1	09/02/15	B5H2615	8270	
207-08-9	Benzo[k]fluoranthene	ND	6200	ug/kg dry	1	09/02/15	B5H2615	8270	
218-01-9	Chrysene	ND	3100	ug/kg dry	1	09/02/15	B5H2615	8270	
53-70-3	Dibenz[a,h]anthracene	ND	6200	ug/kg dry	1	09/02/15	B5H2615	8270	
206-44-0	Fluoranthene	ND	3100	ug/kg dry	1	09/02/15	B5H2615	8270	
86-73-7	Fluorene	ND	3100	ug/kg dry	1	09/02/15	B5H2615	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	6200	ug/kg dry	1	09/02/15	B5H2615	8270	
91-20-3	Naphthalene	ND	3100	ug/kg dry	1	09/02/15	B5H2615	8270	
85-01-8	Phenanthrene	ND	3100	ug/kg dry	1	09/02/15	B5H2615	8270	
129-00-0	Pyrene	ND	3100	ug/kg dry	1	09/02/15	B5H2615	8270	
<i>Surrogate: 2-Fluorobiphenyl</i>			65.2 %	32.9-115		09/02/15	B5H2615	8270	
<i>Surrogate: Nitrobenzene-d5</i>			67.1 %	31.8-115		09/02/15	B5H2615	8270	
<i>Surrogate: p-Terphenyl-d14</i>			93.8 %	38.5-115		09/02/15	B5H2615	8270	
<b>Organics-PCBs as Aroclors</b>									
									<b>See note Y20</b>
12674-11-2	Aroclor 1016	ND	1200	ug/kg dry	1	09/12/15	B5I0209	8081/8082	
11104-28-2	Aroclor 1221	ND	1200	ug/kg dry	1	09/12/15	B5I0209	8081/8082	
11141-16-5	Aroclor 1232	ND	1200	ug/kg dry	1	09/12/15	B5I0209	8081/8082	
53469-21-9	Aroclor 1242	ND	1200	ug/kg dry	1	09/12/15	B5I0209	8081/8082	
12672-29-6	Aroclor 1248	ND	1200	ug/kg dry	1	09/12/15	B5I0209	8081/8082	
11097-69-1	Aroclor 1254	ND	1200	ug/kg dry	1	09/12/15	B5I0209	8081/8082	
11096-82-5	Aroclor 1260	ND	1200	ug/kg dry	1	09/12/15	B5I0209	8081/8082	
37324-23-5	Aroclor 1262	ND	1200	ug/kg dry	1	09/12/15	B5I0209	8081/8082	
11100-14-4	Aroclor 1268	ND	1200	ug/kg dry	1	09/12/15	B5I0209	8081/8082	
<i>Surrogate: Decachlorobiphenyl</i>			79.5 %	30-150		09/12/15	B5I0209	8081/8082	
<i>Surrogate: Tetrachloro-m-xylene</i>			70.7 %	30-150		09/12/15	B5I0209	8081/8082	



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Lab ID: 1508214-01

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Inorganics-General Chemistry</b>									
TS	<b>% Total Solids</b>	<b>16.2</b>	0.1	%	1	08/26/15	B5H2609	2540 B	N
57-12-5	<b>Total Cyanide</b>	<b>0.69</b>	0.62	mg/kg dry	1	08/28/15	B5H2406	ASTM D7284	
<b>Inorganics-Metals</b>									
7429-90-5	<b>Aluminium</b>	<b>8400</b>	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-36-0	Antimony	ND	0.3	mg/kg dry	10	09/04/15	B5H2703	6020/200.8	
7440-38-2	<b>Arsenic</b>	<b>16</b>	0.5	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-39-3	<b>Barium</b>	<b>95</b>	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-41-7	<b>Beryllium</b>	<b>0.3</b>	0.2	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-43-9	<b>Cadmium</b>	<b>0.3</b>	0.2	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-47-3	Chromium	ND	20	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-48-4	<b>Cobalt</b>	<b>12</b>	5.0	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-50-8	<b>Copper</b>	<b>1300</b>	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7439-89-6	<b>Iron</b>	<b>2100</b>	5.0	mg/kg dry	10	09/11/15	B5H2802	6010/200.7	A09
7439-92-1	<b>Lead</b>	<b>14</b>	1.0	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7439-93-2	<b>Lithium</b>	<b>4.1</b>	0.2	mg/kg dry	1	09/11/15	B5H2802	6010/200.7	
7439-95-4	<b>Magnesium</b>	<b>9700</b>	50	mg/kg dry	10	09/11/15	B5H2802	6010/200.7	
7439-96-5	<b>Manganese</b>	<b>560</b>	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7439-97-6	Mercury	ND	0.3	mg/kg dry	1	09/03/15	B5I0203	7471/245.5	
7440-02-0	<b>Nickel</b>	<b>24</b>	1.0	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7782-49-2	Selenium	ND	0.2	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-22-4	<b>Silver</b>	<b>1.4</b>	0.1	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-28-0	Thallium	ND	0.5	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-66-6	<b>Zinc</b>	<b>100</b>	10	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	



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Client ID: CHTC - SS02 - 3"-9"

Lab ID: 1508214-02

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
630-20-6	1,1,1,2-Tetrachloroethane	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
71-55-6	1,1,1-Trichloroethane	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
79-00-5	1,1,2-Trichloroethane	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
75-34-3	1,1-Dichloroethane	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
75-35-4	1,1-Dichloroethylene	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	420	ug/kg dry	50	08/26/15	B5H2613	8260	
96-18-4	1,2,3-Trichloropropane	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
526-73-8	<b>1,2,3-Trimethylbenzene</b>	<b>110</b>	83	ug/kg dry	50	08/26/15	B5H2613	8260	
120-82-1	1,2,4-Trichlorobenzene	ND	420	ug/kg dry	50	08/26/15	B5H2613	8260	
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>250</b>	83	ug/kg dry	50	08/26/15	B5H2613	8260	
96-12-8	1,2-Dibromo-3-chloropropane	ND	420	ug/kg dry	50	08/26/15	B5H2613	8260	
106-93-4	1,2-Dibromoethane	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
95-50-1	1,2-Dichlorobenzene	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
107-06-2	1,2-Dichloroethane	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
78-87-5	1,2-Dichloropropane	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
108-67-8	1,3,5-Trimethylbenzene	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
541-73-1	1,3-Dichlorobenzene	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
106-46-7	1,4-Dichlorobenzene	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
78-93-3	2-Butanone (MEK)	ND	420	ug/kg dry	50	08/26/15	B5H2613	8260	
591-78-6	2-Hexanone	ND	420	ug/kg dry	50	08/26/15	B5H2613	8260	
91-57-6	2-Methylnaphthalene	ND	420	ug/kg dry	50	08/26/15	B5H2613	8260	X
67-64-1	2-Propanone (acetone)	ND	1700	ug/kg dry	50	08/26/15	B5H2613	8260	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	420	ug/kg dry	50	08/26/15	B5H2613	8260	
107-13-1	Acrylonitrile	ND	420	ug/kg dry	50	08/26/15	B5H2613	8260	
71-43-2	Benzene	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
108-86-1	Bromobenzene	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
74-97-5	Bromochloromethane	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
75-27-4	Bromodichloromethane	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
75-25-2	Bromoform	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
74-83-9	Bromomethane	ND	420	ug/kg dry	50	08/26/15	B5H2613	8260	
75-15-0	Carbon disulfide	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
56-23-5	Carbon tetrachloride	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
108-90-7	Chlorobenzene	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
75-00-3	Chloroethane	ND	420	ug/kg dry	50	08/26/15	B5H2613	8260	
67-66-3	Chloroform	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
74-87-3	Chloromethane	ND	420	ug/kg dry	50	08/26/15	B5H2613	8260	
156-59-2	cis-1,2-Dichloroethylene	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
10061-01-5	cis-1,3-Dichloropropylene	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
110-82-7	Cyclohexane	ND	420	ug/kg dry	50	08/26/15	B5H2613	8260	
124-48-1	Dibromochloromethane	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	





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 FAX: (517) 335-9600

Client ID: CHTC - SS02 - 3"-9"

Lab ID: 1508214-02

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
74-95-3	Dibromomethane	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
75-71-8	Dichlorodifluoromethane	ND	420	ug/kg dry	50	08/26/15	B5H2613	8260	
60-29-7	Diethyl ether	ND	420	ug/kg dry	50	08/26/15	B5H2613	8260	
108-20-3	Diisopropyl Ether	ND	420	ug/kg dry	50	08/26/15	B5H2613	8260	
100-41-4	Ethylbenzene	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
637-92-3	Ethyltertiarybutylether	ND	420	ug/kg dry	50	08/26/15	B5H2613	8260	
67-72-1	Hexachloroethane	ND	420	ug/kg dry	50	08/26/15	B5H2613	8260	
98-82-8	Isopropylbenzene	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
1330-20-7	<b>m &amp; p - Xylene</b>	<b>340</b>	170	ug/kg dry	50	08/26/15	B5H2613	8260	
74-88-4	Methyl iodide	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
75-09-2	Methylene chloride	ND	420	ug/kg dry	50	08/26/15	B5H2613	8260	
1634-04-4	Methyltertiarybutylether	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
91-20-3	<b>Naphthalene</b>	<b>420</b>	420	ug/kg dry	50	08/26/15	B5H2613	8260	X
104-51-8	n-Butylbenzene	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
103-65-1	n-Propylbenzene	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
95-47-6	<b>o-Xylene</b>	<b>270</b>	83	ug/kg dry	50	08/26/15	B5H2613	8260	
99-87-6	p-Isopropyl toluene	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
135-98-8	sec-Butylbenzene	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
100-42-5	Styrene	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
98-06-6	tert-Butylbenzene	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
75-65-0	tertiary Butyl Alcohol	ND	4200	ug/kg dry	50	08/26/15	B5H2613	8260	
994-05-8	tertiaryAmylmethylether	ND	420	ug/kg dry	50	08/26/15	B5H2613	8260	
127-18-4	Tetrachloroethylene	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
109-99-9	Tetrahydrofuran	ND	420	ug/kg dry	50	08/26/15	B5H2613	8260	
108-88-3	<b>Toluene</b>	<b>230</b>	83	ug/kg dry	50	08/26/15	B5H2613	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
10061-02-6	trans-1,3-Dichloropropylene	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
110-57-6	trans-1,4-Dichloro-2-butene	ND	420	ug/kg dry	50	08/26/15	B5H2613	8260	
79-01-6	Trichloroethylene	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
75-69-4	Trichlorofluoromethane	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
75-01-4	Vinyl chloride	ND	83	ug/kg dry	50	08/26/15	B5H2613	8260	
Surrogate: Bromofluorobenzene			170 %	40.3-194		08/26/15	B5H2613	8260	
Surrogate: Dibromofluoromethane			194 %	52.1-217		08/26/15	B5H2613	8260	
Surrogate: Toluene-d8			183 %	55.4-196		08/26/15	B5H2613	8260	



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 FAX: (517) 335-9600

Client ID: CHTC - SS02 - 3''-9''

Lab ID: 1508214-02

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Semivolatiles</b>									
									<b>See note Y20, Y25</b>
91-57-6	2-Methylnaphthalene	ND	3100	ug/kg dry	1	09/02/15	B5H2615	8270	
83-32-9	Acenaphthene	ND	1200	ug/kg dry	1	09/02/15	B5H2615	8270	
208-96-8	Acenaphthylene	ND	1200	ug/kg dry	1	09/02/15	B5H2615	8270	
120-12-7	Anthracene	ND	1200	ug/kg dry	1	09/02/15	B5H2615	8270	
56-55-3	Benz[a]anthracene	ND	1200	ug/kg dry	1	09/02/15	B5H2615	8270	
50-32-8	Benzo[a]pyrene	ND	2500	ug/kg dry	1	09/02/15	B5H2615	8270	
205-99-2	Benzo[b]fluoranthene	ND	2500	ug/kg dry	1	09/02/15	B5H2615	8270	
191-24-2	Benzo[g,h,i]perylene	ND	2500	ug/kg dry	1	09/02/15	B5H2615	8270	
207-08-9	Benzo[k]fluoranthene	ND	2500	ug/kg dry	1	09/02/15	B5H2615	8270	
218-01-9	Chrysene	ND	1200	ug/kg dry	1	09/02/15	B5H2615	8270	
53-70-3	Dibenz[a,h]anthracene	ND	2500	ug/kg dry	1	09/02/15	B5H2615	8270	
206-44-0	Fluoranthene	ND	1200	ug/kg dry	1	09/02/15	B5H2615	8270	
86-73-7	Fluorene	ND	1200	ug/kg dry	1	09/02/15	B5H2615	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	2500	ug/kg dry	1	09/02/15	B5H2615	8270	
91-20-3	Naphthalene	ND	1200	ug/kg dry	1	09/02/15	B5H2615	8270	
85-01-8	Phenanthrene	ND	1200	ug/kg dry	1	09/02/15	B5H2615	8270	
129-00-0	Pyrene	ND	1200	ug/kg dry	1	09/02/15	B5H2615	8270	
<i>Surrogate: 2-Fluorobiphenyl</i>			67.7 %	32.9-115		09/02/15	B5H2615	8270	
<i>Surrogate: Nitrobenzene-d5</i>			62.6 %	31.8-115		09/02/15	B5H2615	8270	
<i>Surrogate: p-Terphenyl-d14</i>			82.9 %	38.5-115		09/02/15	B5H2615	8270	
<b>Organics-PCBs as Aroclors</b>									
12674-11-2	Aroclor 1016	ND	120	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
11104-28-2	Aroclor 1221	ND	120	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
11141-16-5	Aroclor 1232	ND	120	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
53469-21-9	Aroclor 1242	ND	120	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
12672-29-6	Aroclor 1248	ND	120	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
11097-69-1	Aroclor 1254	ND	120	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
11096-82-5	Aroclor 1260	ND	120	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
37324-23-5	Aroclor 1262	ND	120	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
11100-14-4	Aroclor 1268	ND	120	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
<i>Surrogate: Decachlorobiphenyl</i>			62.3 %	30-150		09/12/15	B5I0411	8081/8082	
<i>Surrogate: Tetrachloro-m-xylene</i>			74.3 %	30-150		09/12/15	B5I0411	8081/8082	



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ENVIRONMENTAL LABORATORY**

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**Client ID: CHTC - SS02 - 3''-9''**

**Lab ID: 1508214-02**

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Inorganics-General Chemistry</b>									
TS	<b>% Total Solids</b>	<b>81.5</b>	0.1	%	1	08/26/15	B5H2609	2540 B	
57-12-5	<b>Total Cyanide</b>	<b>0.42</b>	0.12	mg/kg dry	1	08/28/15	B5H2406	ASTM D7284	
<b>Inorganics-Metals</b>									
7429-90-5	<b>Aluminium</b>	<b>9200</b>	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-36-0	<b>Antimony</b>	<b>0.6</b>	0.3	mg/kg dry	10	09/04/15	B5H2703	6020/200.8	
7440-38-2	<b>Arsenic</b>	<b>7.6</b>	5.0	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7440-39-3	<b>Barium</b>	<b>81</b>	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-41-7	Beryllium	ND	2.0	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7440-43-9	<b>Cadmium</b>	<b>0.6</b>	0.2	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-47-3	Chromium	ND	20	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-48-4	<b>Cobalt</b>	<b>7.4</b>	5.0	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-50-8	<b>Copper</b>	<b>560</b>	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7439-89-6	<b>Iron</b>	<b>19000</b>	5.0	mg/kg dry	10	09/11/15	B5H2802	6010/200.7	A09
7439-92-1	<b>Lead</b>	<b>99</b>	10	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7439-93-2	<b>Lithium</b>	<b>9.1</b>	0.2	mg/kg dry	1	09/11/15	B5H2802	6010/200.7	
7439-95-4	<b>Magnesium</b>	<b>4400</b>	50	mg/kg dry	10	09/11/15	B5H2802	6010/200.7	
7439-96-5	<b>Manganese</b>	<b>380</b>	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7439-97-6	<b>Mercury</b>	<b>0.2</b>	0.06	mg/kg dry	1	09/03/15	B5I0203	7471/245.5	
7440-02-0	<b>Nickel</b>	<b>20</b>	10	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7782-49-2	Selenium	ND	2.0	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7440-22-4	<b>Silver</b>	<b>0.5</b>	0.1	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-28-0	Thallium	ND	5.0	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7440-66-6	<b>Zinc</b>	<b>99</b>	10	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	



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Client ID: CHTC - SS03 - 3''-9''

Lab ID: 1508214-03

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
630-20-6	1,1,1,2-Tetrachloroethane	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
71-55-6	1,1,1-Trichloroethane	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
79-00-5	1,1,2-Trichloroethane	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
75-34-3	1,1-Dichloroethane	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
75-35-4	1,1-Dichloroethylene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	290	ug/kg dry	50	08/27/15	B5H2705	8260	
96-18-4	1,2,3-Trichloropropane	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
120-82-1	1,2,4-Trichlorobenzene	ND	290	ug/kg dry	50	08/27/15	B5H2705	8260	
95-63-6	1,2,4-Trimethylbenzene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
96-12-8	1,2-Dibromo-3-chloropropane	ND	290	ug/kg dry	50	08/27/15	B5H2705	8260	
106-93-4	1,2-Dibromoethane	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
95-50-1	1,2-Dichlorobenzene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
107-06-2	1,2-Dichloroethane	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
78-87-5	1,2-Dichloropropane	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
108-67-8	1,3,5-Trimethylbenzene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
541-73-1	1,3-Dichlorobenzene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
106-46-7	1,4-Dichlorobenzene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
78-93-3	2-Butanone (MEK)	ND	290	ug/kg dry	50	08/27/15	B5H2705	8260	
591-78-6	2-Hexanone	ND	290	ug/kg dry	50	08/27/15	B5H2705	8260	
91-57-6	2-Methylnaphthalene	ND	290	ug/kg dry	50	08/27/15	B5H2705	8260	X
67-64-1	2-Propanone (acetone)	ND	1100	ug/kg dry	50	08/27/15	B5H2705	8260	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	290	ug/kg dry	50	08/27/15	B5H2705	8260	
107-13-1	Acrylonitrile	ND	290	ug/kg dry	50	08/27/15	B5H2705	8260	
71-43-2	Benzene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
108-86-1	Bromobenzene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
74-97-5	Bromochloromethane	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
75-27-4	Bromodichloromethane	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
75-25-2	Bromoform	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
74-83-9	Bromomethane	ND	290	ug/kg dry	50	08/27/15	B5H2705	8260	
75-15-0	Carbon disulfide	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
56-23-5	Carbon tetrachloride	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
108-90-7	Chlorobenzene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
75-00-3	Chloroethane	ND	290	ug/kg dry	50	08/27/15	B5H2705	8260	
67-66-3	Chloroform	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
74-87-3	Chloromethane	ND	290	ug/kg dry	50	08/27/15	B5H2705	8260	
156-59-2	cis-1,2-Dichloroethylene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
10061-01-5	cis-1,3-Dichloropropylene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
110-82-7	Cyclohexane	ND	290	ug/kg dry	50	08/27/15	B5H2705	8260	
124-48-1	Dibromochloromethane	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	



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P.O. Box 30270  
 Lansing, MI 48909  
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 FAX: (517) 335-9600

Client ID: CHTC - SS03 - 3"-9"

Lab ID: 1508214-03

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
74-95-3	Dibromomethane	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
75-71-8	Dichlorodifluoromethane	ND	290	ug/kg dry	50	08/27/15	B5H2705	8260	
60-29-7	Diethyl ether	ND	290	ug/kg dry	50	08/27/15	B5H2705	8260	
108-20-3	Diisopropyl Ether	ND	290	ug/kg dry	50	08/27/15	B5H2705	8260	
100-41-4	Ethylbenzene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
637-92-3	Ethyltertiarybutylether	ND	290	ug/kg dry	50	08/27/15	B5H2705	8260	
67-72-1	Hexachloroethane	ND	290	ug/kg dry	50	08/27/15	B5H2705	8260	
98-82-8	Isopropylbenzene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
1330-20-7	m & p - Xylene	ND	110	ug/kg dry	50	08/27/15	B5H2705	8260	
74-88-4	Methyl iodide	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
75-09-2	Methylene chloride	ND	290	ug/kg dry	50	08/27/15	B5H2705	8260	
1634-04-4	Methyltertiarybutylether	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
91-20-3	Naphthalene	ND	290	ug/kg dry	50	08/27/15	B5H2705	8260	X
104-51-8	n-Butylbenzene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
103-65-1	n-Propylbenzene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
95-47-6	o-Xylene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
99-87-6	p-Isopropyl toluene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
135-98-8	sec-Butylbenzene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
100-42-5	Styrene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
98-06-6	tert-Butylbenzene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
75-65-0	tertiary Butyl Alcohol	ND	2900	ug/kg dry	50	08/27/15	B5H2705	8260	
994-05-8	tertiaryAmylmethylether	ND	290	ug/kg dry	50	08/27/15	B5H2705	8260	
127-18-4	Tetrachloroethylene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
109-99-9	Tetrahydrofuran	ND	290	ug/kg dry	50	08/27/15	B5H2705	8260	
108-88-3	Toluene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
10061-02-6	trans-1,3-Dichloropropylene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
110-57-6	trans-1,4-Dichloro-2-butene	ND	290	ug/kg dry	50	08/27/15	B5H2705	8260	
79-01-6	Trichloroethylene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
75-69-4	Trichlorofluoromethane	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
75-01-4	Vinyl chloride	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
Surrogate: Bromofluorobenzene			99.4 %	40.3-194		08/27/15	B5H2705	8260	
Surrogate: Dibromofluoromethane			110 %	52.1-217		08/27/15	B5H2705	8260	
Surrogate: Toluene-d8			104 %	55.4-196		08/27/15	B5H2705	8260	



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 FAX: (517) 335-9600

Client ID: CHTC - SS03 - 3"-9"

Lab ID: 1508214-03

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Semivolatiles</b>									
									<b>See note Y20</b>
91-57-6	2-Methylnaphthalene	ND	550	ug/kg dry	1	09/02/15	B5H2615	8270	
83-32-9	Acenaphthene	ND	220	ug/kg dry	1	09/02/15	B5H2615	8270	
208-96-8	Acenaphthylene	ND	220	ug/kg dry	1	09/02/15	B5H2615	8270	
120-12-7	Anthracene	ND	220	ug/kg dry	1	09/02/15	B5H2615	8270	
56-55-3	Benz[a]anthracene	ND	220	ug/kg dry	1	09/02/15	B5H2615	8270	
50-32-8	Benzo[a]pyrene	ND	440	ug/kg dry	1	09/02/15	B5H2615	8270	
205-99-2	Benzo[b]fluoranthene	ND	440	ug/kg dry	1	09/02/15	B5H2615	8270	
191-24-2	Benzo[g,h,i]perylene	ND	440	ug/kg dry	1	09/02/15	B5H2615	8270	
207-08-9	Benzo[k]fluoranthene	ND	440	ug/kg dry	1	09/02/15	B5H2615	8270	
218-01-9	Chrysene	ND	220	ug/kg dry	1	09/02/15	B5H2615	8270	
53-70-3	Dibenz[a,h]anthracene	ND	440	ug/kg dry	1	09/02/15	B5H2615	8270	
206-44-0	Fluoranthene	ND	220	ug/kg dry	1	09/02/15	B5H2615	8270	
86-73-7	Fluorene	ND	220	ug/kg dry	1	09/02/15	B5H2615	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	440	ug/kg dry	1	09/02/15	B5H2615	8270	
91-20-3	Naphthalene	ND	220	ug/kg dry	1	09/02/15	B5H2615	8270	
85-01-8	Phenanthrene	ND	220	ug/kg dry	1	09/02/15	B5H2615	8270	
129-00-0	Pyrene	ND	220	ug/kg dry	1	09/02/15	B5H2615	8270	
<i>Surrogate: 2-Fluorobiphenyl</i>			65.7 %	32.9-115		09/02/15	B5H2615	8270	
<i>Surrogate: Nitrobenzene-d5</i>			63.7 %	31.8-115		09/02/15	B5H2615	8270	
<i>Surrogate: p-Terphenyl-d14</i>			84.6 %	38.5-115		09/02/15	B5H2615	8270	
<b>Organics-PCBs as Aroclors</b>									
12674-11-2	Aroclor 1016	ND	110	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
11104-28-2	Aroclor 1221	ND	110	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
11141-16-5	Aroclor 1232	ND	110	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
53469-21-9	Aroclor 1242	ND	110	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
12672-29-6	Aroclor 1248	ND	110	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
11097-69-1	Aroclor 1254	ND	110	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
11096-82-5	Aroclor 1260	ND	110	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
37324-23-5	Aroclor 1262	ND	110	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
11100-14-4	Aroclor 1268	ND	110	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
<i>Surrogate: Decachlorobiphenyl</i>			72.6 %	30-150		09/12/15	B5I0411	8081/8082	
<i>Surrogate: Tetrachloro-m-xylene</i>			69.8 %	30-150		09/12/15	B5I0411	8081/8082	



