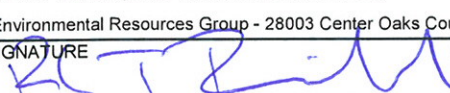


Department of Licensing and Regulatory Affairs, Bureau of Fire Services, Storage Tank Division

P.O. Box 30033, Lansing, MI 48909
Phone 517-241-8847, Fax 517-332-1428

**UNDERGROUND STORAGE TANK SYSTEM SITE ASSESSMENT REPORT AND
CLOSURE OR CHANGE-IN-SERVICE REGISTRATION FORM**

This information is required under Part 211, Underground Storage Tank Regulations, of the Natural Resources and Environmental Protection Act, Act 451 of the Public Acts of 1994, as amended (Act 451) being Sections 324.21101 to 324.21113 of the Michigan Compiled Laws Annotated. Any owner who knowingly fails to notify or submits false information shall be subject to a misdemeanor and/or civil penalties not to exceed \$5000 per violation.

INSTRUCTIONS: For permanent closure and change-in-service, complete all the information on this form and submit with the site assessment analytical results, chain-of-custody which indicates temperature and method of preservation, and site sketch which indicates the location and depths of tanks, piping, and samples. This form must be received within 45 days of the samples being taken. The owner is required to keep a copy of the site assessment report for a minimum of three years. See page 2 of this form for additional information.				FACILITY ID NUMBER 50005754	
I. OWNERSHIP OF TANKS			II. LOCATION OF TANKS		
NAME OF OWNER (CORPORATION, INDIVIDUAL, ETC.) Nortown Community Development			FACILITY NAME OR COMPANY SITE IDENTIFIER Former Arnold Tool		
STREET ADDRESS PO Box 34102			STREET ADDRESS (P.O. BOX NOT ACCEPTABLE) 17676 Mt. Elliott		
CITY Detroit	STATE Michigan	ZIP CODE 48234	CITY Detroit	STATE MI	ZIP CODE 48234
CONTACT PERSON Pat Bosch	EMAIL villagendet@aol.com	AREA CODE & TELEPHONE 313-891-7709	CONTACT PERSON FOR LOCATION Pat Bosch	EAMIL & TELEPHONE with AREA CODE (same as owner)	
III. TANK INFORMATION					
TANK NUMBER	1				
TANK SIZE	4,000-gallon				
SUBSTANCE STORED	unknown				
DATE LAST USED	unknown				
DATE CLOSED	unknown				
REMOVED FROM GROUND	2-1-2018				
CLOSED IN PLACE (INDICATE TYPE OF FILL)					
CHANGE-IN-SERVICE					
OWNER'S NAME		OWNER'S SIGNATURE		DATE	
IV. SUBMITTER INFORMATION					
SUBMITTED BY (COMPANY NAME & ADDRESS) Environmental Resources Group - 28003 Center Oaks Court Ste. 106, Wixom, MI 48393			NAME (INDIVIDUAL) & EMAIL Bob Reichenbach - bob.reichenbach@ergp.net		
SIGNATURE 	DATE March 12, 2018	AREA CODE & TELEPHONE NUMBER 734-476-5933			