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Client ID: CHTC - SS03 - 3''-9''

Lab ID: 1508214-03

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Inorganics-General Chemistry</b>									
TS	% Total Solids	91.4	0.1	%	1	08/26/15	B5H2609	2540 B	
57-12-5	Total Cyanide	ND	0.11	mg/kg dry	1	08/28/15	B5H2406	ASTM D7284	
<b>Inorganics-Metals</b>									
7429-90-5	Aluminium	4100	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-36-0	Antimony	ND	0.3	mg/kg dry	10	09/04/15	B5H2703	6020/200.8	
7440-38-2	Arsenic	1.9	0.5	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-39-3	Barium	39	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-41-7	Beryllium	0.2	0.2	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-43-9	Cadmium	ND	0.2	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-47-3	Chromium	ND	20	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-48-4	Cobalt	ND	5.0	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-50-8	Copper	610	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7439-89-6	Iron	10000	5.0	mg/kg dry	10	09/11/15	B5H2802	6010/200.7	A09
7439-92-1	Lead	140	10	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7439-93-2	Lithium	3.8	0.2	mg/kg dry	1	09/11/15	B5H2802	6010/200.7	
7439-95-4	Magnesium	2600	5.0	mg/kg dry	1	09/11/15	B5H2802	6010/200.7	
7439-96-5	Manganese	120	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7439-97-6	Mercury	ND	0.05	mg/kg dry	1	09/03/15	B5I0203	7471/245.5	
7440-02-0	Nickel	8.8	1.0	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7782-49-2	Selenium	ND	0.2	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-22-4	Silver	0.3	0.1	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-28-0	Thallium	ND	0.5	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-66-6	Zinc	66	10	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	



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Client ID: CHTC - SS04 - 3"-9"

Lab ID: 1508214-04

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
630-20-6	1,1,1,2-Tetrachloroethane	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
71-55-6	1,1,1-Trichloroethane	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
79-00-5	1,1,2-Trichloroethane	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
75-34-3	1,1-Dichloroethane	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
75-35-4	1,1-Dichloroethylene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
96-18-4	1,2,3-Trichloropropane	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
120-82-1	1,2,4-Trichlorobenzene	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>68</b>	61	ug/kg dry	50	08/27/15	B5H2705	8260	
96-12-8	1,2-Dibromo-3-chloropropane	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
106-93-4	1,2-Dibromoethane	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
95-50-1	1,2-Dichlorobenzene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
107-06-2	1,2-Dichloroethane	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
78-87-5	1,2-Dichloropropane	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
108-67-8	1,3,5-Trimethylbenzene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
541-73-1	1,3-Dichlorobenzene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
106-46-7	1,4-Dichlorobenzene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
78-93-3	2-Butanone (MEK)	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
591-78-6	2-Hexanone	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
91-57-6	2-Methylnaphthalene	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	X
67-64-1	2-Propanone (acetone)	ND	1200	ug/kg dry	50	08/27/15	B5H2705	8260	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
107-13-1	Acrylonitrile	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
71-43-2	<b>Benzene</b>	<b>81</b>	61	ug/kg dry	50	08/27/15	B5H2705	8260	
108-86-1	Bromobenzene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
74-97-5	Bromochloromethane	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
75-27-4	Bromodichloromethane	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
75-25-2	Bromoform	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
74-83-9	Bromomethane	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
75-15-0	Carbon disulfide	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
56-23-5	Carbon tetrachloride	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
108-90-7	Chlorobenzene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
75-00-3	Chloroethane	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
67-66-3	Chloroform	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
74-87-3	Chloromethane	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
156-59-2	cis-1,2-Dichloroethylene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
10061-01-5	cis-1,3-Dichloropropylene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
110-82-7	Cyclohexane	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
124-48-1	Dibromochloromethane	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	





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Client ID: CHTC - SS04 - 3"-9"

Lab ID: 1508214-04

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
74-95-3	Dibromomethane	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
75-71-8	Dichlorodifluoromethane	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
60-29-7	Diethyl ether	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
108-20-3	Diisopropyl Ether	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
100-41-4	Ethylbenzene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
637-92-3	Ethyltertiarybutylether	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
67-72-1	Hexachloroethane	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
98-82-8	Isopropylbenzene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
1330-20-7	<b>m &amp; p - Xylene</b>	<b>150</b>	120	ug/kg dry	50	08/27/15	B5H2705	8260	
74-88-4	Methyl iodide	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
75-09-2	Methylene chloride	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
1634-04-4	Methyltertiarybutylether	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
91-20-3	Naphthalene	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	X
104-51-8	n-Butylbenzene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
103-65-1	n-Propylbenzene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
95-47-6	<b>o-Xylene</b>	<b>91</b>	61	ug/kg dry	50	08/27/15	B5H2705	8260	
99-87-6	p-Isopropyl toluene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
135-98-8	sec-Butylbenzene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
100-42-5	Styrene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
98-06-6	tert-Butylbenzene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
75-65-0	tertiary Butyl Alcohol	ND	3100	ug/kg dry	50	08/27/15	B5H2705	8260	
994-05-8	tertiaryAmylmethylether	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
127-18-4	Tetrachloroethylene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
109-99-9	Tetrahydrofuran	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
108-88-3	<b>Toluene</b>	<b>210</b>	61	ug/kg dry	50	08/27/15	B5H2705	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
10061-02-6	trans-1,3-Dichloropropylene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
110-57-6	trans-1,4-Dichloro-2-butene	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
79-01-6	Trichloroethylene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
75-69-4	Trichlorofluoromethane	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
75-01-4	Vinyl chloride	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
Surrogate: Bromofluorobenzene			99.5 %	40.3-194		08/27/15	B5H2705	8260	
Surrogate: Dibromofluoromethane			114 %	52.1-217		08/27/15	B5H2705	8260	
Surrogate: Toluene-d8			106 %	55.4-196		08/27/15	B5H2705	8260	



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Client ID: CHTC - SS04 - 3"-9"

Lab ID: 1508214-04

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Semivolatiles</b>									
									<b>See note Y20, Y25</b>
91-57-6	2-Methylnaphthalene	ND	2700	ug/kg dry	1	09/02/15	B5H2615	8270	
83-32-9	Acenaphthene	ND	1100	ug/kg dry	1	09/02/15	B5H2615	8270	
208-96-8	Acenaphthylene	ND	1100	ug/kg dry	1	09/02/15	B5H2615	8270	
120-12-7	Anthracene	ND	1100	ug/kg dry	1	09/02/15	B5H2615	8270	
56-55-3	Benz[a]anthracene	ND	1100	ug/kg dry	1	09/02/15	B5H2615	8270	
50-32-8	Benzo[a]pyrene	ND	2200	ug/kg dry	1	09/02/15	B5H2615	8270	
205-99-2	Benzo[b]fluoranthene	ND	2200	ug/kg dry	1	09/02/15	B5H2615	8270	
191-24-2	Benzo[g,h,i]perylene	ND	2200	ug/kg dry	1	09/02/15	B5H2615	8270	
207-08-9	Benzo[k]fluoranthene	ND	2200	ug/kg dry	1	09/02/15	B5H2615	8270	
218-01-9	Chrysene	ND	1100	ug/kg dry	1	09/02/15	B5H2615	8270	
53-70-3	Dibenz[a,h]anthracene	ND	2200	ug/kg dry	1	09/02/15	B5H2615	8270	
206-44-0	Fluoranthene	ND	1100	ug/kg dry	1	09/02/15	B5H2615	8270	
86-73-7	Fluorene	ND	1100	ug/kg dry	1	09/02/15	B5H2615	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	2200	ug/kg dry	1	09/02/15	B5H2615	8270	
91-20-3	Naphthalene	ND	1100	ug/kg dry	1	09/02/15	B5H2615	8270	
85-01-8	Phenanthrene	ND	1100	ug/kg dry	1	09/02/15	B5H2615	8270	
129-00-0	Pyrene	ND	1100	ug/kg dry	1	09/02/15	B5H2615	8270	
<i>Surrogate: 2-Fluorobiphenyl</i>			66.4 %	32.9-115		09/02/15	B5H2615	8270	
<i>Surrogate: Nitrobenzene-d5</i>			59.2 %	31.8-115		09/02/15	B5H2615	8270	
<i>Surrogate: p-Terphenyl-d14</i>			88.8 %	38.5-115		09/02/15	B5H2615	8270	
<b>Organics-PCBs as Aroclors</b>									
12674-11-2	Aroclor 1016	ND	110	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
11104-28-2	Aroclor 1221	ND	110	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
11141-16-5	Aroclor 1232	ND	110	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
53469-21-9	Aroclor 1242	ND	110	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
12672-29-6	Aroclor 1248	ND	110	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
11097-69-1	Aroclor 1254	ND	110	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
11096-82-5	Aroclor 1260	ND	110	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
37324-23-5	Aroclor 1262	ND	110	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
11100-14-4	Aroclor 1268	ND	110	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
<i>Surrogate: Decachlorobiphenyl</i>			54.7 %	30-150		09/12/15	B5I0411	8081/8082	
<i>Surrogate: Tetrachloro-m-xylene</i>			68.7 %	30-150		09/12/15	B5I0411	8081/8082	



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY  
 ENVIRONMENTAL LABORATORY

P.O. Box 30270  
 Lansing, MI 48909  
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 FAX: (517) 335-9600

Client ID: CHTC - SS04 - 3"-9"

Lab ID: 1508214-04

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Inorganics-General Chemistry</b>									
TS	% Total Solids	90.9	0.1	%	1	08/26/15	B5H2609	2540 B	
57-12-5	Total Cyanide	ND	0.11	mg/kg dry	1	08/28/15	B5H2406	ASTM D7284	
<b>Inorganics-Metals</b>									
7429-90-5	Aluminium	6800	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-36-0	Antimony	0.3	0.3	mg/kg dry	10	09/04/15	B5H2703	6020/200.8	
7440-38-2	Arsenic	2.7	0.5	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-39-3	Barium	35	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-41-7	Beryllium	0.3	0.2	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-43-9	Cadmium	0.2	0.2	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-47-3	Chromium	ND	20	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-48-4	Cobalt	8.8	5.0	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-50-8	Copper	1200	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7439-89-6	Iron	13000	5.0	mg/kg dry	10	09/11/15	B5H2802	6010/200.7	A09
7439-92-1	Lead	98	10	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7439-93-2	Lithium	4.6	0.2	mg/kg dry	1	09/11/15	B5H2802	6010/200.7	
7439-95-4	Magnesium	6700	50	mg/kg dry	10	09/11/15	B5H2802	6010/200.7	
7439-96-5	Manganese	170	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7439-97-6	Mercury	0.07	0.05	mg/kg dry	1	09/03/15	B5I0203	7471/245.5	
7440-02-0	Nickel	19	1.0	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7782-49-2	Selenium	ND	0.2	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-22-4	Silver	0.6	0.1	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-28-0	Thallium	ND	0.5	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-66-6	Zinc	85	10	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	



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 FAX: (517) 335-9600

Client ID: CHTC - SS05 - 3"-9"

Lab ID: 1508214-05

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
630-20-6	1,1,1,2-Tetrachloroethane	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
71-55-6	1,1,1-Trichloroethane	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
79-00-5	1,1,2-Trichloroethane	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
75-34-3	1,1-Dichloroethane	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
75-35-4	1,1-Dichloroethylene	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	490	ug/kg dry	50	08/27/15	B5H2705	8260	
96-18-4	1,2,3-Trichloropropane	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
120-82-1	1,2,4-Trichlorobenzene	ND	490	ug/kg dry	50	08/27/15	B5H2705	8260	
95-63-6	1,2,4-Trimethylbenzene	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
96-12-8	1,2-Dibromo-3-chloropropane	ND	490	ug/kg dry	50	08/27/15	B5H2705	8260	
106-93-4	1,2-Dibromoethane	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
95-50-1	1,2-Dichlorobenzene	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
107-06-2	1,2-Dichloroethane	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
78-87-5	1,2-Dichloropropane	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
108-67-8	1,3,5-Trimethylbenzene	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
541-73-1	1,3-Dichlorobenzene	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
106-46-7	1,4-Dichlorobenzene	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
78-93-3	2-Butanone (MEK)	ND	490	ug/kg dry	50	08/27/15	B5H2705	8260	
591-78-6	2-Hexanone	ND	490	ug/kg dry	50	08/27/15	B5H2705	8260	
91-57-6	2-Methylnaphthalene	ND	490	ug/kg dry	50	08/27/15	B5H2705	8260	X
67-64-1	2-Propanone (acetone)	ND	1900	ug/kg dry	50	08/27/15	B5H2705	8260	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	490	ug/kg dry	50	08/27/15	B5H2705	8260	
107-13-1	Acrylonitrile	ND	490	ug/kg dry	50	08/27/15	B5H2705	8260	
71-43-2	Benzene	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
108-86-1	Bromobenzene	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
74-97-5	Bromochloromethane	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
75-27-4	Bromodichloromethane	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
75-25-2	Bromoform	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
74-83-9	Bromomethane	ND	490	ug/kg dry	50	08/27/15	B5H2705	8260	
75-15-0	Carbon disulfide	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
56-23-5	Carbon tetrachloride	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
108-90-7	Chlorobenzene	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
75-00-3	Chloroethane	ND	490	ug/kg dry	50	08/27/15	B5H2705	8260	
67-66-3	Chloroform	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
74-87-3	Chloromethane	ND	490	ug/kg dry	50	08/27/15	B5H2705	8260	
156-59-2	cis-1,2-Dichloroethylene	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
10061-01-5	cis-1,3-Dichloropropylene	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
110-82-7	Cyclohexane	ND	490	ug/kg dry	50	08/27/15	B5H2705	8260	
124-48-1	Dibromochloromethane	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	



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Client ID: CHTC - SS05 - 3"-9"

Lab ID: 1508214-05

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
74-95-3	Dibromomethane	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
75-71-8	Dichlorodifluoromethane	ND	490	ug/kg dry	50	08/27/15	B5H2705	8260	
60-29-7	Diethyl ether	ND	490	ug/kg dry	50	08/27/15	B5H2705	8260	
108-20-3	Diisopropyl Ether	ND	490	ug/kg dry	50	08/27/15	B5H2705	8260	
100-41-4	Ethylbenzene	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
637-92-3	Ethyltertiarybutylether	ND	490	ug/kg dry	50	08/27/15	B5H2705	8260	
67-72-1	Hexachloroethane	ND	490	ug/kg dry	50	08/27/15	B5H2705	8260	
98-82-8	Isopropylbenzene	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
1330-20-7	m & p - Xylene	ND	190	ug/kg dry	50	08/27/15	B5H2705	8260	
74-88-4	Methyl iodide	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
75-09-2	Methylene chloride	ND	490	ug/kg dry	50	08/27/15	B5H2705	8260	
1634-04-4	Methyltertiarybutylether	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
91-20-3	Naphthalene	ND	490	ug/kg dry	50	08/27/15	B5H2705	8260	X
104-51-8	n-Butylbenzene	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
103-65-1	n-Propylbenzene	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
95-47-6	o-Xylene	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
99-87-6	p-Isopropyl toluene	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
135-98-8	sec-Butylbenzene	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
100-42-5	Styrene	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
98-06-6	tert-Butylbenzene	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
75-65-0	tertiary Butyl Alcohol	ND	4900	ug/kg dry	50	08/27/15	B5H2705	8260	
994-05-8	tertiaryAmylmethylether	ND	490	ug/kg dry	50	08/27/15	B5H2705	8260	
127-18-4	Tetrachloroethylene	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
109-99-9	Tetrahydrofuran	ND	490	ug/kg dry	50	08/27/15	B5H2705	8260	
108-88-3	Toluene	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
10061-02-6	trans-1,3-Dichloropropylene	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
110-57-6	trans-1,4-Dichloro-2-butene	ND	490	ug/kg dry	50	08/27/15	B5H2705	8260	
79-01-6	Trichloroethylene	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
75-69-4	Trichlorofluoromethane	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
75-01-4	Vinyl chloride	ND	97	ug/kg dry	50	08/27/15	B5H2705	8260	
Surrogate: Bromofluorobenzene			97.3 %	40.3-194		08/27/15	B5H2705	8260	
Surrogate: Dibromofluoromethane			109 %	52.1-217		08/27/15	B5H2705	8260	
Surrogate: Toluene-d8			103 %	55.4-196		08/27/15	B5H2705	8260	



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Client ID: CHTC - SS05 - 3''-9''

Lab ID: 1508214-05

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Semivolatiles</b>									
									<b>See note Y20, Y25</b>
91-57-6	2-Methylnaphthalene	ND	5600	ug/kg dry	1	09/04/15	B5H2706	8270	
83-32-9	Acenaphthene	ND	2200	ug/kg dry	1	09/04/15	B5H2706	8270	
208-96-8	Acenaphthylene	ND	2200	ug/kg dry	1	09/04/15	B5H2706	8270	
120-12-7	Anthracene	ND	2200	ug/kg dry	1	09/04/15	B5H2706	8270	
56-55-3	Benz[a]anthracene	ND	2200	ug/kg dry	1	09/04/15	B5H2706	8270	
50-32-8	Benzo[a]pyrene	ND	4500	ug/kg dry	1	09/04/15	B5H2706	8270	
205-99-2	Benzo[b]fluoranthene	ND	4500	ug/kg dry	1	09/04/15	B5H2706	8270	
191-24-2	Benzo[g,h,i]perylene	ND	4500	ug/kg dry	1	09/04/15	B5H2706	8270	
207-08-9	Benzo[k]fluoranthene	ND	4500	ug/kg dry	1	09/04/15	B5H2706	8270	
218-01-9	Chrysene	ND	2200	ug/kg dry	1	09/04/15	B5H2706	8270	
53-70-3	Dibenz[a,h]anthracene	ND	4500	ug/kg dry	1	09/04/15	B5H2706	8270	
206-44-0	Fluoranthene	ND	2200	ug/kg dry	1	09/04/15	B5H2706	8270	
86-73-7	Fluorene	ND	2200	ug/kg dry	1	09/04/15	B5H2706	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	4500	ug/kg dry	1	09/04/15	B5H2706	8270	
91-20-3	Naphthalene	ND	2200	ug/kg dry	1	09/04/15	B5H2706	8270	
85-01-8	Phenanthrene	ND	2200	ug/kg dry	1	09/04/15	B5H2706	8270	
129-00-0	Pyrene	ND	2200	ug/kg dry	1	09/04/15	B5H2706	8270	
<i>Surrogate: 2-Fluorobiphenyl</i>			56.4 %	32.9-115		09/04/15	B5H2706	8270	
<i>Surrogate: Nitrobenzene-d5</i>			45.4 %	31.8-115		09/04/15	B5H2706	8270	
<i>Surrogate: p-Terphenyl-d14</i>			73.0 %	38.5-115		09/04/15	B5H2706	8270	
<b>Organics-PCBs as Aroclors</b>									
12674-11-2	Aroclor 1016	ND	110	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
11104-28-2	Aroclor 1221	ND	110	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
11141-16-5	Aroclor 1232	ND	110	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
53469-21-9	Aroclor 1242	ND	110	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
12672-29-6	Aroclor 1248	ND	110	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
11097-69-1	Aroclor 1254	ND	110	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
11096-82-5	Aroclor 1260	ND	110	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
37324-23-5	Aroclor 1262	ND	110	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
11100-14-4	Aroclor 1268	ND	110	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
<i>Surrogate: Decachlorobiphenyl</i>			67.8 %	30-150		09/12/15	B5I0411	8081/8082	
<i>Surrogate: Tetrachloro-m-xylene</i>			76.4 %	30-150		09/12/15	B5I0411	8081/8082	



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**Client ID: CHTC - SS05 - 3''-9''**

**Lab ID: 1508214-05**

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Inorganics-General Chemistry</b>									
TS	<b>% Total Solids</b>	<b>89.6</b>	0.1	%	1	08/26/15	B5H2609	2540 B	
57-12-5	Total Cyanide	ND	0.11	mg/kg dry	1	08/28/15	B5H2406	ASTM D7284	
<b>Inorganics-Metals</b>									
7429-90-5	<b>Aluminium</b>	<b>9000</b>	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-36-0	<b>Antimony</b>	<b>0.7</b>	0.3	mg/kg dry	10	09/04/15	B5H2703	6020/200.8	
7440-38-2	Arsenic	ND	5.0	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7440-39-3	<b>Barium</b>	<b>63</b>	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-41-7	Beryllium	ND	2.0	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7440-43-9	<b>Cadmium</b>	<b>0.3</b>	0.2	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-47-3	<b>Chromium</b>	<b>23</b>	20	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-48-4	<b>Cobalt</b>	<b>14</b>	5.0	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-50-8	<b>Copper</b>	<b>1900</b>	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7439-89-6	<b>Iron</b>	<b>20000</b>	5.0	mg/kg dry	10	09/11/15	B5H2802	6010/200.7	A09
7439-92-1	<b>Lead</b>	<b>410</b>	10	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7439-93-2	<b>Lithium</b>	<b>5.1</b>	0.2	mg/kg dry	1	09/11/15	B5H2802	6010/200.7	
7439-95-4	<b>Magnesium</b>	<b>11000</b>	50	mg/kg dry	10	09/11/15	B5H2802	6010/200.7	
7439-96-5	<b>Manganese</b>	<b>280</b>	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7439-97-6	<b>Mercury</b>	<b>0.1</b>	0.06	mg/kg dry	1	09/03/15	B5I0203	7471/245.5	
7440-02-0	<b>Nickel</b>	<b>37</b>	10	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7782-49-2	Selenium	ND	2.0	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7440-22-4	<b>Silver</b>	<b>0.7</b>	0.1	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-28-0	Thallium	ND	0.5	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-66-6	<b>Zinc</b>	<b>150</b>	10	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	



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 ENVIRONMENTAL LABORATORY

P.O. Box 30270  
 Lansing, MI 48909  
 TEL: (517) 335-9800  
 FAX: (517) 335-9600

Client ID: CHTC - SS06 - 3''-9''

Lab ID: 1508214-06

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
630-20-6	1,1,1,2-Tetrachloroethane	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
71-55-6	1,1,1-Trichloroethane	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
79-00-5	1,1,2-Trichloroethane	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
75-34-3	1,1-Dichloroethane	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
75-35-4	1,1-Dichloroethylene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
96-18-4	1,2,3-Trichloropropane	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
120-82-1	1,2,4-Trichlorobenzene	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
95-63-6	1,2,4-Trimethylbenzene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
96-12-8	1,2-Dibromo-3-chloropropane	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
106-93-4	1,2-Dibromoethane	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
95-50-1	1,2-Dichlorobenzene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
107-06-2	1,2-Dichloroethane	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
78-87-5	1,2-Dichloropropane	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
108-67-8	1,3,5-Trimethylbenzene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
541-73-1	1,3-Dichlorobenzene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
106-46-7	1,4-Dichlorobenzene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
78-93-3	2-Butanone (MEK)	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
591-78-6	2-Hexanone	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
91-57-6	2-Methylnaphthalene	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	X
67-64-1	2-Propanone (acetone)	ND	1400	ug/kg dry	50	08/27/15	B5H2705	8260	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
107-13-1	Acrylonitrile	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
71-43-2	Benzene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
108-86-1	Bromobenzene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
74-97-5	Bromochloromethane	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
75-27-4	Bromodichloromethane	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
75-25-2	Bromoform	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
74-83-9	Bromomethane	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
75-15-0	Carbon disulfide	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
56-23-5	Carbon tetrachloride	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
108-90-7	Chlorobenzene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
75-00-3	Chloroethane	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
67-66-3	Chloroform	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
74-87-3	Chloromethane	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
156-59-2	cis-1,2-Dichloroethylene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
10061-01-5	cis-1,3-Dichloropropylene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
110-82-7	Cyclohexane	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
124-48-1	Dibromochloromethane	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	





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Client ID: CHTC - SS06 - 3"-9"

Lab ID: 1508214-06

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
74-95-3	Dibromomethane	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
75-71-8	Dichlorodifluoromethane	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
60-29-7	Diethyl ether	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
108-20-3	Diisopropyl Ether	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
100-41-4	Ethylbenzene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
637-92-3	Ethyltertiarybutylether	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
67-72-1	Hexachloroethane	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
98-82-8	Isopropylbenzene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
1330-20-7	m & p - Xylene	ND	140	ug/kg dry	50	08/27/15	B5H2705	8260	
74-88-4	Methyl iodide	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
75-09-2	Methylene chloride	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
1634-04-4	Methyltertiarybutylether	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
91-20-3	Naphthalene	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	X
104-51-8	n-Butylbenzene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
103-65-1	n-Propylbenzene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
95-47-6	o-Xylene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
99-87-6	p-Isopropyl toluene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
135-98-8	sec-Butylbenzene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
100-42-5	Styrene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
98-06-6	tert-Butylbenzene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
75-65-0	tertiary Butyl Alcohol	ND	3400	ug/kg dry	50	08/27/15	B5H2705	8260	
994-05-8	tertiaryAmylmethylether	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
127-18-4	Tetrachloroethylene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
109-99-9	Tetrahydrofuran	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
108-88-3	Toluene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
10061-02-6	trans-1,3-Dichloropropylene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
110-57-6	trans-1,4-Dichloro-2-butene	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
79-01-6	Trichloroethylene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
75-69-4	Trichlorofluoromethane	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
75-01-4	Vinyl chloride	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
Surrogate: Bromofluorobenzene			75.6 %	40.3-194		08/27/15	B5H2705	8260	
Surrogate: Dibromofluoromethane			84.4 %	52.1-217		08/27/15	B5H2705	8260	
Surrogate: Toluene-d8			77.8 %	55.4-196		08/27/15	B5H2705	8260	



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 FAX: (517) 335-9600

Client ID: CHTC - SS06 - 3''-9''

Lab ID: 1508214-06

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Semivolatiles</b>									
									<b>See note Y20, Y25</b>
91-57-6	2-Methylnaphthalene	ND	2900	ug/kg dry	1	09/04/15	B5H2706	8270	
83-32-9	Acenaphthene	ND	1200	ug/kg dry	1	09/04/15	B5H2706	8270	
208-96-8	Acenaphthylene	ND	1200	ug/kg dry	1	09/04/15	B5H2706	8270	
120-12-7	Anthracene	ND	1200	ug/kg dry	1	09/04/15	B5H2706	8270	
56-55-3	Benz[a]anthracene	ND	1200	ug/kg dry	1	09/04/15	B5H2706	8270	
50-32-8	Benzo[a]pyrene	ND	2300	ug/kg dry	1	09/04/15	B5H2706	8270	
205-99-2	Benzo[b]fluoranthene	ND	2300	ug/kg dry	1	09/04/15	B5H2706	8270	
191-24-2	Benzo[g,h,i]perylene	ND	2300	ug/kg dry	1	09/04/15	B5H2706	8270	
207-08-9	Benzo[k]fluoranthene	ND	2300	ug/kg dry	1	09/04/15	B5H2706	8270	
218-01-9	Chrysene	ND	1200	ug/kg dry	1	09/04/15	B5H2706	8270	
53-70-3	Dibenz[a,h]anthracene	ND	2300	ug/kg dry	1	09/04/15	B5H2706	8270	
206-44-0	Fluoranthene	ND	1200	ug/kg dry	1	09/04/15	B5H2706	8270	
86-73-7	Fluorene	ND	1200	ug/kg dry	1	09/04/15	B5H2706	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	2300	ug/kg dry	1	09/04/15	B5H2706	8270	
91-20-3	Naphthalene	ND	1200	ug/kg dry	1	09/04/15	B5H2706	8270	
85-01-8	Phenanthrene	ND	1200	ug/kg dry	1	09/04/15	B5H2706	8270	
129-00-0	Pyrene	ND	1200	ug/kg dry	1	09/04/15	B5H2706	8270	
<i>Surrogate: 2-Fluorobiphenyl</i>			65.6 %	32.9-115		09/04/15	B5H2706	8270	
<i>Surrogate: Nitrobenzene-d5</i>			57.4 %	31.8-115		09/04/15	B5H2706	8270	
<i>Surrogate: p-Terphenyl-d14</i>			86.5 %	38.5-115		09/04/15	B5H2706	8270	
<b>Organics-PCBs as Aroclors</b>									
12674-11-2	Aroclor 1016	ND	120	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
11104-28-2	Aroclor 1221	ND	120	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
11141-16-5	Aroclor 1232	ND	120	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
53469-21-9	Aroclor 1242	ND	120	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
12672-29-6	Aroclor 1248	ND	120	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
11097-69-1	Aroclor 1254	ND	120	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
11096-82-5	Aroclor 1260	ND	120	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
37324-23-5	Aroclor 1262	ND	120	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
11100-14-4	Aroclor 1268	ND	120	ug/kg dry	1	09/12/15	B5I0411	8081/8082	
<i>Surrogate: Decachlorobiphenyl</i>			51.2 %	30-150		09/12/15	B5I0411	8081/8082	
<i>Surrogate: Tetrachloro-m-xylene</i>			66.1 %	30-150		09/12/15	B5I0411	8081/8082	



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Client ID: CHTC - SS06 - 3''-9''

Lab ID: 1508214-06

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Inorganics-General Chemistry</b>									
TS	<b>% Total Solids</b>	<b>85.2</b>	0.1	%	1	08/26/15	B5H2609	2540 B	
57-12-5	Total Cyanide	ND	0.12	mg/kg dry	1	08/28/15	B5H2406	ASTM D7284	
<b>Inorganics-Metals</b>									
7429-90-5	<b>Aluminium</b>	<b>2600</b>	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-36-0	Antimony	ND	0.3	mg/kg dry	10	09/04/15	B5H2703	6020/200.8	
7440-38-2	<b>Arsenic</b>	<b>1.4</b>	0.5	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-39-3	<b>Barium</b>	<b>28</b>	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-41-7	Beryllium	ND	0.2	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-43-9	Cadmium	ND	0.2	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-47-3	Chromium	ND	20	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-48-4	Cobalt	ND	5.0	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-50-8	<b>Copper</b>	<b>570</b>	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7439-89-6	<b>Iron</b>	<b>6900</b>	5.0	mg/kg dry	10	09/11/15	B5H2802	6010/200.7	A09
7439-92-1	<b>Lead</b>	<b>68</b>	10	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7439-93-2	<b>Lithium</b>	<b>2.3</b>	0.2	mg/kg dry	1	09/11/15	B5H2802	6010/200.7	
7439-95-4	<b>Magnesium</b>	<b>1300</b>	5.0	mg/kg dry	1	09/11/15	B5H2802	6010/200.7	
7439-96-5	<b>Manganese</b>	<b>86</b>	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7439-97-6	<b>Mercury</b>	<b>0.1</b>	0.06	mg/kg dry	1	09/03/15	B5I0203	7471/245.5	
7440-02-0	<b>Nickel</b>	<b>4.8</b>	1.0	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7782-49-2	Selenium	ND	0.2	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-22-4	<b>Silver</b>	<b>0.4</b>	0.1	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-28-0	Thallium	ND	0.5	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-66-6	<b>Zinc</b>	<b>57</b>	10	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	



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Client ID: CHTC - SS07 - 3''-9''

Lab ID: 1508214-07

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
630-20-6	1,1,1,2-Tetrachloroethane	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
71-55-6	1,1,1-Trichloroethane	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
79-00-5	1,1,2-Trichloroethane	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
75-34-3	1,1-Dichloroethane	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
75-35-4	1,1-Dichloroethylene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
96-18-4	1,2,3-Trichloropropane	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
120-82-1	1,2,4-Trichlorobenzene	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
95-63-6	1,2,4-Trimethylbenzene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
96-12-8	1,2-Dibromo-3-chloropropane	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
106-93-4	1,2-Dibromoethane	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
95-50-1	1,2-Dichlorobenzene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
107-06-2	1,2-Dichloroethane	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
78-87-5	1,2-Dichloropropane	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
108-67-8	1,3,5-Trimethylbenzene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
541-73-1	1,3-Dichlorobenzene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
106-46-7	1,4-Dichlorobenzene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
78-93-3	2-Butanone (MEK)	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
591-78-6	2-Hexanone	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
91-57-6	2-Methylnaphthalene	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	X
67-64-1	2-Propanone (acetone)	ND	1600	ug/kg dry	50	08/27/15	B5H2705	8260	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
107-13-1	Acrylonitrile	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
71-43-2	Benzene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
108-86-1	Bromobenzene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
74-97-5	Bromochloromethane	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
75-27-4	Bromodichloromethane	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
75-25-2	Bromoform	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
74-83-9	Bromomethane	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
75-15-0	Carbon disulfide	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
56-23-5	Carbon tetrachloride	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
108-90-7	Chlorobenzene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
75-00-3	Chloroethane	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
67-66-3	Chloroform	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
74-87-3	Chloromethane	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
156-59-2	cis-1,2-Dichloroethylene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
10061-01-5	cis-1,3-Dichloropropylene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
110-82-7	Cyclohexane	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
124-48-1	Dibromochloromethane	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	



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 FAX: (517) 335-9600

Client ID: CHTC - SS07 - 3"-9"

Lab ID: 1508214-07

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
74-95-3	Dibromomethane	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
75-71-8	Dichlorodifluoromethane	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
60-29-7	Diethyl ether	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
108-20-3	Diisopropyl Ether	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
100-41-4	Ethylbenzene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
637-92-3	Ethyltertiarybutylether	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
67-72-1	Hexachloroethane	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
98-82-8	Isopropylbenzene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
1330-20-7	m & p - Xylene	ND	160	ug/kg dry	50	08/27/15	B5H2705	8260	
74-88-4	Methyl iodide	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
75-09-2	Methylene chloride	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
1634-04-4	Methyltertiarybutylether	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
91-20-3	Naphthalene	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	X
104-51-8	n-Butylbenzene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
103-65-1	n-Propylbenzene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
95-47-6	o-Xylene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
99-87-6	p-Isopropyl toluene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
135-98-8	sec-Butylbenzene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
100-42-5	Styrene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
98-06-6	tert-Butylbenzene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
75-65-0	tertiary Butyl Alcohol	ND	4100	ug/kg dry	50	08/27/15	B5H2705	8260	
994-05-8	tertiaryAmylmethylether	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
127-18-4	Tetrachloroethylene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
109-99-9	Tetrahydrofuran	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
108-88-3	Toluene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
10061-02-6	trans-1,3-Dichloropropylene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
110-57-6	trans-1,4-Dichloro-2-butene	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
79-01-6	Trichloroethylene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
75-69-4	Trichlorofluoromethane	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
75-01-4	Vinyl chloride	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
Surrogate: Bromofluorobenzene			97.4 %	40.3-194		08/27/15	B5H2705	8260	
Surrogate: Dibromofluoromethane			111 %	52.1-217		08/27/15	B5H2705	8260	
Surrogate: Toluene-d8			103 %	55.4-196		08/27/15	B5H2705	8260	



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 FAX: (517) 335-9600

Client ID: CHTC - SS07 - 3''-9''

Lab ID: 1508214-07

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Semivolatiles</b>									
									<b>See note Y20, Y25</b>
91-57-6	2-Methylnaphthalene	ND	6100	ug/kg dry	1	09/04/15	B5H2706	8270	
83-32-9	Acenaphthene	ND	2400	ug/kg dry	1	09/04/15	B5H2706	8270	
208-96-8	Acenaphthylene	ND	2400	ug/kg dry	1	09/04/15	B5H2706	8270	
120-12-7	Anthracene	ND	2400	ug/kg dry	1	09/04/15	B5H2706	8270	
56-55-3	Benz[a]anthracene	ND	2400	ug/kg dry	1	09/04/15	B5H2706	8270	
50-32-8	Benzo[a]pyrene	ND	4900	ug/kg dry	1	09/04/15	B5H2706	8270	
205-99-2	Benzo[b]fluoranthene	ND	4900	ug/kg dry	1	09/04/15	B5H2706	8270	
191-24-2	Benzo[g,h,i]perylene	ND	4900	ug/kg dry	1	09/04/15	B5H2706	8270	
207-08-9	Benzo[k]fluoranthene	ND	4900	ug/kg dry	1	09/04/15	B5H2706	8270	
218-01-9	Chrysene	ND	2400	ug/kg dry	1	09/04/15	B5H2706	8270	
53-70-3	Dibenz[a,h]anthracene	ND	4900	ug/kg dry	1	09/04/15	B5H2706	8270	
206-44-0	Fluoranthene	ND	2400	ug/kg dry	1	09/04/15	B5H2706	8270	
86-73-7	Fluorene	ND	2400	ug/kg dry	1	09/04/15	B5H2706	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	4900	ug/kg dry	1	09/04/15	B5H2706	8270	
91-20-3	Naphthalene	ND	2400	ug/kg dry	1	09/04/15	B5H2706	8270	
85-01-8	Phenanthrene	ND	2400	ug/kg dry	1	09/04/15	B5H2706	8270	
129-00-0	Pyrene	ND	2400	ug/kg dry	1	09/04/15	B5H2706	8270	
<i>Surrogate: 2-Fluorobiphenyl</i>			49.9 %	32.9-115		09/04/15	B5H2706	8270	
<i>Surrogate: Nitrobenzene-d5</i>			42.6 %	31.8-115		09/04/15	B5H2706	8270	
<i>Surrogate: p-Terphenyl-d14</i>			57.8 %	38.5-115		09/04/15	B5H2706	8270	
<b>Organics-PCBs as Aroclors</b>									
									<b>See note Y25</b>
12674-11-2	Aroclor 1016	ND	240	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
11104-28-2	Aroclor 1221	ND	240	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
11141-16-5	Aroclor 1232	ND	240	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
53469-21-9	Aroclor 1242	ND	240	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
12672-29-6	Aroclor 1248	ND	240	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
11097-69-1	Aroclor 1254	ND	240	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
11096-82-5	Aroclor 1260	ND	240	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
37324-23-5	Aroclor 1262	ND	240	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
11100-14-4	Aroclor 1268	ND	240	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
<i>Surrogate: Decachlorobiphenyl</i>			48.3 %	30-150		09/13/15	B5I0411	8081/8082	
<i>Surrogate: Tetrachloro-m-xylene</i>			76.7 %	30-150		09/13/15	B5I0411	8081/8082	



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 FAX: (517) 335-9600

Client ID: CHTC - SS07 - 3''-9''

Lab ID: 1508214-07

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Inorganics-General Chemistry</b>									
TS	% Total Solids	82.3	0.1	%	1	08/26/15	B5H2609	2540 B	
57-12-5	Total Cyanide	12	0.12	mg/kg dry	1	08/28/15	B5H2406	ASTM D7284	A07
<b>Inorganics-Metals</b>									
7429-90-5	Aluminium	12000	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-36-0	Antimony	1.0	0.3	mg/kg dry	10	09/04/15	B5H2703	6020/200.8	
7440-38-2	Arsenic	3.7	0.5	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-39-3	Barium	2200	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-41-7	Beryllium	0.9	0.2	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-43-9	Cadmium	0.8	0.2	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-47-3	Chromium	32	20	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-48-4	Cobalt	13	5.0	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-50-8	Copper	1600	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7439-89-6	Iron	20000	5.0	mg/kg dry	10	09/11/15	B5H2802	6010/200.7	A09
7439-92-1	Lead	3300	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7439-93-2	Lithium	6.5	0.2	mg/kg dry	1	09/11/15	B5H2802	6010/200.7	
7439-95-4	Magnesium	11000	50	mg/kg dry	10	09/11/15	B5H2802	6010/200.7	
7439-96-5	Manganese	1200	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7439-97-6	Mercury	0.7	0.06	mg/kg dry	1	09/03/15	B5I0203	7471/245.5	
7440-02-0	Nickel	24	1.0	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7782-49-2	Selenium	0.3	0.2	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-22-4	Silver	1.1	0.1	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-28-0	Thallium	ND	0.5	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-66-6	Zinc	1400	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	



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 FAX: (517) 335-9600

Client ID: CHTC - DM01 - 0-6"

Lab ID: 1508214-08

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Semivolatiles</b>									
									<b>See note Y17, Y21</b>
91-57-6	2-Methylnaphthalene	ND	370000	ug/kg dry	10	09/10/15	B5H3118	8270	
83-32-9	Acenaphthene	ND	150000	ug/kg dry	10	09/10/15	B5H3118	8270	
208-96-8	Acenaphthylene	ND	150000	ug/kg dry	10	09/10/15	B5H3118	8270	
120-12-7	Anthracene	ND	150000	ug/kg dry	10	09/10/15	B5H3118	8270	
56-55-3	Benz[a]anthracene	ND	150000	ug/kg dry	10	09/10/15	B5H3118	8270	
50-32-8	Benzo[a]pyrene	ND	290000	ug/kg dry	10	09/10/15	B5H3118	8270	
205-99-2	Benzo[b]fluoranthene	ND	290000	ug/kg dry	10	09/10/15	B5H3118	8270	
191-24-2	Benzo[g,h,i]perylene	ND	290000	ug/kg dry	10	09/10/15	B5H3118	8270	
207-08-9	Benzo[k]fluoranthene	ND	290000	ug/kg dry	10	09/10/15	B5H3118	8270	
218-01-9	Chrysene	ND	150000	ug/kg dry	10	09/10/15	B5H3118	8270	
53-70-3	Dibenz[a,h]anthracene	ND	290000	ug/kg dry	10	09/10/15	B5H3118	8270	
206-44-0	Fluoranthene	ND	150000	ug/kg dry	10	09/10/15	B5H3118	8270	
86-73-7	Fluorene	ND	150000	ug/kg dry	10	09/10/15	B5H3118	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	290000	ug/kg dry	10	09/10/15	B5H3118	8270	
91-20-3	Naphthalene	ND	150000	ug/kg dry	10	09/10/15	B5H3118	8270	
85-01-8	Phenanthrene	ND	150000	ug/kg dry	10	09/10/15	B5H3118	8270	
129-00-0	Pyrene	ND	150000	ug/kg dry	10	09/10/15	B5H3118	8270	
Surrogate: 2-Fluorobiphenyl		Not Applicable		32.9-115		09/10/15	B5H3118	8270	V
Surrogate: Nitrobenzene-d5		Not Applicable		31.8-115		09/10/15	B5H3118	8270	V
Surrogate: p-Terphenyl-d14		Not Applicable		38.5-115		09/10/15	B5H3118	8270	V
<b>Organics-PCBs as Aroclors</b>									
12674-11-2	Aroclor 1016	ND	5900	ug/kg dry	10	09/13/15	B5I0804	8081/8082	Y21
11104-28-2	Aroclor 1221	ND	5900	ug/kg dry	10	09/13/15	B5I0804	8081/8082	Y21
11141-16-5	Aroclor 1232	ND	5900	ug/kg dry	10	09/13/15	B5I0804	8081/8082	Y21
53469-21-9	Aroclor 1242	ND	5900	ug/kg dry	10	09/13/15	B5I0804	8081/8082	Y21
12672-29-6	Aroclor 1248	ND	5900	ug/kg dry	10	09/13/15	B5I0804	8081/8082	Y21
11097-69-1	Aroclor 1254	ND	5900	ug/kg dry	10	09/13/15	B5I0804	8081/8082	Y21
11096-82-5	Aroclor 1260	ND	25000	ug/kg dry	10	09/13/15	B5I0804	8081/8082	Y21
37324-23-5	Aroclor 1262	ND	25000	ug/kg dry	10	09/13/15	B5I0804	8081/8082	Y21
11100-14-4	Aroclor 1268	ND	5900	ug/kg dry	10	09/13/15	B5I0804	8081/8082	Y21
Surrogate: Decachlorobiphenyl		Not Applicable		30-150		09/13/15	B5I0804	8081/8082	V
Surrogate: Tetrachloro-m-xylene		Not Applicable		30-150		09/13/15	B5I0804	8081/8082	V





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Client ID: CHTC - DM01 - 0-6"  
 Lab ID: 1508214-08

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Inorganics-General Chemistry</b>									
TS	<b>% Total Solids</b>	<b>85.4</b>	0.1	%	1	08/26/15	B5H2609	2540 B	PI
57-12-5	Total Cyanide	ND	1.2	mg/kg dry	10	08/28/15	B5H2406	ASTM D7284	I
<b>Inorganics-Metals</b>									
7429-90-5	Aluminium	ND	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-36-0	Antimony	ND	0.3	mg/kg dry	10	09/04/15	B5H2703	6020/200.8	
7440-38-2	Arsenic	ND	0.5	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-39-3	Barium	ND	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-41-7	Beryllium	ND	0.2	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-43-9	Cadmium	ND	0.2	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-47-3	Chromium	ND	2.0	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-48-4	Cobalt	ND	0.5	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-50-8	Copper	ND	1.0	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7439-89-6	<b>Iron</b>	<b>120</b>	0.5	mg/kg dry	1	09/11/15	B5H2802	6010/200.7	A09
7439-92-1	<b>Lead</b>	<b>250</b>	10	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7439-93-2	Lithium	ND	0.2	mg/kg dry	1	09/11/15	B5H2802	6010/200.7	
7439-95-4	<b>Magnesium</b>	<b>16</b>	5.0	mg/kg dry	1	09/11/15	B5H2802	6010/200.7	
7439-96-5	Manganese	ND	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7439-97-6	Mercury	ND	0.06	mg/kg dry	1	09/03/15	B5I0204	7471/245.5	
7440-02-0	Nickel	ND	1.0	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7782-49-2	Selenium	ND	0.2	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-22-4	Silver	ND	0.1	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-28-0	Thallium	ND	0.5	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-66-6	Zinc	ND	1.0	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	



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 TEL: (517) 335-9800  
 FAX: (517) 335-9600

Client ID: CHTC - SS08 - 3''-9''

Lab ID: 1508214-09

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
630-20-6	1,1,1,2-Tetrachloroethane	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
71-55-6	1,1,1-Trichloroethane	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
79-00-5	1,1,2-Trichloroethane	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
75-34-3	1,1-Dichloroethane	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
75-35-4	1,1-Dichloroethylene	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	420	ug/kg dry	50	08/27/15	B5H2705	8260	
96-18-4	1,2,3-Trichloropropane	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
120-82-1	1,2,4-Trichlorobenzene	ND	420	ug/kg dry	50	08/27/15	B5H2705	8260	
95-63-6	1,2,4-Trimethylbenzene	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
96-12-8	1,2-Dibromo-3-chloropropane	ND	420	ug/kg dry	50	08/27/15	B5H2705	8260	
106-93-4	1,2-Dibromoethane	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
95-50-1	1,2-Dichlorobenzene	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
107-06-2	1,2-Dichloroethane	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
78-87-5	1,2-Dichloropropane	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
108-67-8	1,3,5-Trimethylbenzene	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
541-73-1	1,3-Dichlorobenzene	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
106-46-7	1,4-Dichlorobenzene	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
78-93-3	2-Butanone (MEK)	ND	420	ug/kg dry	50	08/27/15	B5H2705	8260	
591-78-6	2-Hexanone	ND	420	ug/kg dry	50	08/27/15	B5H2705	8260	
91-57-6	2-Methylnaphthalene	ND	420	ug/kg dry	50	08/27/15	B5H2705	8260	X
67-64-1	2-Propanone (acetone)	ND	1700	ug/kg dry	50	08/27/15	B5H2705	8260	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	420	ug/kg dry	50	08/27/15	B5H2705	8260	
107-13-1	Acrylonitrile	ND	420	ug/kg dry	50	08/27/15	B5H2705	8260	
71-43-2	Benzene	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
108-86-1	Bromobenzene	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
74-97-5	Bromochloromethane	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
75-27-4	Bromodichloromethane	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
75-25-2	Bromoform	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
74-83-9	Bromomethane	ND	420	ug/kg dry	50	08/27/15	B5H2705	8260	
75-15-0	Carbon disulfide	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
56-23-5	Carbon tetrachloride	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
108-90-7	Chlorobenzene	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
75-00-3	Chloroethane	ND	420	ug/kg dry	50	08/27/15	B5H2705	8260	
67-66-3	Chloroform	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
74-87-3	Chloromethane	ND	420	ug/kg dry	50	08/27/15	B5H2705	8260	
156-59-2	cis-1,2-Dichloroethylene	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
10061-01-5	cis-1,3-Dichloropropylene	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
110-82-7	Cyclohexane	ND	420	ug/kg dry	50	08/27/15	B5H2705	8260	
124-48-1	Dibromochloromethane	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	



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P.O. Box 30270  
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 FAX: (517) 335-9600

Client ID: CHTC - SS08 - 3"-9"

Lab ID: 1508214-09

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
74-95-3	Dibromomethane	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
75-71-8	Dichlorodifluoromethane	ND	420	ug/kg dry	50	08/27/15	B5H2705	8260	
60-29-7	Diethyl ether	ND	420	ug/kg dry	50	08/27/15	B5H2705	8260	
108-20-3	Diisopropyl Ether	ND	420	ug/kg dry	50	08/27/15	B5H2705	8260	
100-41-4	Ethylbenzene	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
637-92-3	Ethyltertiarybutylether	ND	420	ug/kg dry	50	08/27/15	B5H2705	8260	
67-72-1	Hexachloroethane	ND	420	ug/kg dry	50	08/27/15	B5H2705	8260	
98-82-8	Isopropylbenzene	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
1330-20-7	m & p - Xylene	ND	170	ug/kg dry	50	08/27/15	B5H2705	8260	
74-88-4	Methyl iodide	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
75-09-2	Methylene chloride	ND	420	ug/kg dry	50	08/27/15	B5H2705	8260	
1634-04-4	Methyltertiarybutylether	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
91-20-3	Naphthalene	ND	420	ug/kg dry	50	08/27/15	B5H2705	8260	X
104-51-8	n-Butylbenzene	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
103-65-1	n-Propylbenzene	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
95-47-6	o-Xylene	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
99-87-6	p-Isopropyl toluene	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
135-98-8	sec-Butylbenzene	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
100-42-5	Styrene	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
98-06-6	tert-Butylbenzene	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
75-65-0	tertiary Butyl Alcohol	ND	4200	ug/kg dry	50	08/27/15	B5H2705	8260	
994-05-8	tertiaryAmylmethylether	ND	420	ug/kg dry	50	08/27/15	B5H2705	8260	
127-18-4	Tetrachloroethylene	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
109-99-9	Tetrahydrofuran	ND	420	ug/kg dry	50	08/27/15	B5H2705	8260	
108-88-3	Toluene	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
10061-02-6	trans-1,3-Dichloropropylene	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
110-57-6	trans-1,4-Dichloro-2-butene	ND	420	ug/kg dry	50	08/27/15	B5H2705	8260	
79-01-6	Trichloroethylene	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
75-69-4	Trichlorofluoromethane	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
75-01-4	Vinyl chloride	ND	83	ug/kg dry	50	08/27/15	B5H2705	8260	
Surrogate: Bromofluorobenzene			117 %	40.3-194		08/27/15	B5H2705	8260	
Surrogate: Dibromofluoromethane			130 %	52.1-217		08/27/15	B5H2705	8260	
Surrogate: Toluene-d8			123 %	55.4-196		08/27/15	B5H2705	8260	



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Client ID: CHTC - SS08 - 3''-9''

Lab ID: 1508214-09

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Semivolatiles</b>									
<b>See note Y20, Y25</b>									
91-57-6	2-Methylnaphthalene	ND	6300	ug/kg dry	1	09/09/15	B5H2706	8270	
83-32-9	Acenaphthene	ND	2500	ug/kg dry	1	09/09/15	B5H2706	8270	
208-96-8	Acenaphthylene	ND	2500	ug/kg dry	1	09/09/15	B5H2706	8270	
120-12-7	Anthracene	ND	2500	ug/kg dry	1	09/09/15	B5H2706	8270	
56-55-3	Benz[a]anthracene	ND	2500	ug/kg dry	1	09/09/15	B5H2706	8270	
50-32-8	Benzo[a]pyrene	ND	5000	ug/kg dry	1	09/09/15	B5H2706	8270	
205-99-2	Benzo[b]fluoranthene	ND	5000	ug/kg dry	1	09/09/15	B5H2706	8270	
191-24-2	Benzo[g,h,i]perylene	ND	5000	ug/kg dry	1	09/09/15	B5H2706	8270	
207-08-9	Benzo[k]fluoranthene	ND	5000	ug/kg dry	1	09/09/15	B5H2706	8270	
218-01-9	Chrysene	ND	2500	ug/kg dry	1	09/09/15	B5H2706	8270	
53-70-3	Dibenz[a,h]anthracene	ND	5000	ug/kg dry	1	09/09/15	B5H2706	8270	
206-44-0	<b>Fluoranthene</b>	<b>3900</b>	2500	ug/kg dry	1	09/09/15	B5H2706	8270	
86-73-7	Fluorene	ND	2500	ug/kg dry	1	09/09/15	B5H2706	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	5000	ug/kg dry	1	09/09/15	B5H2706	8270	
91-20-3	Naphthalene	ND	2500	ug/kg dry	1	09/09/15	B5H2706	8270	
85-01-8	Phenanthrene	ND	2500	ug/kg dry	1	09/09/15	B5H2706	8270	
129-00-0	<b>Pyrene</b>	<b>4400</b>	2500	ug/kg dry	1	09/09/15	B5H2706	8270	
<i>Surrogate: 2-Fluorobiphenyl</i>			56.1 %	32.9-115		09/09/15	B5H2706	8270	
<i>Surrogate: Nitrobenzene-d5</i>			51.4 %	31.8-115		09/09/15	B5H2706	8270	
<i>Surrogate: p-Terphenyl-d14</i>			68.2 %	38.5-115		09/09/15	B5H2706	8270	
<b>Organics-PCBs as Aroclors</b>									
12674-11-2	Aroclor 1016	ND	130	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
11104-28-2	Aroclor 1221	ND	130	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
11141-16-5	Aroclor 1232	ND	130	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
53469-21-9	Aroclor 1242	ND	130	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
12672-29-6	Aroclor 1248	ND	130	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
11097-69-1	Aroclor 1254	ND	130	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
11096-82-5	Aroclor 1260	ND	130	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
37324-23-5	Aroclor 1262	ND	130	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
11100-14-4	Aroclor 1268	ND	130	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
<i>Surrogate: Decachlorobiphenyl</i>			75.7 %	30-150		09/13/15	B5I0411	8081/8082	
<i>Surrogate: Tetrachloro-m-xylene</i>			79.5 %	30-150		09/13/15	B5I0411	8081/8082	



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Client ID: CHTC - SS08 - 3''-9''

Lab ID: 1508214-09

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Inorganics-General Chemistry</b>									
TS	<b>% Total Solids</b>	<b>80.0</b>	0.1	%	1	08/26/15	B5H2610	2540 B	
57-12-5	Total Cyanide	ND	0.13	mg/kg dry	1	08/28/15	B5H2406	ASTM D7284	
<b>Inorganics-Metals</b>									
7429-90-5	<b>Aluminium</b>	<b>6400</b>	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-36-0	<b>Antimony</b>	<b>0.3</b>	0.3	mg/kg dry	10	09/04/15	B5H2703	6020/200.8	
7440-38-2	<b>Arsenic</b>	<b>2.4</b>	0.5	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-39-3	<b>Barium</b>	<b>35</b>	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-41-7	<b>Beryllium</b>	<b>0.3</b>	0.2	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-43-9	<b>Cadmium</b>	<b>0.3</b>	0.2	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-47-3	Chromium	ND	20	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-48-4	<b>Cobalt</b>	<b>6.4</b>	5.0	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-50-8	<b>Copper</b>	<b>950</b>	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7439-89-6	<b>Iron</b>	<b>15000</b>	5.0	mg/kg dry	10	09/11/15	B5H2802	6010/200.7	A09
7439-92-1	<b>Lead</b>	<b>170</b>	10	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7439-93-2	<b>Lithium</b>	<b>5.7</b>	0.2	mg/kg dry	1	09/11/15	B5H2802	6010/200.7	
7439-95-4	<b>Magnesium</b>	<b>4700</b>	50	mg/kg dry	10	09/11/15	B5H2802	6010/200.7	
7439-96-5	<b>Manganese</b>	<b>160</b>	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7439-97-6	<b>Mercury</b>	<b>0.09</b>	0.06	mg/kg dry	1	09/03/15	B5I0204	7471/245.5	
7440-02-0	<b>Nickel</b>	<b>20</b>	1.0	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7782-49-2	Selenium	ND	0.2	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-22-4	<b>Silver</b>	<b>0.6</b>	0.1	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-28-0	Thallium	ND	0.5	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-66-6	<b>Zinc</b>	<b>63</b>	10	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	



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Client ID: CHTC - DM02 - 0-6"

Lab ID: 1508214-10

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
630-20-6	1,1,1,2-Tetrachloroethane	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
71-55-6	1,1,1-Trichloroethane	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
79-00-5	1,1,2-Trichloroethane	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
75-34-3	1,1-Dichloroethane	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
75-35-4	1,1-Dichloroethylene	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	470	ug/kg dry	50	08/27/15	B5H2705	8260	
96-18-4	1,2,3-Trichloropropane	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
120-82-1	1,2,4-Trichlorobenzene	ND	470	ug/kg dry	50	08/27/15	B5H2705	8260	
95-63-6	1,2,4-Trimethylbenzene	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
96-12-8	1,2-Dibromo-3-chloropropane	ND	470	ug/kg dry	50	08/27/15	B5H2705	8260	
106-93-4	1,2-Dibromoethane	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
95-50-1	1,2-Dichlorobenzene	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
107-06-2	1,2-Dichloroethane	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
78-87-5	1,2-Dichloropropane	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
108-67-8	1,3,5-Trimethylbenzene	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
541-73-1	1,3-Dichlorobenzene	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
106-46-7	1,4-Dichlorobenzene	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
78-93-3	2-Butanone (MEK)	ND	470	ug/kg dry	50	08/27/15	B5H2705	8260	
591-78-6	2-Hexanone	ND	470	ug/kg dry	50	08/27/15	B5H2705	8260	
91-57-6	2-Methylnaphthalene	ND	470	ug/kg dry	50	08/27/15	B5H2705	8260	X
67-64-1	2-Propanone (acetone)	ND	1900	ug/kg dry	50	08/27/15	B5H2705	8260	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	470	ug/kg dry	50	08/27/15	B5H2705	8260	
107-13-1	Acrylonitrile	ND	470	ug/kg dry	50	08/27/15	B5H2705	8260	
71-43-2	Benzene	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
108-86-1	Bromobenzene	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
74-97-5	Bromochloromethane	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
75-27-4	Bromodichloromethane	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
75-25-2	Bromoform	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
74-83-9	Bromomethane	ND	470	ug/kg dry	50	08/27/15	B5H2705	8260	
75-15-0	Carbon disulfide	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
56-23-5	Carbon tetrachloride	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
108-90-7	Chlorobenzene	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
75-00-3	Chloroethane	ND	470	ug/kg dry	50	08/27/15	B5H2705	8260	
67-66-3	Chloroform	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
74-87-3	Chloromethane	ND	470	ug/kg dry	50	08/27/15	B5H2705	8260	
156-59-2	cis-1,2-Dichloroethylene	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
10061-01-5	cis-1,3-Dichloropropylene	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
110-82-7	Cyclohexane	ND	470	ug/kg dry	50	08/27/15	B5H2705	8260	
124-48-1	Dibromochloromethane	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	



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Client ID: CHTC - DM02 - 0-6"

Lab ID: 1508214-10

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
74-95-3	Dibromomethane	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
75-71-8	Dichlorodifluoromethane	ND	470	ug/kg dry	50	08/27/15	B5H2705	8260	
60-29-7	Diethyl ether	ND	470	ug/kg dry	50	08/27/15	B5H2705	8260	
108-20-3	Diisopropyl Ether	ND	470	ug/kg dry	50	08/27/15	B5H2705	8260	
100-41-4	Ethylbenzene	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
637-92-3	Ethyltertiarybutylether	ND	470	ug/kg dry	50	08/27/15	B5H2705	8260	
67-72-1	Hexachloroethane	ND	470	ug/kg dry	50	08/27/15	B5H2705	8260	
98-82-8	Isopropylbenzene	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
1330-20-7	m & p - Xylene	ND	190	ug/kg dry	50	08/27/15	B5H2705	8260	
74-88-4	Methyl iodide	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
75-09-2	Methylene chloride	ND	470	ug/kg dry	50	08/27/15	B5H2705	8260	
1634-04-4	Methyltertiarybutylether	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
91-20-3	Naphthalene	ND	470	ug/kg dry	50	08/27/15	B5H2705	8260	X
104-51-8	n-Butylbenzene	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
103-65-1	n-Propylbenzene	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
95-47-6	o-Xylene	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
99-87-6	p-Isopropyl toluene	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
135-98-8	sec-Butylbenzene	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
100-42-5	Styrene	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
98-06-6	tert-Butylbenzene	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
75-65-0	tertiary Butyl Alcohol	ND	4700	ug/kg dry	50	08/27/15	B5H2705	8260	
994-05-8	tertiaryAmylmethylether	ND	470	ug/kg dry	50	08/27/15	B5H2705	8260	
127-18-4	Tetrachloroethylene	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
109-99-9	Tetrahydrofuran	ND	470	ug/kg dry	50	08/27/15	B5H2705	8260	
108-88-3	Toluene	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
10061-02-6	trans-1,3-Dichloropropylene	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
110-57-6	trans-1,4-Dichloro-2-butene	ND	470	ug/kg dry	50	08/27/15	B5H2705	8260	
79-01-6	Trichloroethylene	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
75-69-4	Trichlorofluoromethane	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
75-01-4	Vinyl chloride	ND	94	ug/kg dry	50	08/27/15	B5H2705	8260	
<i>Surrogate: Bromofluorobenzene</i>			<i>134 %</i>	<i>40.3-194</i>		<i>08/27/15</i>	<i>B5H2705</i>	<i>8260</i>	
<i>Surrogate: Dibromofluoromethane</i>			<i>145 %</i>	<i>52.1-217</i>		<i>08/27/15</i>	<i>B5H2705</i>	<i>8260</i>	
<i>Surrogate: Toluene-d8</i>			<i>137 %</i>	<i>55.4-196</i>		<i>08/27/15</i>	<i>B5H2705</i>	<i>8260</i>	



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY  
 ENVIRONMENTAL LABORATORY

P.O. Box 30270  
 Lansing, MI 48909  
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 FAX: (517) 335-9600

Client ID: CHTC - DM02 - 0-6"

Lab ID: 1508214-10

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Semivolatiles</b>									
									<b>See note Y20</b>
91-57-6	2-Methylnaphthalene	ND	710	ug/kg dry	1	09/09/15	B5H2706	8270	
83-32-9	Acenaphthene	ND	280	ug/kg dry	1	09/09/15	B5H2706	8270	
208-96-8	Acenaphthylene	ND	280	ug/kg dry	1	09/09/15	B5H2706	8270	
120-12-7	Anthracene	ND	280	ug/kg dry	1	09/09/15	B5H2706	8270	
56-55-3	Benz[a]anthracene	ND	280	ug/kg dry	1	09/09/15	B5H2706	8270	
50-32-8	Benzo[a]pyrene	ND	570	ug/kg dry	1	09/09/15	B5H2706	8270	
205-99-2	Benzo[b]fluoranthene	ND	570	ug/kg dry	1	09/09/15	B5H2706	8270	
191-24-2	Benzo[g,h,i]perylene	ND	570	ug/kg dry	1	09/09/15	B5H2706	8270	
207-08-9	Benzo[k]fluoranthene	ND	570	ug/kg dry	1	09/09/15	B5H2706	8270	
218-01-9	Chrysene	ND	280	ug/kg dry	1	09/09/15	B5H2706	8270	
53-70-3	Dibenz[a,h]anthracene	ND	570	ug/kg dry	1	09/09/15	B5H2706	8270	
206-44-0	Fluoranthene	ND	280	ug/kg dry	1	09/09/15	B5H2706	8270	
86-73-7	Fluorene	ND	280	ug/kg dry	1	09/09/15	B5H2706	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	570	ug/kg dry	1	09/09/15	B5H2706	8270	
91-20-3	Naphthalene	ND	280	ug/kg dry	1	09/09/15	B5H2706	8270	
85-01-8	Phenanthrene	ND	280	ug/kg dry	1	09/09/15	B5H2706	8270	
129-00-0	Pyrene	ND	280	ug/kg dry	1	09/09/15	B5H2706	8270	
<i>Surrogate: 2-Fluorobiphenyl</i>			67.9 %	32.9-115		09/09/15	B5H2706	8270	
<i>Surrogate: Nitrobenzene-d5</i>			65.6 %	31.8-115		09/09/15	B5H2706	8270	
<i>Surrogate: p-Terphenyl-d14</i>			84.9 %	38.5-115		09/09/15	B5H2706	8270	
<b>Organics-PCBs as Aroclors</b>									
12674-11-2	Aroclor 1016	ND	710	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
11104-28-2	Aroclor 1221	ND	710	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
11141-16-5	Aroclor 1232	ND	710	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
53469-21-9	Aroclor 1242	ND	710	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
12672-29-6	Aroclor 1248	ND	710	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
11097-69-1	Aroclor 1254	ND	710	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
11096-82-5	Aroclor 1260	ND	710	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
37324-23-5	Aroclor 1262	ND	710	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
11100-14-4	Aroclor 1268	ND	710	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
<i>Surrogate: Decachlorobiphenyl</i>			188 %	30-150		09/15/15	B5I0411	8081/8082	
<i>Surrogate: Tetrachloro-m-xylene</i>			76.9 %	30-150		09/15/15	B5I0411	8081/8082	





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Client ID: CHTC - DM02 - 0-6"

Lab ID: 1508214-10

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Inorganics-General Chemistry</b>									
TS	% Total Solids	70.6	0.1	%	1	08/26/15	B5H2610	2540 B	
57-12-5	Total Cyanide	ND	0.14	mg/kg dry	1	08/28/15	B5H2406	ASTM D7284	
<b>Inorganics-Metals</b>									
7429-90-5	Aluminium	31000	1000	mg/kg dry	10000	09/04/15	B5H2802	6020/200.8	
7440-36-0	Antimony	4.6	0.3	mg/kg dry	10	09/04/15	B5H2703	6020/200.8	
7440-38-2	Arsenic	530	5.0	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-39-3	Barium	45	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-41-7	Beryllium	ND	2.0	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7440-43-9	Cadmium	1.5	0.2	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-47-3	Chromium	50	20	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-48-4	Cobalt	44	5.0	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-50-8	Copper	27000	1000	mg/kg dry	10000	09/04/15	B5H2802	6020/200.8	
7439-89-6	Iron	93000	50	mg/kg dry	100	09/11/15	B5H2802	6010/200.7	A09
7439-92-1	Lead	30	1.0	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7439-93-2	Lithium	8.7	0.2	mg/kg dry	1	09/11/15	B5H2802	6010/200.7	
7439-95-4	Magnesium	9000	50	mg/kg dry	10	09/11/15	B5H2802	6010/200.7	
7439-96-5	Manganese	480	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7439-97-6	Mercury	1.5	0.1	mg/kg dry	2	09/03/15	B5I0204	7471/245.5	
7440-02-0	Nickel	310	10	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7782-49-2	Selenium	ND	2.0	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7440-22-4	Silver	34	0.1	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-28-0	Thallium	ND	0.5	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-66-6	Zinc	280	10	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	



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Client ID: CHTC - DM04  
 Lab ID: 1508214-11

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
630-20-6	1,1,1,2-Tetrachloroethane	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
71-55-6	1,1,1-Trichloroethane	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
79-00-5	1,1,2-Trichloroethane	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
75-34-3	1,1-Dichloroethane	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
75-35-4	1,1-Dichloroethylene	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	
96-18-4	1,2,3-Trichloropropane	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
120-82-1	1,2,4-Trichlorobenzene	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	
95-63-6	1,2,4-Trimethylbenzene	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
96-12-8	1,2-Dibromo-3-chloropropane	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	
106-93-4	1,2-Dibromoethane	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
95-50-1	1,2-Dichlorobenzene	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
107-06-2	1,2-Dichloroethane	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
78-87-5	1,2-Dichloropropane	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
108-67-8	1,3,5-Trimethylbenzene	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
541-73-1	1,3-Dichlorobenzene	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
106-46-7	1,4-Dichlorobenzene	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
78-93-3	2-Butanone (MEK)	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	
591-78-6	2-Hexanone	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	
91-57-6	2-Methylnaphthalene	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	X
67-64-1	2-Propanone (acetone)	ND	1600	ug/kg dry	50	08/27/15	B5H2705	8260	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	
107-13-1	Acrylonitrile	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	
71-43-2	Benzene	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
108-86-1	Bromobenzene	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
74-97-5	Bromochloromethane	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
75-27-4	Bromodichloromethane	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
75-25-2	Bromoform	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
74-83-9	Bromomethane	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	
75-15-0	Carbon disulfide	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
56-23-5	Carbon tetrachloride	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
108-90-7	Chlorobenzene	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
75-00-3	Chloroethane	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	
67-66-3	Chloroform	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
74-87-3	Chloromethane	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	
156-59-2	cis-1,2-Dichloroethylene	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
10061-01-5	cis-1,3-Dichloropropylene	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
110-82-7	Cyclohexane	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	
124-48-1	Dibromochloromethane	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	



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Client ID: CHTC - DM04  
 Lab ID: 1508214-11

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
74-95-3	Dibromomethane	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
75-71-8	Dichlorodifluoromethane	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	
60-29-7	Diethyl ether	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	
108-20-3	Diisopropyl Ether	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	
100-41-4	Ethylbenzene	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
637-92-3	Ethyltertiarybutylether	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	
67-72-1	Hexachloroethane	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	
98-82-8	Isopropylbenzene	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
1330-20-7	m & p - Xylene	ND	160	ug/kg dry	50	08/27/15	B5H2705	8260	
74-88-4	Methyl iodide	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
75-09-2	Methylene chloride	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	
1634-04-4	Methyltertiarybutylether	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
91-20-3	Naphthalene	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	X
104-51-8	n-Butylbenzene	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
103-65-1	n-Propylbenzene	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
95-47-6	o-Xylene	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
99-87-6	p-Isopropyl toluene	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
135-98-8	sec-Butylbenzene	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
100-42-5	Styrene	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
98-06-6	tert-Butylbenzene	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
75-65-0	tertiary Butyl Alcohol	ND	4000	ug/kg dry	50	08/27/15	B5H2705	8260	
994-05-8	tertiaryAmylmethylether	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	
127-18-4	Tetrachloroethylene	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
109-99-9	Tetrahydrofuran	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	
108-88-3	Toluene	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
10061-02-6	trans-1,3-Dichloropropylene	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
110-57-6	trans-1,4-Dichloro-2-butene	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	
79-01-6	Trichloroethylene	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
75-69-4	Trichlorofluoromethane	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
75-01-4	Vinyl chloride	ND	80	ug/kg dry	50	08/27/15	B5H2705	8260	
Surrogate: Bromofluorobenzene			105 %	40.3-194		08/27/15	B5H2705	8260	
Surrogate: Dibromofluoromethane			123 %	52.1-217		08/27/15	B5H2705	8260	
Surrogate: Toluene-d8			111 %	55.4-196		08/27/15	B5H2705	8260	



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CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Semivolatiles</b>									<b>See note Y17, Y20, Y25</b>
91-57-6	2-Methylnaphthalene	ND	6600	ug/kg dry	1	09/09/15	B5H2706	8270	
83-32-9	Acenaphthene	ND	2600	ug/kg dry	1	09/09/15	B5H2706	8270	
208-96-8	Acenaphthylene	ND	2600	ug/kg dry	1	09/09/15	B5H2706	8270	
120-12-7	Anthracene	ND	2600	ug/kg dry	1	09/09/15	B5H2706	8270	
56-55-3	Benz[a]anthracene	ND	2600	ug/kg dry	1	09/09/15	B5H2706	8270	
50-32-8	Benzo[a]pyrene	ND	5200	ug/kg dry	1	09/09/15	B5H2706	8270	
205-99-2	Benzo[b]fluoranthene	ND	5200	ug/kg dry	1	09/09/15	B5H2706	8270	
191-24-2	Benzo[g,h,i]perylene	ND	5200	ug/kg dry	1	09/09/15	B5H2706	8270	
207-08-9	Benzo[k]fluoranthene	ND	5200	ug/kg dry	1	09/09/15	B5H2706	8270	
218-01-9	Chrysene	ND	2600	ug/kg dry	1	09/09/15	B5H2706	8270	
53-70-3	Dibenz[a,h]anthracene	ND	5200	ug/kg dry	1	09/09/15	B5H2706	8270	
206-44-0	Fluoranthene	ND	2600	ug/kg dry	1	09/09/15	B5H2706	8270	
86-73-7	Fluorene	ND	2600	ug/kg dry	1	09/09/15	B5H2706	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	5200	ug/kg dry	1	09/09/15	B5H2706	8270	
91-20-3	Naphthalene	ND	2600	ug/kg dry	1	09/09/15	B5H2706	8270	
85-01-8	Phenanthrene	ND	2600	ug/kg dry	1	09/09/15	B5H2706	8270	
129-00-0	Pyrene	ND	2600	ug/kg dry	1	09/09/15	B5H2706	8270	
<i>Surrogate: 2-Fluorobiphenyl</i>			42.6 %	32.9-115		09/09/15	B5H2706	8270	
<i>Surrogate: Nitrobenzene-d5</i>			36.8 %	31.8-115		09/09/15	B5H2706	8270	
<i>Surrogate: p-Terphenyl-d14</i>			50.8 %	38.5-115		09/09/15	B5H2706	8270	
<b>Organics-PCBs as Aroclors</b>									<b>See note Y25</b>
12674-11-2	Aroclor 1016	ND	1300	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
11104-28-2	Aroclor 1221	ND	1300	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
11141-16-5	Aroclor 1232	ND	1300	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
53469-21-9	Aroclor 1242	ND	1300	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
12672-29-6	Aroclor 1248	ND	1300	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
11097-69-1	Aroclor 1254	ND	1300	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
11096-82-5	Aroclor 1260	ND	1300	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
37324-23-5	Aroclor 1262	ND	1300	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
11100-14-4	Aroclor 1268	ND	1300	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
<i>Surrogate: Decachlorobiphenyl</i>			47.2 %	30-150		09/15/15	B5I0411	8081/8082	
<i>Surrogate: Tetrachloro-m-xylene</i>			69.7 %	30-150		09/15/15	B5I0411	8081/8082	



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY  
 ENVIRONMENTAL LABORATORY

P.O. Box 30270  
 Lansing, MI 48909  
 TEL: (517) 335-9800  
 FAX: (517) 335-9600

Client ID: CHTC - DM04

Lab ID: 1508214-11

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Inorganics-General Chemistry</b>									
TS	% Total Solids	76.2	0.1	%	1	08/26/15	B5H2610	2540 B	
57-12-5	Total Cyanide	0.26	0.13	mg/kg dry	1	08/28/15	B5H2406	ASTM D7284	
<b>Inorganics-Metals</b>									
7429-90-5	Aluminium	12000	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-36-0	Antimony	3.7	0.3	mg/kg dry	10	09/04/15	B5H2703	6020/200.8	
7440-38-2	Arsenic	350	5.0	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7440-39-3	Barium	150	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-41-7	Beryllium	ND	2.0	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7440-43-9	Cadmium	2.8	0.2	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-47-3	Chromium	250	20	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-48-4	Cobalt	15	5.0	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-50-8	Copper	59000	1000	mg/kg dry	10000	09/04/15	B5H2802	6020/200.8	
7439-89-6	Iron	57000	50	mg/kg dry	100	09/11/15	B5H2802	6010/200.7	A09
7439-92-1	Lead	260	10	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7439-93-2	Lithium	8.1	0.2	mg/kg dry	1	09/11/15	B5H2802	6010/200.7	
7439-95-4	Magnesium	9600	50	mg/kg dry	10	09/11/15	B5H2802	6010/200.7	
7439-96-5	Manganese	720	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7439-97-6	Mercury	0.4	0.07	mg/kg dry	1	09/03/15	B5I0204	7471/245.5	
7440-02-0	Nickel	58	10	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7782-49-2	Selenium	ND	2.0	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7440-22-4	Silver	39	0.1	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-28-0	Thallium	ND	0.5	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-66-6	Zinc	1500	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	



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 Lansing, MI 48909  
 TEL: (517) 335-9800  
 FAX: (517) 335-9600

Client ID: CHTC - SS09 - 0-6"

Lab ID: 1508214-12

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
630-20-6	1,1,1,2-Tetrachloroethane	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
71-55-6	1,1,1-Trichloroethane	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
79-00-5	1,1,2-Trichloroethane	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
75-34-3	1,1-Dichloroethane	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
75-35-4	1,1-Dichloroethylene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
96-18-4	1,2,3-Trichloropropane	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
120-82-1	1,2,4-Trichlorobenzene	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
95-63-6	1,2,4-Trimethylbenzene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
96-12-8	1,2-Dibromo-3-chloropropane	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
106-93-4	1,2-Dibromoethane	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
95-50-1	1,2-Dichlorobenzene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
107-06-2	1,2-Dichloroethane	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
78-87-5	1,2-Dichloropropane	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
108-67-8	1,3,5-Trimethylbenzene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
541-73-1	1,3-Dichlorobenzene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
106-46-7	1,4-Dichlorobenzene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
78-93-3	2-Butanone (MEK)	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
591-78-6	2-Hexanone	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
91-57-6	2-Methylnaphthalene	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	X
67-64-1	2-Propanone (acetone)	ND	1600	ug/kg dry	50	08/27/15	B5H2705	8260	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
107-13-1	Acrylonitrile	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
71-43-2	Benzene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
108-86-1	Bromobenzene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
74-97-5	Bromochloromethane	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
75-27-4	Bromodichloromethane	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
75-25-2	Bromoform	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
74-83-9	Bromomethane	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
75-15-0	Carbon disulfide	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
56-23-5	Carbon tetrachloride	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
108-90-7	Chlorobenzene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
75-00-3	Chloroethane	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
67-66-3	Chloroform	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
74-87-3	Chloromethane	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
156-59-2	cis-1,2-Dichloroethylene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
10061-01-5	cis-1,3-Dichloropropylene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
110-82-7	Cyclohexane	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
124-48-1	Dibromochloromethane	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	



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Client ID: CHTC - SS09 - 0-6"

Lab ID: 1508214-12

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
74-95-3	Dibromomethane	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
75-71-8	Dichlorodifluoromethane	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
60-29-7	Diethyl ether	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
108-20-3	Diisopropyl Ether	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
100-41-4	Ethylbenzene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
637-92-3	Ethyltertiarybutylether	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
67-72-1	Hexachloroethane	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
98-82-8	Isopropylbenzene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
1330-20-7	m & p - Xylene	ND	160	ug/kg dry	50	08/27/15	B5H2705	8260	
74-88-4	Methyl iodide	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
75-09-2	Methylene chloride	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
1634-04-4	Methyltertiarybutylether	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
91-20-3	Naphthalene	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	X
104-51-8	n-Butylbenzene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
103-65-1	n-Propylbenzene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
95-47-6	o-Xylene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
99-87-6	p-Isopropyl toluene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
135-98-8	sec-Butylbenzene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
100-42-5	Styrene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
98-06-6	tert-Butylbenzene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
75-65-0	tertiary Butyl Alcohol	ND	4100	ug/kg dry	50	08/27/15	B5H2705	8260	
994-05-8	tertiaryAmylmethylether	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
127-18-4	Tetrachloroethylene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
109-99-9	Tetrahydrofuran	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
108-88-3	Toluene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
10061-02-6	trans-1,3-Dichloropropylene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
110-57-6	trans-1,4-Dichloro-2-butene	ND	410	ug/kg dry	50	08/27/15	B5H2705	8260	
79-01-6	Trichloroethylene	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
75-69-4	Trichlorofluoromethane	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
75-01-4	Vinyl chloride	ND	81	ug/kg dry	50	08/27/15	B5H2705	8260	
Surrogate: Bromofluorobenzene			120 %	40.3-194		08/27/15	B5H2705	8260	
Surrogate: Dibromofluoromethane			135 %	52.1-217		08/27/15	B5H2705	8260	
Surrogate: Toluene-d8			122 %	55.4-196		08/27/15	B5H2705	8260	



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 Lansing, MI 48909  
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 FAX: (517) 335-9600

Client ID: CHTC - SS09 - 0-6"

Lab ID: 1508214-12

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Semivolatiles</b>									<b>See note Y17, Y20, Y25</b>
91-57-6	2-Methylnaphthalene	ND	6500	ug/kg dry	1	09/09/15	B5H2706	8270	
83-32-9	Acenaphthene	ND	2600	ug/kg dry	1	09/09/15	B5H2706	8270	
208-96-8	Acenaphthylene	ND	2600	ug/kg dry	1	09/09/15	B5H2706	8270	
120-12-7	Anthracene	ND	2600	ug/kg dry	1	09/09/15	B5H2706	8270	
56-55-3	Benz[a]anthracene	ND	2600	ug/kg dry	1	09/09/15	B5H2706	8270	
50-32-8	Benzo[a]pyrene	ND	5200	ug/kg dry	1	09/09/15	B5H2706	8270	
205-99-2	Benzo[b]fluoranthene	ND	5200	ug/kg dry	1	09/09/15	B5H2706	8270	
191-24-2	Benzo[g,h,i]perylene	ND	5200	ug/kg dry	1	09/09/15	B5H2706	8270	
207-08-9	Benzo[k]fluoranthene	ND	5200	ug/kg dry	1	09/09/15	B5H2706	8270	
218-01-9	Chrysene	ND	2600	ug/kg dry	1	09/09/15	B5H2706	8270	
53-70-3	Dibenz[a,h]anthracene	ND	5200	ug/kg dry	1	09/09/15	B5H2706	8270	
206-44-0	Fluoranthene	ND	2600	ug/kg dry	1	09/09/15	B5H2706	8270	
86-73-7	Fluorene	ND	2600	ug/kg dry	1	09/09/15	B5H2706	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	5200	ug/kg dry	1	09/09/15	B5H2706	8270	
91-20-3	Naphthalene	ND	2600	ug/kg dry	1	09/09/15	B5H2706	8270	
85-01-8	Phenanthrene	ND	2600	ug/kg dry	1	09/09/15	B5H2706	8270	
129-00-0	Pyrene	ND	2600	ug/kg dry	1	09/09/15	B5H2706	8270	
<i>Surrogate: 2-Fluorobiphenyl</i>			64.0 %	32.9-115		09/09/15	B5H2706	8270	
<i>Surrogate: Nitrobenzene-d5</i>			56.9 %	31.8-115		09/09/15	B5H2706	8270	
<i>Surrogate: p-Terphenyl-d14</i>			76.9 %	38.5-115		09/09/15	B5H2706	8270	
<b>Organics-PCBs as Aroclors</b>									
12674-11-2	Aroclor 1016	ND	650	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
11104-28-2	Aroclor 1221	ND	650	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
11141-16-5	Aroclor 1232	ND	650	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
53469-21-9	Aroclor 1242	ND	650	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
12672-29-6	Aroclor 1248	ND	650	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
11097-69-1	Aroclor 1254	ND	650	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
11096-82-5	Aroclor 1260	ND	650	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
37324-23-5	Aroclor 1262	ND	650	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
11100-14-4	Aroclor 1268	ND	650	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
<i>Surrogate: Decachlorobiphenyl</i>			54.1 %	30-150		09/15/15	B5I0411	8081/8082	
<i>Surrogate: Tetrachloro-m-xylene</i>			74.2 %	30-150		09/15/15	B5I0411	8081/8082	





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 Lansing, MI 48909  
 TEL: (517) 335-9800  
 FAX: (517) 335-9600

Client ID: CHTC - SS09 - 0-6"

Lab ID: 1508214-12

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Inorganics-General Chemistry</b>									
TS	% Total Solids	77.0	0.1	%	1	08/26/15	B5H2610	2540 B	
57-12-5	Total Cyanide	0.22	0.13	mg/kg dry	1	08/28/15	B5H2406	ASTM D7284	
<b>Inorganics-Metals</b>									
7429-90-5	Aluminium	17000	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-36-0	Antimony	8.1	0.3	mg/kg dry	10	09/04/15	B5H2703	6020/200.8	
7440-38-2	Arsenic	490	5.0	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7440-39-3	Barium	280	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-41-7	Beryllium	ND	2.0	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7440-43-9	Cadmium	3.0	0.2	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-47-3	Chromium	140	20	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-48-4	Cobalt	17	5.0	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-50-8	Copper	74000	1000	mg/kg dry	10000	09/04/15	B5H2802	6020/200.8	
7439-89-6	Iron	81000	50	mg/kg dry	100	09/11/15	B5H2802	6010/200.7	A09
7439-92-1	Lead	480	10	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7439-93-2	Lithium	11	0.2	mg/kg dry	1	09/11/15	B5H2802	6010/200.7	
7439-95-4	Magnesium	12000	50	mg/kg dry	10	09/11/15	B5H2802	6010/200.7	
7439-96-5	Manganese	1200	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7439-97-6	Mercury	1.3	0.06	mg/kg dry	1	09/03/15	B5I0204	7471/245.5	
7440-02-0	Nickel	63	10	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7782-49-2	Selenium	ND	2.0	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7440-22-4	Silver	40	0.1	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-28-0	Thallium	ND	0.5	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-66-6	Zinc	850	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	



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 ENVIRONMENTAL LABORATORY

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 Lansing, MI 48909  
 TEL: (517) 335-9800  
 FAX: (517) 335-9600

Client ID: CHTC - DM03

Lab ID: 1508214-13

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
									<b>See note Y11</b>
630-20-6	1,1,1,2-Tetrachloroethane	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
71-55-6	1,1,1-Trichloroethane	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
79-00-5	1,1,2-Trichloroethane	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
75-34-3	1,1-Dichloroethane	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
75-35-4	1,1-Dichloroethylene	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	330	ug/kg dry	50	08/28/15	B5H2803	8260	
96-18-4	1,2,3-Trichloropropane	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
120-82-1	1,2,4-Trichlorobenzene	ND	330	ug/kg dry	50	08/28/15	B5H2803	8260	
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>180</b>	67	ug/kg dry	50	08/28/15	B5H2803	8260	
96-12-8	1,2-Dibromo-3-chloropropane	ND	330	ug/kg dry	50	08/28/15	B5H2803	8260	
106-93-4	1,2-Dibromoethane	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
95-50-1	1,2-Dichlorobenzene	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
107-06-2	1,2-Dichloroethane	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
78-87-5	1,2-Dichloropropane	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
108-67-8	<b>1,3,5-Trimethylbenzene</b>	<b>85</b>	67	ug/kg dry	50	08/28/15	B5H2803	8260	
541-73-1	1,3-Dichlorobenzene	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
106-46-7	1,4-Dichlorobenzene	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
78-93-3	2-Butanone (MEK)	ND	330	ug/kg dry	50	08/28/15	B5H2803	8260	
591-78-6	2-Hexanone	ND	330	ug/kg dry	50	08/28/15	B5H2803	8260	
91-57-6	2-Methylnaphthalene	ND	330	ug/kg dry	50	08/28/15	B5H2803	8260	X
67-64-1	2-Propanone (acetone)	ND	1300	ug/kg dry	50	08/28/15	B5H2803	8260	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	330	ug/kg dry	50	08/28/15	B5H2803	8260	
107-13-1	Acrylonitrile	ND	330	ug/kg dry	50	08/28/15	B5H2803	8260	
71-43-2	Benzene	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
108-86-1	Bromobenzene	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
74-97-5	Bromochloromethane	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
75-27-4	Bromodichloromethane	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
75-25-2	Bromoform	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
74-83-9	Bromomethane	ND	330	ug/kg dry	50	08/28/15	B5H2803	8260	
75-15-0	Carbon disulfide	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
56-23-5	Carbon tetrachloride	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
108-90-7	Chlorobenzene	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
75-00-3	Chloroethane	ND	330	ug/kg dry	50	08/28/15	B5H2803	8260	
67-66-3	Chloroform	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
74-87-3	Chloromethane	ND	330	ug/kg dry	50	08/28/15	B5H2803	8260	
156-59-2	cis-1,2-Dichloroethylene	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
10061-01-5	cis-1,3-Dichloropropylene	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
110-82-7	Cyclohexane	ND	330	ug/kg dry	50	08/28/15	B5H2803	8260	
124-48-1	Dibromochloromethane	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	



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Client ID: CHTC - DM03

Lab ID: 1508214-13

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
									<b>See note Y11</b>
74-95-3	Dibromomethane	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
75-71-8	Dichlorodifluoromethane	ND	330	ug/kg dry	50	08/28/15	B5H2803	8260	
60-29-7	Diethyl ether	ND	330	ug/kg dry	50	08/28/15	B5H2803	8260	
108-20-3	Diisopropyl Ether	ND	330	ug/kg dry	50	08/28/15	B5H2803	8260	
100-41-4	Ethylbenzene	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
637-92-3	Ethyltertiarybutylether	ND	330	ug/kg dry	50	08/28/15	B5H2803	8260	
67-72-1	Hexachloroethane	ND	330	ug/kg dry	50	08/28/15	B5H2803	8260	
98-82-8	Isopropylbenzene	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
1330-20-7	m & p - Xylene	ND	130	ug/kg dry	50	08/28/15	B5H2803	8260	
74-88-4	Methyl iodide	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
75-09-2	Methylene chloride	ND	330	ug/kg dry	50	08/28/15	B5H2803	8260	
1634-04-4	Methyltertiarybutylether	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
91-20-3	Naphthalene	ND	330	ug/kg dry	50	08/28/15	B5H2803	8260	X
104-51-8	n-Butylbenzene	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
103-65-1	n-Propylbenzene	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
95-47-6	<b>o-Xylene</b>	<b>66</b>	67	ug/kg dry	50	08/28/15	B5H2803	8260	T
99-87-6	p-Isopropyl toluene	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
135-98-8	sec-Butylbenzene	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
100-42-5	Styrene	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
98-06-6	tert-Butylbenzene	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
75-65-0	tertiary Butyl Alcohol	ND	3300	ug/kg dry	50	08/28/15	B5H2803	8260	
994-05-8	tertiaryAmylmethylether	ND	330	ug/kg dry	50	08/28/15	B5H2803	8260	
127-18-4	Tetrachloroethylene	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
109-99-9	Tetrahydrofuran	ND	330	ug/kg dry	50	08/28/15	B5H2803	8260	
108-88-3	Toluene	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
10061-02-6	trans-1,3-Dichloropropylene	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
110-57-6	trans-1,4-Dichloro-2-butene	ND	330	ug/kg dry	50	08/28/15	B5H2803	8260	
79-01-6	Trichloroethylene	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
75-69-4	Trichlorofluoromethane	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
75-01-4	Vinyl chloride	ND	67	ug/kg dry	50	08/28/15	B5H2803	8260	
Surrogate: Bromofluorobenzene			98.9 %	40.3-194		08/28/15	B5H2803	8260	
Surrogate: Dibromofluoromethane			112 %	52.1-217		08/28/15	B5H2803	8260	
Surrogate: Toluene-d8			102 %	55.4-196		08/28/15	B5H2803	8260	



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 FAX: (517) 335-9600

Client ID: CHTC - DM03  
 Lab ID: 1508214-13

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Semivolatiles</b>									<b>See note Y17, Y20, Y25</b>
91-57-6	2-Methylnaphthalene	ND	2900	ug/kg dry	1	09/09/15	B5H2706	8270	
83-32-9	Acenaphthene	ND	1200	ug/kg dry	1	09/09/15	B5H2706	8270	
208-96-8	Acenaphthylene	ND	1200	ug/kg dry	1	09/09/15	B5H2706	8270	
120-12-7	Anthracene	ND	1200	ug/kg dry	1	09/09/15	B5H2706	8270	
56-55-3	Benz[a]anthracene	ND	1200	ug/kg dry	1	09/09/15	B5H2706	8270	
50-32-8	Benzo[a]pyrene	ND	2300	ug/kg dry	1	09/09/15	B5H2706	8270	
205-99-2	Benzo[b]fluoranthene	ND	2300	ug/kg dry	1	09/09/15	B5H2706	8270	
191-24-2	Benzo[g,h,i]perylene	ND	2300	ug/kg dry	1	09/09/15	B5H2706	8270	
207-08-9	Benzo[k]fluoranthene	ND	2300	ug/kg dry	1	09/09/15	B5H2706	8270	
218-01-9	Chrysene	ND	1200	ug/kg dry	1	09/09/15	B5H2706	8270	
53-70-3	Dibenz[a,h]anthracene	ND	2300	ug/kg dry	1	09/09/15	B5H2706	8270	
206-44-0	Fluoranthene	ND	1200	ug/kg dry	1	09/09/15	B5H2706	8270	
86-73-7	Fluorene	ND	1200	ug/kg dry	1	09/09/15	B5H2706	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	2300	ug/kg dry	1	09/09/15	B5H2706	8270	
91-20-3	Naphthalene	ND	1200	ug/kg dry	1	09/09/15	B5H2706	8270	
85-01-8	Phenanthrene	ND	1200	ug/kg dry	1	09/09/15	B5H2706	8270	
129-00-0	<b>Pyrene</b>	<b>1300</b>	1200	ug/kg dry	1	09/09/15	B5H2706	8270	
<i>Surrogate: 2-Fluorobiphenyl</i>			61.2 %	32.9-115		09/09/15	B5H2706	8270	
<i>Surrogate: Nitrobenzene-d5</i>			49.7 %	31.8-115		09/09/15	B5H2706	8270	
<i>Surrogate: p-Terphenyl-d14</i>			80.8 %	38.5-115		09/09/15	B5H2706	8270	
<b>Organics-PCBs as Aroclors</b>									
12674-11-2	Aroclor 1016	ND	580	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
11104-28-2	Aroclor 1221	ND	580	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
11141-16-5	Aroclor 1232	ND	580	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
53469-21-9	Aroclor 1242	ND	580	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
12672-29-6	Aroclor 1248	ND	580	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
11097-69-1	Aroclor 1254	ND	580	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
11096-82-5	Aroclor 1260	ND	580	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
37324-23-5	Aroclor 1262	ND	580	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
11100-14-4	Aroclor 1268	ND	580	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
<i>Surrogate: Decachlorobiphenyl</i>			44.6 %	30-150		09/15/15	B5I0411	8081/8082	
<i>Surrogate: Tetrachloro-m-xylene</i>			40.8 %	30-150		09/15/15	B5I0411	8081/8082	



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Client ID: CHTC - DM03

Lab ID: 1508214-13

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Inorganics-General Chemistry</b>									
TS	% Total Solids	86.6	0.1	%	1	08/26/15	B5H2610	2540 B	
57-12-5	Total Cyanide	ND	0.12	mg/kg dry	1	08/28/15	B5H2406	ASTM D7284	
<b>Inorganics-Metals</b>									
7429-90-5	Aluminium	20000	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-36-0	Antimony	1.3	0.3	mg/kg dry	10	09/04/15	B5H2703	6020/200.8	
7440-38-2	Arsenic	420	5.0	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7440-39-3	Barium	80	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-41-7	Beryllium	ND	2.0	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7440-43-9	Cadmium	2.8	0.2	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-47-3	Chromium	99	20	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-48-4	Cobalt	15	5.0	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-50-8	Copper	74000	1000	mg/kg dry	10000	09/04/15	B5H2802	6020/200.8	
7439-89-6	Iron	36000	5.0	mg/kg dry	10	09/11/15	B5H2802	6010/200.7	A09
7439-92-1	Lead	74	10	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7439-93-2	Lithium	8.3	0.2	mg/kg dry	1	09/11/15	B5H2802	6010/200.7	
7439-95-4	Magnesium	11000	50	mg/kg dry	10	09/11/15	B5H2802	6010/200.7	
7439-96-5	Manganese	390	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7439-97-6	Mercury	0.5	0.06	mg/kg dry	1	09/03/15	B5I0204	7471/245.5	
7440-02-0	Nickel	80	10	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7782-49-2	Selenium	ND	2.0	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7440-22-4	Silver	36	0.1	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-28-0	Thallium	ND	0.5	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-66-6	Zinc	190	10	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	



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P.O. Box 30270  
 Lansing, MI 48909  
 TEL: (517) 335-9800  
 FAX: (517) 335-9600

Client ID: CHTC - SS-10 - 0-6"

Lab ID: 1508214-14

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
									<b>See note Y11</b>
630-20-6	1,1,1,2-Tetrachloroethane	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
71-55-6	1,1,1-Trichloroethane	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
79-00-5	1,1,2-Trichloroethane	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
75-34-3	1,1-Dichloroethane	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
75-35-4	1,1-Dichloroethylene	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	
96-18-4	1,2,3-Trichloropropane	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
120-82-1	1,2,4-Trichlorobenzene	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	
95-63-6	1,2,4-Trimethylbenzene	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
96-12-8	1,2-Dibromo-3-chloropropane	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	
106-93-4	1,2-Dibromoethane	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
95-50-1	1,2-Dichlorobenzene	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
107-06-2	1,2-Dichloroethane	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
78-87-5	1,2-Dichloropropane	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
108-67-8	1,3,5-Trimethylbenzene	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
541-73-1	1,3-Dichlorobenzene	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
106-46-7	1,4-Dichlorobenzene	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
78-93-3	2-Butanone (MEK)	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	
591-78-6	2-Hexanone	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	
91-57-6	2-Methylnaphthalene	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	X
67-64-1	2-Propanone (acetone)	ND	1500	ug/kg dry	50	08/28/15	B5H2803	8260	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	
107-13-1	Acrylonitrile	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	
71-43-2	Benzene	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
108-86-1	Bromobenzene	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
74-97-5	Bromochloromethane	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
75-27-4	Bromodichloromethane	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
75-25-2	Bromoform	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
74-83-9	Bromomethane	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	
75-15-0	Carbon disulfide	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
56-23-5	Carbon tetrachloride	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
108-90-7	Chlorobenzene	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
75-00-3	Chloroethane	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	
67-66-3	Chloroform	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
74-87-3	Chloromethane	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	
156-59-2	cis-1,2-Dichloroethylene	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
10061-01-5	cis-1,3-Dichloropropylene	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
110-82-7	Cyclohexane	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	
124-48-1	Dibromochloromethane	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	



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 FAX: (517) 335-9600

Client ID: CHTC - SS-10 - 0-6"

Lab ID: 1508214-14

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
									<b>See note Y11</b>
74-95-3	Dibromomethane	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
75-71-8	Dichlorodifluoromethane	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	
60-29-7	Diethyl ether	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	
108-20-3	Diisopropyl Ether	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	
100-41-4	Ethylbenzene	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
637-92-3	Ethyltertiarybutylether	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	
67-72-1	Hexachloroethane	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	
98-82-8	Isopropylbenzene	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
1330-20-7	m & p - Xylene	ND	150	ug/kg dry	50	08/28/15	B5H2803	8260	
74-88-4	Methyl iodide	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
75-09-2	Methylene chloride	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	
1634-04-4	Methyltertiarybutylether	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
91-20-3	Naphthalene	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	X
104-51-8	n-Butylbenzene	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
103-65-1	n-Propylbenzene	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
95-47-6	o-Xylene	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
99-87-6	p-Isopropyl toluene	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
135-98-8	sec-Butylbenzene	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
100-42-5	Styrene	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
98-06-6	tert-Butylbenzene	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
75-65-0	tertiary Butyl Alcohol	ND	3800	ug/kg dry	50	08/28/15	B5H2803	8260	
994-05-8	tertiaryAmylmethylether	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	
127-18-4	Tetrachloroethylene	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
109-99-9	Tetrahydrofuran	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	
108-88-3	Toluene	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
10061-02-6	trans-1,3-Dichloropropylene	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
110-57-6	trans-1,4-Dichloro-2-butene	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	
79-01-6	Trichloroethylene	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
75-69-4	Trichlorofluoromethane	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
75-01-4	Vinyl chloride	ND	77	ug/kg dry	50	08/28/15	B5H2803	8260	
Surrogate: Bromofluorobenzene			126 %	40.3-194		08/28/15	B5H2803	8260	
Surrogate: Dibromofluoromethane			138 %	52.1-217		08/28/15	B5H2803	8260	
Surrogate: Toluene-d8			129 %	55.4-196		08/28/15	B5H2803	8260	



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Client ID: CHTC - SS-10 - 0-6"

Lab ID: 1508214-14

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Semivolatiles</b>									<b>See note Y17, Y20, Y25</b>
91-57-6	2-Methylnaphthalene	ND	3200	ug/kg dry	1	09/09/15	B5H2706	8270	
83-32-9	Acenaphthene	ND	1300	ug/kg dry	1	09/09/15	B5H2706	8270	
208-96-8	Acenaphthylene	ND	1300	ug/kg dry	1	09/09/15	B5H2706	8270	
120-12-7	Anthracene	ND	1300	ug/kg dry	1	09/09/15	B5H2706	8270	
56-55-3	Benz[a]anthracene	ND	1300	ug/kg dry	1	09/09/15	B5H2706	8270	
50-32-8	Benzo[a]pyrene	ND	2500	ug/kg dry	1	09/09/15	B5H2706	8270	
205-99-2	Benzo[b]fluoranthene	ND	2500	ug/kg dry	1	09/09/15	B5H2706	8270	
191-24-2	Benzo[g,h,i]perylene	ND	2500	ug/kg dry	1	09/09/15	B5H2706	8270	
207-08-9	Benzo[k]fluoranthene	ND	2500	ug/kg dry	1	09/09/15	B5H2706	8270	
218-01-9	Chrysene	ND	1300	ug/kg dry	1	09/09/15	B5H2706	8270	
53-70-3	Dibenz[a,h]anthracene	ND	2500	ug/kg dry	1	09/09/15	B5H2706	8270	
206-44-0	Fluoranthene	ND	1300	ug/kg dry	1	09/09/15	B5H2706	8270	
86-73-7	Fluorene	ND	1300	ug/kg dry	1	09/09/15	B5H2706	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	2500	ug/kg dry	1	09/09/15	B5H2706	8270	
91-20-3	Naphthalene	ND	1300	ug/kg dry	1	09/09/15	B5H2706	8270	
85-01-8	Phenanthrene	ND	1300	ug/kg dry	1	09/09/15	B5H2706	8270	
129-00-0	Pyrene	ND	1300	ug/kg dry	1	09/09/15	B5H2706	8270	
<i>Surrogate: 2-Fluorobiphenyl</i>			59.4 %	32.9-115		09/09/15	B5H2706	8270	
<i>Surrogate: Nitrobenzene-d5</i>			56.7 %	31.8-115		09/09/15	B5H2706	8270	
<i>Surrogate: p-Terphenyl-d14</i>			70.7 %	38.5-115		09/09/15	B5H2706	8270	
<b>Organics-PCBs as Aroclors</b>									<b>See note A01</b>
12674-11-2	Aroclor 1016	ND	630	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
11104-28-2	Aroclor 1221	ND	630	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
11141-16-5	Aroclor 1232	ND	630	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
53469-21-9	Aroclor 1242	ND	630	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
12672-29-6	Aroclor 1248	ND	660	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
11097-69-1	Aroclor 1254	ND	640	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
11096-82-5	Aroclor 1260	ND	630	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
37324-23-5	Aroclor 1262	ND	630	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
11100-14-4	Aroclor 1268	ND	630	ug/kg dry	5	09/15/15	B5I0411	8081/8082	Y21
<i>Surrogate: Decachlorobiphenyl</i>			52.0 %	30-150		09/15/15	B5I0411	8081/8082	
<i>Surrogate: Tetrachloro-m-xylene</i>			0.278 %	30-150		09/15/15	B5I0411	8081/8082	





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CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Inorganics-General Chemistry</b>									
TS	% Total Solids	79.2	0.1	%	1	08/26/15	B5H2610	2540 B	
57-12-5	Total Cyanide	ND	0.13	mg/kg dry	1	08/28/15	B5H2406	ASTM D7284	
<b>Inorganics-Metals</b>									
7429-90-5	Aluminium	15000	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-36-0	Antimony	1.1	0.3	mg/kg dry	10	09/04/15	B5H2703	6020/200.8	
7440-38-2	Arsenic	370	5.0	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7440-39-3	Barium	93	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-41-7	Beryllium	ND	2.0	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7440-43-9	Cadmium	0.7	0.2	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-47-3	Chromium	46	20	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-48-4	Cobalt	15	5.0	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-50-8	Copper	68000	1000	mg/kg dry	10000	09/04/15	B5H2802	6020/200.8	
7439-89-6	Iron	74000	50	mg/kg dry	100	09/11/15	B5H2802	6010/200.7	A09
7439-92-1	Lead	540	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7439-93-2	Lithium	8.0	0.2	mg/kg dry	1	09/11/15	B5H2802	6010/200.7	
7439-95-4	Magnesium	8000	50	mg/kg dry	10	09/11/15	B5H2802	6010/200.7	
7439-96-5	Manganese	470	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7439-97-6	Mercury	0.3	0.06	mg/kg dry	1	09/03/15	B5I0204	7471/245.5	
7440-02-0	Nickel	150	10	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7782-49-2	Selenium	ND	2.0	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7440-22-4	Silver	32	0.1	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-28-0	Thallium	ND	0.5	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-66-6	Zinc	310	10	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	



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Client ID: CHTC - SS-12 - 0-6"

Lab ID: 1508214-15

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
630-20-6	1,1,1,2-Tetrachloroethane	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
71-55-6	1,1,1-Trichloroethane	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
79-00-5	1,1,2-Trichloroethane	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
75-34-3	1,1-Dichloroethane	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
75-35-4	1,1-Dichloroethylene	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	350	ug/kg dry	50	08/27/15	B5H2705	8260	
96-18-4	1,2,3-Trichloropropane	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
120-82-1	1,2,4-Trichlorobenzene	ND	350	ug/kg dry	50	08/27/15	B5H2705	8260	
95-63-6	1,2,4-Trimethylbenzene	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
96-12-8	1,2-Dibromo-3-chloropropane	ND	350	ug/kg dry	50	08/27/15	B5H2705	8260	
106-93-4	1,2-Dibromoethane	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
95-50-1	1,2-Dichlorobenzene	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
107-06-2	1,2-Dichloroethane	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
78-87-5	1,2-Dichloropropane	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
108-67-8	1,3,5-Trimethylbenzene	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
541-73-1	1,3-Dichlorobenzene	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
106-46-7	1,4-Dichlorobenzene	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
78-93-3	2-Butanone (MEK)	ND	350	ug/kg dry	50	08/27/15	B5H2705	8260	
591-78-6	2-Hexanone	ND	350	ug/kg dry	50	08/27/15	B5H2705	8260	
91-57-6	2-Methylnaphthalene	ND	350	ug/kg dry	50	08/27/15	B5H2705	8260	X
67-64-1	2-Propanone (acetone)	ND	1400	ug/kg dry	50	08/27/15	B5H2705	8260	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	350	ug/kg dry	50	08/27/15	B5H2705	8260	
107-13-1	Acrylonitrile	ND	350	ug/kg dry	50	08/27/15	B5H2705	8260	
71-43-2	Benzene	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
108-86-1	Bromobenzene	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
74-97-5	Bromochloromethane	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
75-27-4	Bromodichloromethane	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
75-25-2	Bromoform	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
74-83-9	Bromomethane	ND	350	ug/kg dry	50	08/27/15	B5H2705	8260	
75-15-0	Carbon disulfide	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
56-23-5	Carbon tetrachloride	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
108-90-7	Chlorobenzene	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
75-00-3	Chloroethane	ND	350	ug/kg dry	50	08/27/15	B5H2705	8260	
67-66-3	Chloroform	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
74-87-3	Chloromethane	ND	350	ug/kg dry	50	08/27/15	B5H2705	8260	
156-59-2	cis-1,2-Dichloroethylene	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
10061-01-5	cis-1,3-Dichloropropylene	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
110-82-7	Cyclohexane	ND	350	ug/kg dry	50	08/27/15	B5H2705	8260	
124-48-1	Dibromochloromethane	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	



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CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
74-95-3	Dibromomethane	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
75-71-8	Dichlorodifluoromethane	ND	350	ug/kg dry	50	08/27/15	B5H2705	8260	
60-29-7	Diethyl ether	ND	350	ug/kg dry	50	08/27/15	B5H2705	8260	
108-20-3	Diisopropyl Ether	ND	350	ug/kg dry	50	08/27/15	B5H2705	8260	
100-41-4	Ethylbenzene	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
637-92-3	Ethyltertiarybutylether	ND	350	ug/kg dry	50	08/27/15	B5H2705	8260	
67-72-1	Hexachloroethane	ND	350	ug/kg dry	50	08/27/15	B5H2705	8260	
98-82-8	Isopropylbenzene	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
1330-20-7	m & p - Xylene	ND	140	ug/kg dry	50	08/27/15	B5H2705	8260	
74-88-4	Methyl iodide	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
75-09-2	Methylene chloride	ND	350	ug/kg dry	50	08/27/15	B5H2705	8260	
1634-04-4	Methyltertiarybutylether	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
91-20-3	Naphthalene	ND	350	ug/kg dry	50	08/27/15	B5H2705	8260	X
104-51-8	n-Butylbenzene	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
103-65-1	n-Propylbenzene	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
95-47-6	o-Xylene	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
99-87-6	p-Isopropyl toluene	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
135-98-8	sec-Butylbenzene	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
100-42-5	Styrene	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
98-06-6	tert-Butylbenzene	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
75-65-0	tertiary Butyl Alcohol	ND	3500	ug/kg dry	50	08/27/15	B5H2705	8260	
994-05-8	tertiaryAmylmethylether	ND	350	ug/kg dry	50	08/27/15	B5H2705	8260	
127-18-4	Tetrachloroethylene	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
109-99-9	Tetrahydrofuran	ND	350	ug/kg dry	50	08/27/15	B5H2705	8260	
108-88-3	Toluene	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
10061-02-6	trans-1,3-Dichloropropylene	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
110-57-6	trans-1,4-Dichloro-2-butene	ND	350	ug/kg dry	50	08/27/15	B5H2705	8260	
79-01-6	Trichloroethylene	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
75-69-4	Trichlorofluoromethane	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
75-01-4	Vinyl chloride	ND	71	ug/kg dry	50	08/27/15	B5H2705	8260	
Surrogate: Bromofluorobenzene			97.8 %	40.3-194		08/27/15	B5H2705	8260	
Surrogate: Dibromofluoromethane			108 %	52.1-217		08/27/15	B5H2705	8260	
Surrogate: Toluene-d8			102 %	55.4-196		08/27/15	B5H2705	8260	



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Client ID: CHTC - SS-12 - 0-6"

Lab ID: 1508214-15

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Semivolatiles</b>									
									<b>See note Y20</b>
91-57-6	2-Methylnaphthalene	ND	610	ug/kg dry	1	09/09/15	B5H2706	8270	
83-32-9	Acenaphthene	ND	240	ug/kg dry	1	09/09/15	B5H2706	8270	
208-96-8	Acenaphthylene	ND	240	ug/kg dry	1	09/09/15	B5H2706	8270	
120-12-7	Anthracene	ND	240	ug/kg dry	1	09/09/15	B5H2706	8270	
56-55-3	Benz[a]anthracene	ND	240	ug/kg dry	1	09/09/15	B5H2706	8270	
50-32-8	Benzo[a]pyrene	ND	490	ug/kg dry	1	09/09/15	B5H2706	8270	
205-99-2	Benzo[b]fluoranthene	ND	490	ug/kg dry	1	09/09/15	B5H2706	8270	
191-24-2	Benzo[g,h,i]perylene	ND	490	ug/kg dry	1	09/09/15	B5H2706	8270	
207-08-9	Benzo[k]fluoranthene	ND	490	ug/kg dry	1	09/09/15	B5H2706	8270	
218-01-9	Chrysene	ND	240	ug/kg dry	1	09/09/15	B5H2706	8270	
53-70-3	Dibenz[a,h]anthracene	ND	490	ug/kg dry	1	09/09/15	B5H2706	8270	
206-44-0	Fluoranthene	ND	240	ug/kg dry	1	09/09/15	B5H2706	8270	
86-73-7	Fluorene	ND	240	ug/kg dry	1	09/09/15	B5H2706	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	490	ug/kg dry	1	09/09/15	B5H2706	8270	
91-20-3	Naphthalene	ND	240	ug/kg dry	1	09/09/15	B5H2706	8270	
85-01-8	Phenanthrene	ND	240	ug/kg dry	1	09/09/15	B5H2706	8270	
129-00-0	Pyrene	ND	240	ug/kg dry	1	09/09/15	B5H2706	8270	
<i>Surrogate: 2-Fluorobiphenyl</i>			64.2 %	32.9-115		09/09/15	B5H2706	8270	
<i>Surrogate: Nitrobenzene-d5</i>			58.2 %	31.8-115		09/09/15	B5H2706	8270	
<i>Surrogate: p-Terphenyl-d14</i>			78.1 %	38.5-115		09/09/15	B5H2706	8270	
<b>Organics-PCBs as Aroclors</b>									
12674-11-2	Aroclor 1016	ND	120	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
11104-28-2	Aroclor 1221	ND	120	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
11141-16-5	Aroclor 1232	ND	120	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
53469-21-9	Aroclor 1242	ND	120	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
12672-29-6	Aroclor 1248	ND	120	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
11097-69-1	Aroclor 1254	ND	120	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
11096-82-5	Aroclor 1260	ND	120	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
37324-23-5	Aroclor 1262	ND	120	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
11100-14-4	Aroclor 1268	ND	120	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
<i>Surrogate: Decachlorobiphenyl</i>			47.1 %	30-150		09/13/15	B5I0411	8081/8082	
<i>Surrogate: Tetrachloro-m-xylene</i>			82.8 %	30-150		09/13/15	B5I0411	8081/8082	



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY  
 ENVIRONMENTAL LABORATORY

P.O. Box 30270  
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 FAX: (517) 335-9600

Client ID: CHTC - SS-12 - 0-6"

Lab ID: 1508214-15

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Inorganics-General Chemistry</b>									
TS	<b>% Total Solids</b>	<b>82.3</b>	0.1	%	1	08/26/15	B5H2610	2540 B	
57-12-5	Total Cyanide	ND	0.12	mg/kg dry	1	08/28/15	B5H2406	ASTM D7284	
<b>Inorganics-Metals</b>									
7429-90-5	<b>Aluminium</b>	<b>25000</b>	1000	mg/kg dry	10000	09/04/15	B5H2802	6020/200.8	
7440-36-0	<b>Antimony</b>	<b>0.5</b>	0.3	mg/kg dry	10	09/04/15	B5H2703	6020/200.8	
7440-38-2	<b>Arsenic</b>	<b>39</b>	5.0	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7440-39-3	<b>Barium</b>	<b>38</b>	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-41-7	Beryllium	ND	2.0	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7440-43-9	<b>Cadmium</b>	<b>0.3</b>	0.2	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-47-3	<b>Chromium</b>	<b>140</b>	20	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-48-4	<b>Cobalt</b>	<b>33</b>	5.0	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-50-8	<b>Copper</b>	<b>35000</b>	1000	mg/kg dry	10000	09/04/15	B5H2802	6020/200.8	
7439-89-6	<b>Iron</b>	<b>44000</b>	5.0	mg/kg dry	10	09/11/15	B5H2802	6010/200.7	A09
7439-92-1	<b>Lead</b>	<b>110</b>	10	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7439-93-2	<b>Lithium</b>	<b>10</b>	0.2	mg/kg dry	1	09/11/15	B5H2802	6010/200.7	
7439-95-4	<b>Magnesium</b>	<b>17000</b>	50	mg/kg dry	10	09/11/15	B5H2802	6010/200.7	
7439-96-5	<b>Manganese</b>	<b>1000</b>	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7439-97-6	Mercury	ND	0.06	mg/kg dry	1	09/03/15	B5I0204	7471/245.5	
7440-02-0	<b>Nickel</b>	<b>50</b>	10	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7782-49-2	Selenium	ND	2.0	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	
7440-22-4	<b>Silver</b>	<b>7.7</b>	0.1	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-28-0	Thallium	ND	0.5	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-66-6	<b>Zinc</b>	<b>140</b>	10	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	



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Client ID: CHTC - SB48 - 12"-18"

Lab ID: 1508214-16

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
630-20-6	1,1,1,2-Tetrachloroethane	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
71-55-6	1,1,1-Trichloroethane	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
79-00-5	1,1,2-Trichloroethane	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
75-34-3	1,1-Dichloroethane	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
75-35-4	1,1-Dichloroethylene	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	270	ug/kg dry	50	08/27/15	B5H2705	8260	
96-18-4	1,2,3-Trichloropropane	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
120-82-1	1,2,4-Trichlorobenzene	ND	270	ug/kg dry	50	08/27/15	B5H2705	8260	
95-63-6	1,2,4-Trimethylbenzene	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
96-12-8	1,2-Dibromo-3-chloropropane	ND	270	ug/kg dry	50	08/27/15	B5H2705	8260	
106-93-4	1,2-Dibromoethane	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
95-50-1	1,2-Dichlorobenzene	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
107-06-2	1,2-Dichloroethane	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
78-87-5	1,2-Dichloropropane	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
108-67-8	1,3,5-Trimethylbenzene	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
541-73-1	1,3-Dichlorobenzene	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
106-46-7	1,4-Dichlorobenzene	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
78-93-3	2-Butanone (MEK)	ND	270	ug/kg dry	50	08/27/15	B5H2705	8260	
591-78-6	2-Hexanone	ND	270	ug/kg dry	50	08/27/15	B5H2705	8260	
91-57-6	2-Methylnaphthalene	ND	270	ug/kg dry	50	08/27/15	B5H2705	8260	X
67-64-1	2-Propanone (acetone)	ND	1100	ug/kg dry	50	08/27/15	B5H2705	8260	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	270	ug/kg dry	50	08/27/15	B5H2705	8260	
107-13-1	Acrylonitrile	ND	270	ug/kg dry	50	08/27/15	B5H2705	8260	
71-43-2	Benzene	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
108-86-1	Bromobenzene	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
74-97-5	Bromochloromethane	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
75-27-4	Bromodichloromethane	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
75-25-2	Bromoform	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
74-83-9	Bromomethane	ND	270	ug/kg dry	50	08/27/15	B5H2705	8260	
75-15-0	Carbon disulfide	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
56-23-5	Carbon tetrachloride	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
108-90-7	Chlorobenzene	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
75-00-3	Chloroethane	ND	270	ug/kg dry	50	08/27/15	B5H2705	8260	
67-66-3	Chloroform	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
74-87-3	Chloromethane	ND	270	ug/kg dry	50	08/27/15	B5H2705	8260	
156-59-2	cis-1,2-Dichloroethylene	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
10061-01-5	cis-1,3-Dichloropropylene	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
110-82-7	Cyclohexane	ND	270	ug/kg dry	50	08/27/15	B5H2705	8260	
124-48-1	Dibromochloromethane	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	



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Client ID: CHTC - SB48 - 12"-18"

Lab ID: 1508214-16

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
74-95-3	Dibromomethane	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
75-71-8	Dichlorodifluoromethane	ND	270	ug/kg dry	50	08/27/15	B5H2705	8260	
60-29-7	Diethyl ether	ND	270	ug/kg dry	50	08/27/15	B5H2705	8260	
108-20-3	Diisopropyl Ether	ND	270	ug/kg dry	50	08/27/15	B5H2705	8260	
100-41-4	Ethylbenzene	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
637-92-3	Ethyltertiarybutylether	ND	270	ug/kg dry	50	08/27/15	B5H2705	8260	
67-72-1	Hexachloroethane	ND	270	ug/kg dry	50	08/27/15	B5H2705	8260	
98-82-8	Isopropylbenzene	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
1330-20-7	m & p - Xylene	ND	110	ug/kg dry	50	08/27/15	B5H2705	8260	
74-88-4	Methyl iodide	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
75-09-2	Methylene chloride	ND	270	ug/kg dry	50	08/27/15	B5H2705	8260	
1634-04-4	Methyltertiarybutylether	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
91-20-3	Naphthalene	ND	270	ug/kg dry	50	08/27/15	B5H2705	8260	X
104-51-8	n-Butylbenzene	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
103-65-1	n-Propylbenzene	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
95-47-6	o-Xylene	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
99-87-6	p-Isopropyl toluene	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
135-98-8	sec-Butylbenzene	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
100-42-5	Styrene	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
98-06-6	tert-Butylbenzene	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
75-65-0	tertiary Butyl Alcohol	ND	2700	ug/kg dry	50	08/27/15	B5H2705	8260	
994-05-8	tertiaryAmylmethylether	ND	270	ug/kg dry	50	08/27/15	B5H2705	8260	
127-18-4	Tetrachloroethylene	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
109-99-9	Tetrahydrofuran	ND	270	ug/kg dry	50	08/27/15	B5H2705	8260	
108-88-3	Toluene	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
10061-02-6	trans-1,3-Dichloropropylene	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
110-57-6	trans-1,4-Dichloro-2-butene	ND	270	ug/kg dry	50	08/27/15	B5H2705	8260	
79-01-6	Trichloroethylene	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
75-69-4	Trichlorofluoromethane	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
75-01-4	Vinyl chloride	ND	55	ug/kg dry	50	08/27/15	B5H2705	8260	
Surrogate: Bromofluorobenzene			109 %	40.3-194		08/27/15	B5H2705	8260	
Surrogate: Dibromofluoromethane			117 %	52.1-217		08/27/15	B5H2705	8260	
Surrogate: Toluene-d8			115 %	55.4-196		08/27/15	B5H2705	8260	



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Client ID: CHTC - SB48 - 12"-18"

Lab ID: 1508214-16

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Semivolatiles</b>									
									<b>See note Y20</b>
91-57-6	2-Methylnaphthalene	ND	520	ug/kg dry	1	09/09/15	B5H2706	8270	
83-32-9	Acenaphthene	ND	210	ug/kg dry	1	09/09/15	B5H2706	8270	
208-96-8	Acenaphthylene	ND	210	ug/kg dry	1	09/09/15	B5H2706	8270	
120-12-7	Anthracene	ND	210	ug/kg dry	1	09/09/15	B5H2706	8270	
56-55-3	Benz[a]anthracene	ND	210	ug/kg dry	1	09/09/15	B5H2706	8270	
50-32-8	Benzo[a]pyrene	ND	420	ug/kg dry	1	09/09/15	B5H2706	8270	
205-99-2	Benzo[b]fluoranthene	ND	420	ug/kg dry	1	09/09/15	B5H2706	8270	
191-24-2	Benzo[g,h,i]perylene	ND	420	ug/kg dry	1	09/09/15	B5H2706	8270	
207-08-9	Benzo[k]fluoranthene	ND	420	ug/kg dry	1	09/09/15	B5H2706	8270	
218-01-9	Chrysene	ND	210	ug/kg dry	1	09/09/15	B5H2706	8270	
53-70-3	Dibenz[a,h]anthracene	ND	420	ug/kg dry	1	09/09/15	B5H2706	8270	
206-44-0	Fluoranthene	ND	210	ug/kg dry	1	09/09/15	B5H2706	8270	
86-73-7	Fluorene	ND	210	ug/kg dry	1	09/09/15	B5H2706	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	420	ug/kg dry	1	09/09/15	B5H2706	8270	
91-20-3	Naphthalene	ND	210	ug/kg dry	1	09/09/15	B5H2706	8270	
85-01-8	Phenanthrene	ND	210	ug/kg dry	1	09/09/15	B5H2706	8270	
129-00-0	Pyrene	ND	210	ug/kg dry	1	09/09/15	B5H2706	8270	
<i>Surrogate: 2-Fluorobiphenyl</i>			72.7 %	32.9-115		09/09/15	B5H2706	8270	
<i>Surrogate: Nitrobenzene-d5</i>			66.0 %	31.8-115		09/09/15	B5H2706	8270	
<i>Surrogate: p-Terphenyl-d14</i>			90.8 %	38.5-115		09/09/15	B5H2706	8270	
<b>Organics-PCBs as Aroclors</b>									
12674-11-2	Aroclor 1016	ND	100	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
11104-28-2	Aroclor 1221	ND	100	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
11141-16-5	Aroclor 1232	ND	100	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
53469-21-9	Aroclor 1242	ND	100	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
12672-29-6	Aroclor 1248	ND	100	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
11097-69-1	Aroclor 1254	ND	100	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
11096-82-5	Aroclor 1260	ND	100	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
37324-23-5	Aroclor 1262	ND	100	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
11100-14-4	Aroclor 1268	ND	100	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
<i>Surrogate: Decachlorobiphenyl</i>			62.0 %	30-150		09/13/15	B5I0411	8081/8082	
<i>Surrogate: Tetrachloro-m-xylene</i>			76.1 %	30-150		09/13/15	B5I0411	8081/8082	





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Client ID: CHTC - SB48 - 12"-18"

Lab ID: 1508214-16

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Inorganics-General Chemistry</b>									
TS	<b>% Total Solids</b>	<b>96.3</b>	0.1	%	1	08/26/15	B5H2610	2540 B	
57-12-5	<b>Total Cyanide</b>	<b>0.16</b>	0.10	mg/kg dry	1	08/28/15	B5H2406	ASTM D7284	
<b>Inorganics-Metals</b>									
7429-90-5	<b>Aluminium</b>	<b>14000</b>	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-36-0	Antimony	ND	0.3	mg/kg dry	10	09/04/15	B5H2703	6020/200.8	
7440-38-2	<b>Arsenic</b>	<b>2.1</b>	0.5	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-39-3	<b>Barium</b>	<b>19</b>	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	A04
7440-41-7	<b>Beryllium</b>	<b>0.4</b>	0.2	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-43-9	Cadmium	ND	0.2	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-47-3	<b>Chromium</b>	<b>40</b>	20	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-48-4	<b>Cobalt</b>	<b>17</b>	5.0	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7440-50-8	<b>Copper</b>	<b>1600</b>	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7439-89-6	<b>Iron</b>	<b>22000</b>	5.0	mg/kg dry	10	09/11/15	B5H2802	6010/200.7	A09
7439-92-1	<b>Lead</b>	<b>13</b>	1.0	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7439-93-2	<b>Lithium</b>	<b>5.3</b>	0.2	mg/kg dry	1	09/11/15	B5H2802	6010/200.7	
7439-95-4	<b>Magnesium</b>	<b>13000</b>	50	mg/kg dry	10	09/11/15	B5H2802	6010/200.7	
7439-96-5	<b>Manganese</b>	<b>330</b>	10	mg/kg dry	100	09/04/15	B5H2802	6020/200.8	
7439-97-6	Mercury	ND	0.05	mg/kg dry	1	09/03/15	B5I0204	7471/245.5	
7440-02-0	<b>Nickel</b>	<b>29</b>	1.0	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7782-49-2	Selenium	ND	0.2	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-22-4	<b>Silver</b>	<b>0.9</b>	0.1	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-28-0	Thallium	ND	0.5	mg/kg dry	10	09/03/15	B5H2802	6020/200.8	
7440-66-6	<b>Zinc</b>	<b>70</b>	10	mg/kg dry	100	09/03/15	B5H2802	6020/200.8	



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 Lansing, MI 48909  
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 FAX: (517) 335-9600

Client ID: CHTC - SB48 - 18"-24'

Lab ID: 1508214-17

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
									<b>See note Y15</b>
630-20-6	1,1,1,2-Tetrachloroethane	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
71-55-6	1,1,1-Trichloroethane	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
79-00-5	1,1,2-Trichloroethane	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
75-34-3	1,1-Dichloroethane	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
75-35-4	1,1-Dichloroethylene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
96-18-4	1,2,3-Trichloropropane	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
120-82-1	1,2,4-Trichlorobenzene	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
95-63-6	1,2,4-Trimethylbenzene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
96-12-8	1,2-Dibromo-3-chloropropane	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
106-93-4	1,2-Dibromoethane	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
95-50-1	1,2-Dichlorobenzene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
107-06-2	1,2-Dichloroethane	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
78-87-5	1,2-Dichloropropane	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
108-67-8	1,3,5-Trimethylbenzene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
541-73-1	1,3-Dichlorobenzene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
106-46-7	1,4-Dichlorobenzene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
78-93-3	2-Butanone (MEK)	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
591-78-6	2-Hexanone	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
91-57-6	2-Methylnaphthalene	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	X
67-64-1	2-Propanone (acetone)	ND	1400	ug/kg dry	50	08/27/15	B5H2705	8260	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
107-13-1	Acrylonitrile	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
71-43-2	Benzene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
108-86-1	Bromobenzene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
74-97-5	Bromochloromethane	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
75-27-4	Bromodichloromethane	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
75-25-2	Bromoform	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
74-83-9	Bromomethane	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
75-15-0	Carbon disulfide	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
56-23-5	Carbon tetrachloride	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
108-90-7	Chlorobenzene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
75-00-3	Chloroethane	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
67-66-3	Chloroform	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
74-87-3	Chloromethane	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
156-59-2	cis-1,2-Dichloroethylene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
10061-01-5	cis-1,3-Dichloropropylene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
110-82-7	Cyclohexane	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
124-48-1	Dibromochloromethane	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	



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Client ID: CHTC - SB48 - 18"-24'

Lab ID: 1508214-17

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
									<b>See note Y15</b>
74-95-3	Dibromomethane	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
75-71-8	Dichlorodifluoromethane	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
60-29-7	Diethyl ether	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
108-20-3	Diisopropyl Ether	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
100-41-4	Ethylbenzene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
637-92-3	Ethyltertiarybutylether	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
67-72-1	Hexachloroethane	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
98-82-8	Isopropylbenzene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
1330-20-7	m & p - Xylene	ND	140	ug/kg dry	50	08/27/15	B5H2705	8260	
74-88-4	Methyl iodide	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
75-09-2	Methylene chloride	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
1634-04-4	Methyltertiarybutylether	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
91-20-3	Naphthalene	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	X
104-51-8	n-Butylbenzene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
103-65-1	n-Propylbenzene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
95-47-6	o-Xylene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
99-87-6	p-Isopropyl toluene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
135-98-8	sec-Butylbenzene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
100-42-5	Styrene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
98-06-6	tert-Butylbenzene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
75-65-0	tertiary Butyl Alcohol	ND	3400	ug/kg dry	50	08/27/15	B5H2705	8260	
994-05-8	tertiaryAmylmethylether	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
127-18-4	Tetrachloroethylene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
109-99-9	Tetrahydrofuran	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
108-88-3	Toluene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
10061-02-6	trans-1,3-Dichloropropylene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
110-57-6	trans-1,4-Dichloro-2-butene	ND	340	ug/kg dry	50	08/27/15	B5H2705	8260	
79-01-6	Trichloroethylene	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
75-69-4	Trichlorofluoromethane	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
75-01-4	Vinyl chloride	ND	68	ug/kg dry	50	08/27/15	B5H2705	8260	
Surrogate: Bromofluorobenzene			115 %	40.3-194		08/27/15	B5H2705	8260	
Surrogate: Dibromofluoromethane			127 %	52.1-217		08/27/15	B5H2705	8260	
Surrogate: Toluene-d8			122 %	55.4-196		08/27/15	B5H2705	8260	



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 FAX: (517) 335-9600

Client ID: CHTC - SB48 - 18''-24'

Lab ID: 1508214-17

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Semivolatiles</b>									
<b>See note Y20</b>									
91-57-6	2-Methylnaphthalene	ND	540	ug/kg dry	1	09/08/15	B5H2808	8270	
83-32-9	Acenaphthene	ND	220	ug/kg dry	1	09/08/15	B5H2808	8270	
208-96-8	Acenaphthylene	ND	220	ug/kg dry	1	09/08/15	B5H2808	8270	
120-12-7	Anthracene	ND	220	ug/kg dry	1	09/08/15	B5H2808	8270	
56-55-3	Benz[a]anthracene	ND	220	ug/kg dry	1	09/08/15	B5H2808	8270	
50-32-8	Benzo[a]pyrene	ND	430	ug/kg dry	1	09/08/15	B5H2808	8270	
205-99-2	Benzo[b]fluoranthene	ND	430	ug/kg dry	1	09/08/15	B5H2808	8270	
191-24-2	Benzo[g,h,i]perylene	ND	430	ug/kg dry	1	09/08/15	B5H2808	8270	
207-08-9	Benzo[k]fluoranthene	ND	430	ug/kg dry	1	09/08/15	B5H2808	8270	
218-01-9	Chrysene	ND	220	ug/kg dry	1	09/08/15	B5H2808	8270	
53-70-3	Dibenz[a,h]anthracene	ND	430	ug/kg dry	1	09/08/15	B5H2808	8270	
206-44-0	<b>Fluoranthene</b>	<b>230</b>	220	ug/kg dry	1	09/08/15	B5H2808	8270	
86-73-7	Fluorene	ND	220	ug/kg dry	1	09/08/15	B5H2808	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	430	ug/kg dry	1	09/08/15	B5H2808	8270	
91-20-3	Naphthalene	ND	220	ug/kg dry	1	09/08/15	B5H2808	8270	
85-01-8	<b>Phenanthrene</b>	<b>220</b>	220	ug/kg dry	1	09/08/15	B5H2808	8270	
129-00-0	<b>Pyrene</b>	<b>280</b>	220	ug/kg dry	1	09/08/15	B5H2808	8270	
<i>Surrogate: 2-Fluorobiphenyl</i>			69.2 %	32.9-115		09/08/15	B5H2808	8270	
<i>Surrogate: Nitrobenzene-d5</i>			65.4 %	31.8-115		09/08/15	B5H2808	8270	
<i>Surrogate: p-Terphenyl-d14</i>			77.9 %	38.5-115		09/08/15	B5H2808	8270	
<b>Organics-PCBs as Aroclors</b>									
12674-11-2	Aroclor 1016	ND	110	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
11104-28-2	Aroclor 1221	ND	110	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
11141-16-5	Aroclor 1232	ND	110	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
53469-21-9	Aroclor 1242	ND	110	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
12672-29-6	Aroclor 1248	ND	110	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
11097-69-1	Aroclor 1254	ND	110	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
11096-82-5	Aroclor 1260	ND	110	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
37324-23-5	Aroclor 1262	ND	110	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
11100-14-4	Aroclor 1268	ND	110	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
<i>Surrogate: Decachlorobiphenyl</i>			65.1 %	30-150		09/13/15	B5I0411	8081/8082	
<i>Surrogate: Tetrachloro-m-xylene</i>			78.0 %	30-150		09/13/15	B5I0411	8081/8082	



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Client ID: CHTC - SB48 - 18''-24'

Lab ID: 1508214-17

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Inorganics-General Chemistry</b>									
TS	<b>% Total Solids</b>	<b>93.0</b>	0.1	%	1	08/26/15	B5H2610	2540 B	
57-12-5	Total Cyanide	ND	0.11	mg/kg dry	1	08/28/15	B5H2406	ASTM D7284	
<b>Inorganics-Metals</b>									
7429-90-5	<b>Aluminium</b>	<b>10000</b>	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-36-0	<b>Antimony</b>	<b>0.3</b>	0.3	mg/kg dry	10	09/08/15	B5H3103	6020/200.8	
7440-38-2	Arsenic	ND	5.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-39-3	<b>Barium</b>	<b>23</b>	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-41-7	Beryllium	ND	2.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-43-9	Cadmium	ND	0.2	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-47-3	<b>Chromium</b>	<b>26</b>	20	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-48-4	<b>Cobalt</b>	<b>15</b>	5.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-50-8	<b>Copper</b>	<b>4000</b>	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7439-89-6	<b>Iron</b>	<b>15000</b>	5.0	mg/kg dry	10	09/11/15	B5I0101	6010/200.7	A09
7439-92-1	<b>Lead</b>	<b>14</b>	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7439-93-2	<b>Lithium</b>	<b>5.0</b>	0.2	mg/kg dry	1	09/11/15	B5I0101	6010/200.7	
7439-95-4	<b>Magnesium</b>	<b>11000</b>	50	mg/kg dry	10	09/11/15	B5I0101	6010/200.7	
7439-96-5	<b>Manganese</b>	<b>300</b>	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7439-97-6	Mercury	ND	0.05	mg/kg dry	1	09/03/15	B5I0204	7471/245.5	
7440-02-0	<b>Nickel</b>	<b>33</b>	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7782-49-2	Selenium	ND	2.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-22-4	<b>Silver</b>	<b>0.9</b>	0.1	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-28-0	Thallium	ND	5.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-66-6	<b>Zinc</b>	<b>85</b>	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	



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 TEL: (517) 335-9800  
 FAX: (517) 335-9600

Client ID: CHTC - SB43 - 6"-12"

Lab ID: 1508214-18

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
									<b>See note Y15</b>
630-20-6	1,1,1,2-Tetrachloroethane	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
71-55-6	1,1,1-Trichloroethane	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
79-00-5	1,1,2-Trichloroethane	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
75-34-3	1,1-Dichloroethane	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
75-35-4	1,1-Dichloroethylene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	280	ug/kg dry	50	08/27/15	B5H2705	8260	
96-18-4	1,2,3-Trichloropropane	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
120-82-1	1,2,4-Trichlorobenzene	ND	280	ug/kg dry	50	08/27/15	B5H2705	8260	
95-63-6	1,2,4-Trimethylbenzene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
96-12-8	1,2-Dibromo-3-chloropropane	ND	280	ug/kg dry	50	08/27/15	B5H2705	8260	
106-93-4	1,2-Dibromoethane	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
95-50-1	1,2-Dichlorobenzene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
107-06-2	1,2-Dichloroethane	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
78-87-5	1,2-Dichloropropane	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
108-67-8	1,3,5-Trimethylbenzene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
541-73-1	1,3-Dichlorobenzene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
106-46-7	1,4-Dichlorobenzene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
78-93-3	2-Butanone (MEK)	ND	280	ug/kg dry	50	08/27/15	B5H2705	8260	
591-78-6	2-Hexanone	ND	280	ug/kg dry	50	08/27/15	B5H2705	8260	
91-57-6	2-Methylnaphthalene	ND	280	ug/kg dry	50	08/27/15	B5H2705	8260	X
67-64-1	2-Propanone (acetone)	ND	1100	ug/kg dry	50	08/27/15	B5H2705	8260	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	280	ug/kg dry	50	08/27/15	B5H2705	8260	
107-13-1	Acrylonitrile	ND	280	ug/kg dry	50	08/27/15	B5H2705	8260	
71-43-2	Benzene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
108-86-1	Bromobenzene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
74-97-5	Bromochloromethane	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
75-27-4	Bromodichloromethane	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
75-25-2	Bromoform	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
74-83-9	Bromomethane	ND	280	ug/kg dry	50	08/27/15	B5H2705	8260	
75-15-0	Carbon disulfide	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
56-23-5	Carbon tetrachloride	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
108-90-7	Chlorobenzene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
75-00-3	Chloroethane	ND	280	ug/kg dry	50	08/27/15	B5H2705	8260	
67-66-3	Chloroform	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
74-87-3	Chloromethane	ND	280	ug/kg dry	50	08/27/15	B5H2705	8260	
156-59-2	cis-1,2-Dichloroethylene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
10061-01-5	cis-1,3-Dichloropropylene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
110-82-7	Cyclohexane	ND	280	ug/kg dry	50	08/27/15	B5H2705	8260	
124-48-1	Dibromochloromethane	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	



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 Lansing, MI 48909  
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 FAX: (517) 335-9600

Client ID: CHTC - SB43 - 6"-12"

Lab ID: 1508214-18

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
									<b>See note Y15</b>
74-95-3	Dibromomethane	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
75-71-8	Dichlorodifluoromethane	ND	280	ug/kg dry	50	08/27/15	B5H2705	8260	
60-29-7	Diethyl ether	ND	280	ug/kg dry	50	08/27/15	B5H2705	8260	
108-20-3	Diisopropyl Ether	ND	280	ug/kg dry	50	08/27/15	B5H2705	8260	
100-41-4	Ethylbenzene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
637-92-3	Ethyltertiarybutylether	ND	280	ug/kg dry	50	08/27/15	B5H2705	8260	
67-72-1	Hexachloroethane	ND	280	ug/kg dry	50	08/27/15	B5H2705	8260	
98-82-8	Isopropylbenzene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
1330-20-7	m & p - Xylene	ND	110	ug/kg dry	50	08/27/15	B5H2705	8260	
74-88-4	Methyl iodide	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
75-09-2	Methylene chloride	ND	280	ug/kg dry	50	08/27/15	B5H2705	8260	
1634-04-4	Methyltertiarybutylether	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
91-20-3	Naphthalene	ND	280	ug/kg dry	50	08/27/15	B5H2705	8260	X
104-51-8	n-Butylbenzene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
103-65-1	n-Propylbenzene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
95-47-6	o-Xylene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
99-87-6	p-Isopropyl toluene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
135-98-8	sec-Butylbenzene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
100-42-5	Styrene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
98-06-6	tert-Butylbenzene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
75-65-0	tertiary Butyl Alcohol	ND	2800	ug/kg dry	50	08/27/15	B5H2705	8260	
994-05-8	tertiaryAmylmethylether	ND	280	ug/kg dry	50	08/27/15	B5H2705	8260	
127-18-4	Tetrachloroethylene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
109-99-9	Tetrahydrofuran	ND	280	ug/kg dry	50	08/27/15	B5H2705	8260	
108-88-3	Toluene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
10061-02-6	trans-1,3-Dichloropropylene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
110-57-6	trans-1,4-Dichloro-2-butene	ND	280	ug/kg dry	50	08/27/15	B5H2705	8260	
79-01-6	Trichloroethylene	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
75-69-4	Trichlorofluoromethane	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
75-01-4	Vinyl chloride	ND	57	ug/kg dry	50	08/27/15	B5H2705	8260	
<i>Surrogate: Bromofluorobenzene</i>			114 %	40.3-194		08/27/15	B5H2705	8260	
<i>Surrogate: Dibromofluoromethane</i>			125 %	52.1-217		08/27/15	B5H2705	8260	
<i>Surrogate: Toluene-d8</i>			120 %	55.4-196		08/27/15	B5H2705	8260	



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Client ID: CHTC - SB43 - 6"-12"  
 Lab ID: 1508214-18

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Semivolatiles</b>									
									<b>See note Y20</b>
91-57-6	2-Methylnaphthalene	ND	520	ug/kg dry	1	09/08/15	B5H2808	8270	
83-32-9	Acenaphthene	ND	210	ug/kg dry	1	09/08/15	B5H2808	8270	
208-96-8	Acenaphthylene	ND	210	ug/kg dry	1	09/08/15	B5H2808	8270	
120-12-7	Anthracene	ND	210	ug/kg dry	1	09/08/15	B5H2808	8270	
56-55-3	Benz[a]anthracene	ND	210	ug/kg dry	1	09/08/15	B5H2808	8270	
50-32-8	Benzo[a]pyrene	ND	420	ug/kg dry	1	09/08/15	B5H2808	8270	
205-99-2	Benzo[b]fluoranthene	ND	420	ug/kg dry	1	09/08/15	B5H2808	8270	
191-24-2	Benzo[g,h,i]perylene	ND	420	ug/kg dry	1	09/08/15	B5H2808	8270	
207-08-9	Benzo[k]fluoranthene	ND	420	ug/kg dry	1	09/08/15	B5H2808	8270	
218-01-9	Chrysene	ND	210	ug/kg dry	1	09/08/15	B5H2808	8270	
53-70-3	Dibenz[a,h]anthracene	ND	420	ug/kg dry	1	09/08/15	B5H2808	8270	
206-44-0	Fluoranthene	ND	210	ug/kg dry	1	09/08/15	B5H2808	8270	
86-73-7	Fluorene	ND	210	ug/kg dry	1	09/08/15	B5H2808	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	420	ug/kg dry	1	09/08/15	B5H2808	8270	
91-20-3	Naphthalene	ND	210	ug/kg dry	1	09/08/15	B5H2808	8270	
85-01-8	Phenanthrene	ND	210	ug/kg dry	1	09/08/15	B5H2808	8270	
129-00-0	Pyrene	ND	210	ug/kg dry	1	09/08/15	B5H2808	8270	
<i>Surrogate: 2-Fluorobiphenyl</i>			66.1 %	32.9-115		09/08/15	B5H2808	8270	
<i>Surrogate: Nitrobenzene-d5</i>			62.7 %	31.8-115		09/08/15	B5H2808	8270	
<i>Surrogate: p-Terphenyl-d14</i>			78.8 %	38.5-115		09/08/15	B5H2808	8270	
<b>Organics-PCBs as Aroclors</b>									
12674-11-2	Aroclor 1016	ND	100	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
11104-28-2	Aroclor 1221	ND	100	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
11141-16-5	Aroclor 1232	ND	100	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
53469-21-9	Aroclor 1242	ND	100	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
12672-29-6	Aroclor 1248	ND	100	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
11097-69-1	Aroclor 1254	ND	100	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
11096-82-5	Aroclor 1260	ND	100	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
37324-23-5	Aroclor 1262	ND	100	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
11100-14-4	Aroclor 1268	ND	100	ug/kg dry	1	09/13/15	B5I0411	8081/8082	
<i>Surrogate: Decachlorobiphenyl</i>			72.3 %	30-150		09/13/15	B5I0411	8081/8082	
<i>Surrogate: Tetrachloro-m-xylene</i>			73.3 %	30-150		09/13/15	B5I0411	8081/8082	





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Client ID: CHTC - SB43 - 6"-12"

Lab ID: 1508214-18

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Inorganics-General Chemistry</b>									
TS	<b>% Total Solids</b>	<b>95.3</b>	0.1	%	1	08/26/15	B5H2610	2540 B	
57-12-5	Total Cyanide	ND	0.10	mg/kg dry	1	08/28/15	B5H2406	ASTM D7284	
<b>Inorganics-Metals</b>									
7429-90-5	<b>Aluminium</b>	<b>15000</b>	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-36-0	Antimony	ND	0.3	mg/kg dry	10	09/08/15	B5H3103	6020/200.8	
7440-38-2	Arsenic	ND	5.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-39-3	<b>Barium</b>	<b>9.2</b>	1.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-41-7	Beryllium	ND	2.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-43-9	Cadmium	ND	0.2	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-47-3	<b>Chromium</b>	<b>28</b>	20	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-48-4	<b>Cobalt</b>	<b>17</b>	5.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-50-8	<b>Copper</b>	<b>500</b>	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7439-89-6	<b>Iron</b>	<b>17000</b>	5.0	mg/kg dry	10	09/11/15	B5I0101	6010/200.7	A09
7439-92-1	<b>Lead</b>	<b>1.3</b>	1.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7439-93-2	<b>Lithium</b>	<b>4.1</b>	0.2	mg/kg dry	1	09/11/15	B5I0101	6010/200.7	
7439-95-4	<b>Magnesium</b>	<b>12000</b>	50	mg/kg dry	10	09/11/15	B5I0101	6010/200.7	
7439-96-5	<b>Manganese</b>	<b>300</b>	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7439-97-6	Mercury	ND	0.05	mg/kg dry	1	09/03/15	B5I0204	7471/245.5	
7440-02-0	<b>Nickel</b>	<b>36</b>	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7782-49-2	Selenium	ND	2.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-22-4	<b>Silver</b>	<b>0.7</b>	0.1	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-28-0	Thallium	ND	0.5	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-66-6	<b>Zinc</b>	<b>56</b>	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	



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 Lansing, MI 48909  
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Client ID: CHTC - SB43 - 1'-5'

Lab ID: 1508214-19

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
630-20-6	1,1,1,2-Tetrachloroethane	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
71-55-6	1,1,1-Trichloroethane	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
79-00-5	1,1,2-Trichloroethane	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
75-34-3	1,1-Dichloroethane	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
75-35-4	1,1-Dichloroethylene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
96-18-4	1,2,3-Trichloropropane	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
120-82-1	1,2,4-Trichlorobenzene	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
95-63-6	1,2,4-Trimethylbenzene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
96-12-8	1,2-Dibromo-3-chloropropane	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
106-93-4	1,2-Dibromoethane	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
95-50-1	1,2-Dichlorobenzene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
107-06-2	1,2-Dichloroethane	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
78-87-5	1,2-Dichloropropane	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
108-67-8	1,3,5-Trimethylbenzene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
541-73-1	1,3-Dichlorobenzene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
106-46-7	1,4-Dichlorobenzene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
78-93-3	2-Butanone (MEK)	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
591-78-6	2-Hexanone	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
91-57-6	2-Methylnaphthalene	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	X
67-64-1	2-Propanone (acetone)	ND	1200	ug/kg dry	50	08/27/15	B5H2705	8260	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
107-13-1	Acrylonitrile	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
71-43-2	Benzene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
108-86-1	Bromobenzene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
74-97-5	Bromochloromethane	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
75-27-4	Bromodichloromethane	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
75-25-2	Bromoform	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
74-83-9	Bromomethane	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
75-15-0	Carbon disulfide	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
56-23-5	Carbon tetrachloride	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
108-90-7	Chlorobenzene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
75-00-3	Chloroethane	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
67-66-3	Chloroform	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
74-87-3	Chloromethane	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
156-59-2	cis-1,2-Dichloroethylene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
10061-01-5	cis-1,3-Dichloropropylene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
110-82-7	Cyclohexane	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
124-48-1	Dibromochloromethane	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	



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Client ID: CHTC - SB43 - 1'-5'

Lab ID: 1508214-19

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
74-95-3	Dibromomethane	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
75-71-8	Dichlorodifluoromethane	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
60-29-7	Diethyl ether	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
108-20-3	Diisopropyl Ether	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
100-41-4	Ethylbenzene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
637-92-3	Ethyltertiarybutylether	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
67-72-1	Hexachloroethane	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
98-82-8	Isopropylbenzene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
1330-20-7	m & p - Xylene	ND	120	ug/kg dry	50	08/27/15	B5H2705	8260	
74-88-4	Methyl iodide	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
75-09-2	Methylene chloride	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
1634-04-4	Methyltertiarybutylether	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
91-20-3	Naphthalene	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	X
104-51-8	n-Butylbenzene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
103-65-1	n-Propylbenzene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
95-47-6	o-Xylene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
99-87-6	p-Isopropyl toluene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
135-98-8	sec-Butylbenzene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
100-42-5	Styrene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
98-06-6	tert-Butylbenzene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
75-65-0	tertiary Butyl Alcohol	ND	3100	ug/kg dry	50	08/27/15	B5H2705	8260	
994-05-8	tertiaryAmylmethylether	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
127-18-4	Tetrachloroethylene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
109-99-9	Tetrahydrofuran	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
108-88-3	Toluene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
10061-02-6	trans-1,3-Dichloropropylene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
110-57-6	trans-1,4-Dichloro-2-butene	ND	310	ug/kg dry	50	08/27/15	B5H2705	8260	
79-01-6	Trichloroethylene	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
75-69-4	Trichlorofluoromethane	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
75-01-4	Vinyl chloride	ND	61	ug/kg dry	50	08/27/15	B5H2705	8260	
<i>Surrogate: Bromofluorobenzene</i>			<i>112 %</i>	<i>40.3-194</i>		<i>08/27/15</i>	<i>B5H2705</i>	<i>8260</i>	
<i>Surrogate: Dibromofluoromethane</i>			<i>122 %</i>	<i>52.1-217</i>		<i>08/27/15</i>	<i>B5H2705</i>	<i>8260</i>	
<i>Surrogate: Toluene-d8</i>			<i>118 %</i>	<i>55.4-196</i>		<i>08/27/15</i>	<i>B5H2705</i>	<i>8260</i>	



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY  
 ENVIRONMENTAL LABORATORY

P.O. Box 30270  
 Lansing, MI 48909  
 TEL: (517) 335-9800  
 FAX: (517) 335-9600

Client ID: CHTC - SB43 - 1'-5'  
 Lab ID: 1508214-19

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Semivolatiles</b>									
									<b>See note Y20</b>
91-57-6	2-Methylnaphthalene	ND	560	ug/kg dry	1	09/08/15	B5H2808	8270	
83-32-9	Acenaphthene	ND	220	ug/kg dry	1	09/08/15	B5H2808	8270	
208-96-8	Acenaphthylene	ND	220	ug/kg dry	1	09/08/15	B5H2808	8270	
120-12-7	Anthracene	ND	220	ug/kg dry	1	09/08/15	B5H2808	8270	
56-55-3	Benz[a]anthracene	ND	220	ug/kg dry	1	09/08/15	B5H2808	8270	
50-32-8	Benzo[a]pyrene	ND	450	ug/kg dry	1	09/08/15	B5H2808	8270	
205-99-2	Benzo[b]fluoranthene	ND	450	ug/kg dry	1	09/08/15	B5H2808	8270	
191-24-2	Benzo[g,h,i]perylene	ND	450	ug/kg dry	1	09/08/15	B5H2808	8270	
207-08-9	Benzo[k]fluoranthene	ND	450	ug/kg dry	1	09/08/15	B5H2808	8270	
218-01-9	Chrysene	ND	220	ug/kg dry	1	09/08/15	B5H2808	8270	
53-70-3	Dibenz[a,h]anthracene	ND	450	ug/kg dry	1	09/08/15	B5H2808	8270	
206-44-0	Fluoranthene	ND	220	ug/kg dry	1	09/08/15	B5H2808	8270	
86-73-7	Fluorene	ND	220	ug/kg dry	1	09/08/15	B5H2808	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	450	ug/kg dry	1	09/08/15	B5H2808	8270	
91-20-3	Naphthalene	ND	220	ug/kg dry	1	09/08/15	B5H2808	8270	
85-01-8	Phenanthrene	ND	220	ug/kg dry	1	09/08/15	B5H2808	8270	
129-00-0	Pyrene	ND	220	ug/kg dry	1	09/08/15	B5H2808	8270	
<i>Surrogate: 2-Fluorobiphenyl</i>			70.4 %	32.9-115		09/08/15	B5H2808	8270	
<i>Surrogate: Nitrobenzene-d5</i>			66.8 %	31.8-115		09/08/15	B5H2808	8270	
<i>Surrogate: p-Terphenyl-d14</i>			86.4 %	38.5-115		09/08/15	B5H2808	8270	
<b>Organics-PCBs as Aroclors</b>									
12674-11-2	Aroclor 1016	ND	110	ug/kg dry	1	09/15/15	B5I0805	8081/8082	
11104-28-2	Aroclor 1221	ND	110	ug/kg dry	1	09/15/15	B5I0805	8081/8082	
11141-16-5	Aroclor 1232	ND	110	ug/kg dry	1	09/15/15	B5I0805	8081/8082	
53469-21-9	Aroclor 1242	ND	110	ug/kg dry	1	09/15/15	B5I0805	8081/8082	
12672-29-6	Aroclor 1248	ND	110	ug/kg dry	1	09/15/15	B5I0805	8081/8082	
11097-69-1	Aroclor 1254	ND	110	ug/kg dry	1	09/15/15	B5I0805	8081/8082	
11096-82-5	Aroclor 1260	ND	110	ug/kg dry	1	09/15/15	B5I0805	8081/8082	
37324-23-5	Aroclor 1262	ND	110	ug/kg dry	1	09/15/15	B5I0805	8081/8082	
11100-14-4	Aroclor 1268	ND	110	ug/kg dry	1	09/15/15	B5I0805	8081/8082	
<i>Surrogate: Decachlorobiphenyl</i>			86.6 %	30-150		09/15/15	B5I0805	8081/8082	
<i>Surrogate: Tetrachloro-m-xylene</i>			69.7 %	30-150		09/15/15	B5I0805	8081/8082	



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 Lansing, MI 48909  
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 FAX: (517) 335-9600

Client ID: CHTC - SB43 - 1'-5'

Lab ID: 1508214-19

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Inorganics-General Chemistry</b>									
TS	<b>% Total Solids</b>	<b>89.8</b>	0.1	%	1	08/26/15	B5H2610	2540 B	
57-12-5	Total Cyanide	ND	0.11	mg/kg dry	1	08/28/15	B5H2406	ASTM D7284	
<b>Inorganics-Metals</b>									
7429-90-5	<b>Aluminium</b>	<b>16000</b>	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-36-0	Antimony	ND	0.3	mg/kg dry	10	09/08/15	B5H3103	6020/200.8	
7440-38-2	Arsenic	ND	5.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-39-3	<b>Barium</b>	<b>9.0</b>	1.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-41-7	Beryllium	ND	2.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-43-9	Cadmium	ND	0.2	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-47-3	<b>Chromium</b>	<b>29</b>	20	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-48-4	<b>Cobalt</b>	<b>19</b>	5.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-50-8	<b>Copper</b>	<b>510</b>	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7439-89-6	<b>Iron</b>	<b>18000</b>	5.0	mg/kg dry	10	09/11/15	B5I0101	6010/200.7	A09
7439-92-1	<b>Lead</b>	<b>1.2</b>	1.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7439-93-2	<b>Lithium</b>	<b>4.2</b>	0.2	mg/kg dry	1	09/11/15	B5I0101	6010/200.7	
7439-95-4	<b>Magnesium</b>	<b>12000</b>	50	mg/kg dry	10	09/11/15	B5I0101	6010/200.7	
7439-96-5	<b>Manganese</b>	<b>320</b>	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7439-97-6	Mercury	ND	0.06	mg/kg dry	1	09/03/15	B5I0204	7471/245.5	
7440-02-0	<b>Nickel</b>	<b>38</b>	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7782-49-2	Selenium	ND	2.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-22-4	<b>Silver</b>	<b>0.5</b>	0.1	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-28-0	Thallium	ND	0.5	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-66-6	<b>Zinc</b>	<b>59</b>	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	



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ENVIRONMENTAL LABORATORY**

P.O. Box 30270  
Lansing, MI 48909  
TEL: (517) 335-9800  
FAX: (517) 335-9600

**Client ID: CHTC - SB42 - 6"-12"**

**Lab ID: 1508214-20**

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-PCBs as Aroclors</b>									
12674-11-2	Aroclor 1016	ND	100	ug/kg dry	1	09/15/15	B5I0805	8081/8082	
11104-28-2	Aroclor 1221	ND	100	ug/kg dry	1	09/15/15	B5I0805	8081/8082	
11141-16-5	Aroclor 1232	ND	100	ug/kg dry	1	09/15/15	B5I0805	8081/8082	
53469-21-9	Aroclor 1242	ND	100	ug/kg dry	1	09/15/15	B5I0805	8081/8082	
12672-29-6	Aroclor 1248	ND	100	ug/kg dry	1	09/15/15	B5I0805	8081/8082	
11097-69-1	Aroclor 1254	ND	100	ug/kg dry	1	09/15/15	B5I0805	8081/8082	
11096-82-5	Aroclor 1260	ND	100	ug/kg dry	1	09/15/15	B5I0805	8081/8082	
37324-23-5	Aroclor 1262	ND	100	ug/kg dry	1	09/15/15	B5I0805	8081/8082	
11100-14-4	Aroclor 1268	ND	100	ug/kg dry	1	09/15/15	B5I0805	8081/8082	
<i>Surrogate: Decachlorobiphenyl</i>			84.9 %	30-150		09/15/15	B5I0805	8081/8082	
<i>Surrogate: Tetrachloro-m-xylene</i>			67.9 %	30-150		09/15/15	B5I0805	8081/8082	
<b>Inorganics-General Chemistry</b>									
TS	<b>% Total Solids</b>	<b>96.3</b>	0.1	%	1	08/26/15	B5H2610	2540 B	



# Analysis Request Sheet

Lab Work Order Number: **1508214** Project Name: **Abandoned Mining Waste Torch Lake** *PCB C&H Tamarack City ops* Matrix

Site Code/Project Number: **3100098** AY: **13** CC Email 1: **pincumbej** Project TAT Days: [ ] Sample Collector: **Jeff Pincumbe**

Dept-Division-District: **DEQ-RRD-Calumet Field Office** Index: **44251** CC Email 2: **shireyb shireyb** Project Due Date: [ ] Sample Collector Phone: **517-335-6418**

State Project Manager: **Amy Keranen** PCA: **30872** CC Email 3: **j.binkley@westonsolutions.com** Contract Firm: **Weston solutions**

State Project Manager Email: **keranena** Project: **456990** Overflow Lab Choice 1: [ ] Accept Analysis hold time codes: [ ] Contract Firm Primary Contact: **Jeff Binkley**

State Project Manager Phone: **906-337-0389** Phase: **00** Overflow Lab Choice 2: [ ] Primary Contact Phone: **9065235457**

Lab Use Only	Field Sample Identification	Collection Date	Collection Time	Container Count	Comments
1	01 CHTC-SS01-3"-9"	8/20/15	1400		
2	02 CHTC-SS02-3"-9"	}	1420		
3	03 CHTC-SS03-3"-9"		1430		
4	04 CHTC-SS04-3"-9"		1435		
5	05 CHTC-SS05-3"-9"		1440		
6	06 CHTC-SS06-3"-9"		1450		
7	07 CHTC-SS07-3"-9"		1505		
8	08 CHTC-DM01-0-6"		1510		tar? may not want to analyze but we do want char TAP?
9	09 CHTC-SS08-3"-9"		1525		
10	10 CHTC-DM02-0-6"		1540		

ORGANIC CHEMISTRY	METALS CHEMISTRY PACKAGES	MS - TOTAL METALS	GENERAL CHEMISTRY
<b>VOA - Volatile Organic Acids</b> Volatiles - Full List: 1 2 3 4 5 6 7 8 9 10 BTEX/MTBE/TMB only: 1 2 3 4 5 6 7 8 9 10 Chlorinated only: 1 2 3 4 5 6 7 8 9 10 GRO: 1 2 3 4 5 6 7 8 9 10 1,4 Dioxane: 1 2 3 4 5 6 7 8 9 10  <b>OS - Pesticides, PCBs</b> Pesticides & PCBs: 1 2 3 4 5 6 7 8 9 10 Pesticides only: 1 2 3 4 5 6 7 8 9 10 PCBs only: 1 2 3 4 5 6 7 8 9 10 Toxaphene: 1 2 3 4 5 6 7 8 9 10  <b>BNA - Base Neutral Acids</b> BNAs: 1 2 3 4 5 6 7 8 9 10 PNAs only: 1 2 3 4 5 6 7 8 9 10 BNs only: 1 2 3 4 5 6 7 8 9 10  <b>Organic Specialty Requests</b> Library search - Volatiles: 1 2 3 4 5 6 7 8 9 10 Library search - SemiVols: 1 2 3 4 5 6 7 8 9 10 Finger Print: 1 2 3 4 5 6 7 8 9 10 DRO / ORO: 1 2 3 4 5 6 7 8 9 10	<b>OpMemo2 - Total</b> 1 2 3 4 5 6 7 8 9 10 (Sb,As,Ba,Bc,Cd,Cr,Cu,Co,Fe,Pb,Mn,Hg,Mo,Ni,Se,Ag,Tl,V,Zn) <b>Michigan10 - Total</b> 1 2 3 4 5 6 7 8 9 10 (As,Ba,Cd,Cr,Cu,Pb,Hg,Se,Ag,Zn)	<b>Silver - Ag</b> 1 2 3 4 5 6 7 8 9 10 <b>Aluminum - Al</b> 1 2 3 4 5 6 7 8 9 10 <b>Arsenic - As</b> 1 2 3 4 5 6 7 8 9 10 <b>Barium - Ba</b> 1 2 3 4 5 6 7 8 9 10 <b>Beryllium - Be</b> 1 2 3 4 5 6 7 8 9 10 <b>Cadmium - Cd</b> 1 2 3 4 5 6 7 8 9 10 <b>Cobalt - Co</b> 1 2 3 4 5 6 7 8 9 10 <b>Chromium - Cr</b> 1 2 3 4 5 6 7 8 9 10 <b>Copper - Cu</b> 1 2 3 4 5 6 7 8 9 10 <b>Iron - Fe</b> 1 2 3 4 5 6 7 8 9 10 <b>Mercury - Hg</b> 1 2 3 4 5 6 7 8 9 10 <b>Lithium - Li</b> 1 2 3 4 5 6 7 8 9 10 <b>Manganese - Mn</b> 1 2 3 4 5 6 7 8 9 10 <b>Molybdenum - Mo</b> 1 2 3 4 5 6 7 8 9 10 <b>Nickel - Ni</b> 1 2 3 4 5 6 7 8 9 10 <b>Lead - Pb</b> 1 2 3 4 5 6 7 8 9 10 <b>Antimony - Sb</b> 1 2 3 4 5 6 7 8 9 10 <b>Selenium - Se</b> 1 2 3 4 5 6 7 8 9 10 <b>Strontium - Sr</b> 1 2 3 4 5 6 7 8 9 10 <b>Titanium - Ti</b> 1 2 3 4 5 6 7 8 9 10 <b>Thallium - Tl</b> 1 2 3 4 5 6 7 8 9 10 <b>Uranium - U</b> 1 2 3 4 5 6 7 8 9 10 <b>Vanadium - V</b> 1 2 3 4 5 6 7 8 9 10 <b>Zinc - Zn</b> 1 2 3 4 5 6 7 8 9 10 <b>Calcium - Ca</b> 1 2 3 4 5 6 7 8 9 10 <b>Potassium - K</b> 1 2 3 4 5 6 7 8 9 10 <b>Magnesium - Mg</b> 1 2 3 4 5 6 7 8 9 10 <b>Sodium - Na</b> 1 2 3 4 5 6 7 8 9 10	<b>GS - General Chemistry</b> Total Cyanide - CN: 1 2 3 4 5 6 7 8 9 10 Available Cyanide - CN: 1 2 3 4 5 6 7 8 9 10 Chem Oxyg Dem - COD: 1 2 3 4 5 6 7 8 9 10 Total Org Carbon - TOC: 1 2 3 4 5 6 7 8 9 10 Kjeldahl Nitrogen - KN: 1 2 3 4 5 6 7 8 9 10 Total Phosphorus - TP: 1 2 3 4 5 6 7 8 9 10

Chain of Custody	Relinquished by	Received By	Date / Time
	Print Name & Org: <b>Jeff Pincumbe - MDEQ</b>	<b>JEFF PINCUMBE MDEQ</b>	<b>8-23-15</b>
	Signature: <i>[Signature]</i>	<i>[Signature]</i>	<b>7:00 PM</b>
	Print Name & Org: <b>Jeff Pincumbe MDEQ</b>	<b>Joshua Pung MDEQ</b>	<b>8/25/15</b>
Signature: <i>[Signature]</i>	<i>[Signature]</i>	<b>1224</b>	
Print Name & Org: <b>Amy Keranen</b>			
Signature: <i>[Signature]</i>			



# Analysis Request Sheet

PEB CH Tamarack City Ops  
Matrix

Lab Work Order Number  
**1508214**

Project Name  
**Abandoned Mining Waste Torch Lake**

**SOIL/SEDIMENT**

Site Code/Project Number  
**31000098**

AV  
**13**

CC Email 1  
**pincumbej**

Project TAT Days

Sample Collector  
**Jeff Pincumbe**

Dapt-Division-District  
**DEQ-RRD-Calumet Field Office**

Index  
**44251**

CC Email 2  
**shireyb@shireyb.com**

Project Due Date

Sample Collector Phone  
**517-335-6418**

State Project Manager  
**Amy Keranen**

PCA  
**30872**

CC Email 3  
**j.binkley@westonsolutions.com**

Accept Analysis hold time codes

Contract Firm  
**Weston Solutions**

State Project Manager Email  
**keranena**

Project  
**456990**

Overflow Lab Choice 1

Contract Firm Primary Contact  
**Jeff Binkley**

State Project Manager Phone  
**906-337-0389**

Phase  
**00**

Overflow Lab Choice 2

Primary Contact Phone  
**906-523-5457**

Lab Use Only	Field Sample Identification	Collection Date	Collection Time	Container Count	Comments
1	11 CHTC-DM04	8-20-15	1550		
2	12 CHTC-SS09 0-6"	↓	1600		
3	13 CHTC-DM03		1605		
4	14 CHTC-SS-10 0-6"		1610		
5	15 CHTC-SS-12 0-6"		1620		
6	16 CHTC-SB40 -12"-18"		8/21/15	1110	
7	17 CHTC-SB40 18"-24"	8/21-15	1115		MeOH Leak
8	18 CHTC-SB43 6"-12"	8/21/15	1220		17
9	19 CHTC-SB43 1-5'	8/21/15	1230		
10	20 CHTC-SB42-6"-12"	8/21/15	1305		

ORGANIC CHEMISTRY	
VOA - Volatile Organic Acidic	1 2 3 4 5 6 7 8 9 10
Volatiles - Full List	1 2 3 4 5 6 7 8 9 10
BTEX/MTBE/TMB only	1 2 3 4 5 6 7 8 9 10
Chlorinated only	1 2 3 4 5 6 7 8 9 10
GRO	1 2 3 4 5 6 7 8 9 10
1,4 Dioxane	1 2 3 4 5 6 7 8 9 10
OS - Pesticides, PCBs	1 2 3 4 5 6 7 8 9 10
Pesticides & PCBs	1 2 3 4 5 6 7 8 9 10
Pesticides only	1 2 3 4 5 6 7 8 9 10
PCBs only	1 2 3 4 5 6 7 8 9 10
Toxaphene	1 2 3 4 5 6 7 8 9 10
BNA - Base Neutral Acids	1 2 3 4 5 6 7 8 9 10
BNAs	1 2 3 4 5 6 7 8 9 10
PNAs only	1 2 3 4 5 6 7 8 9 10
BNs only	1 2 3 4 5 6 7 8 9 10
Organic Specialty Requests	
Library search - Volatiles	1 2 3 4 5 6 7 8 9 10
Library search - Semivol	1 2 3 4 5 6 7 8 9 10
Finger Print	1 2 3 4 5 6 7 8 9 10
DRO / ORO	1 2 3 4 5 6 7 8 9 10

METALS CHEMISTRY PACKAGES	
OpMemo2 - Total	1 2 3 4 5 6 7 8 9 10
(Sb,As,Ba,Be,Cd,Cr,Cu,Co,Fe,Pb,Min,Hg,Mo,Ni,Se,Ag,Tl,V,Zn)	
Michigan20 - Total	1 2 3 4 5 6 7 8 9 10
(As,Ba,Cd,Cr,Cu,Pb,Hg,Se,Ag,Zn)	

MS - TOTAL METALS	
Silver - Ag	1 2 3 4 5 6 7 8 9 10
Aluminum - Al	1 2 3 4 5 6 7 8 9 10
Arsenic - As	1 2 3 4 5 6 7 8 9 10
Barium - Ba	1 2 3 4 5 6 7 8 9 10
Beryllium - Be	1 2 3 4 5 6 7 8 9 10
Cadmium - Cd	1 2 3 4 5 6 7 8 9 10
Cobalt - Co	1 2 3 4 5 6 7 8 9 10
Chromium - Cr	1 2 3 4 5 6 7 8 9 10
Copper - Cu	1 2 3 4 5 6 7 8 9 10
Iron - Fe	1 2 3 4 5 6 7 8 9 10
Mercury - Hg	1 2 3 4 5 6 7 8 9 10
Lithium - Li	1 2 3 4 5 6 7 8 9 10
Manganese - Mn	1 2 3 4 5 6 7 8 9 10
Molybdenum - Mo	1 2 3 4 5 6 7 8 9 10
Nickel - Ni	1 2 3 4 5 6 7 8 9 10
Lead - Pb	1 2 3 4 5 6 7 8 9 10
Antimony - Sb	1 2 3 4 5 6 7 8 9 10
Selenium - Se	1 2 3 4 5 6 7 8 9 10
Strontium - Sr	1 2 3 4 5 6 7 8 9 10
Titanium - Ti	1 2 3 4 5 6 7 8 9 10
Thallium - Tl	1 2 3 4 5 6 7 8 9 10
Uranium - U	1 2 3 4 5 6 7 8 9 10
Vanadium - V	1 2 3 4 5 6 7 8 9 10
Zinc - Zn	1 2 3 4 5 6 7 8 9 10
Calcium - Ca	1 2 3 4 5 6 7 8 9 10
Potassium - K	1 2 3 4 5 6 7 8 9 10
Magnesium - Mg	1 2 3 4 5 6 7 8 9 10
Sodium - Na	1 2 3 4 5 6 7 8 9 10

GENERAL CHEMISTRY	
GS - General Chemistry	1 2 3 4 5 6 7 8 9 10
Total Cyanide - CN	1 2 3 4 5 6 7 8 9 10
Available Cyanide - CN	1 2 3 4 5 6 7 8 9 10
Chem Oxyg Dem - COD	1 2 3 4 5 6 7 8 9 10
Total Org Carbon - TOC	1 2 3 4 5 6 7 8 9 10
Kjeldahl Nitrogen - KN	1 2 3 4 5 6 7 8 9 10
Total Phosphorus - TP	1 2 3 4 5 6 7 8 9 10

Chain of Custody	Relinquished by	Received By	Date / Time
	Print Name & Org: <b>Jeff Pincumbe - MDEQ Amy Keranen</b>	<b>JEFF PINCUMBE MDEQ</b>	<b>8-23-15</b>
	Signature: <i>Amy Keranen</i>	<i>Jeff Pincumbe</i>	<b>7:00am</b>
	Print Name & Org: <b>JEFF PINCUMBE MDEQ</b>	<b>Joshua Pung MDEQ</b>	<b>8/25/15</b>
Signature: <i>Jeff Pincumbe</i>	<i>Joshua R Pung</i>	<b>12:24</b>	
Print Name & Org:			
Signature:			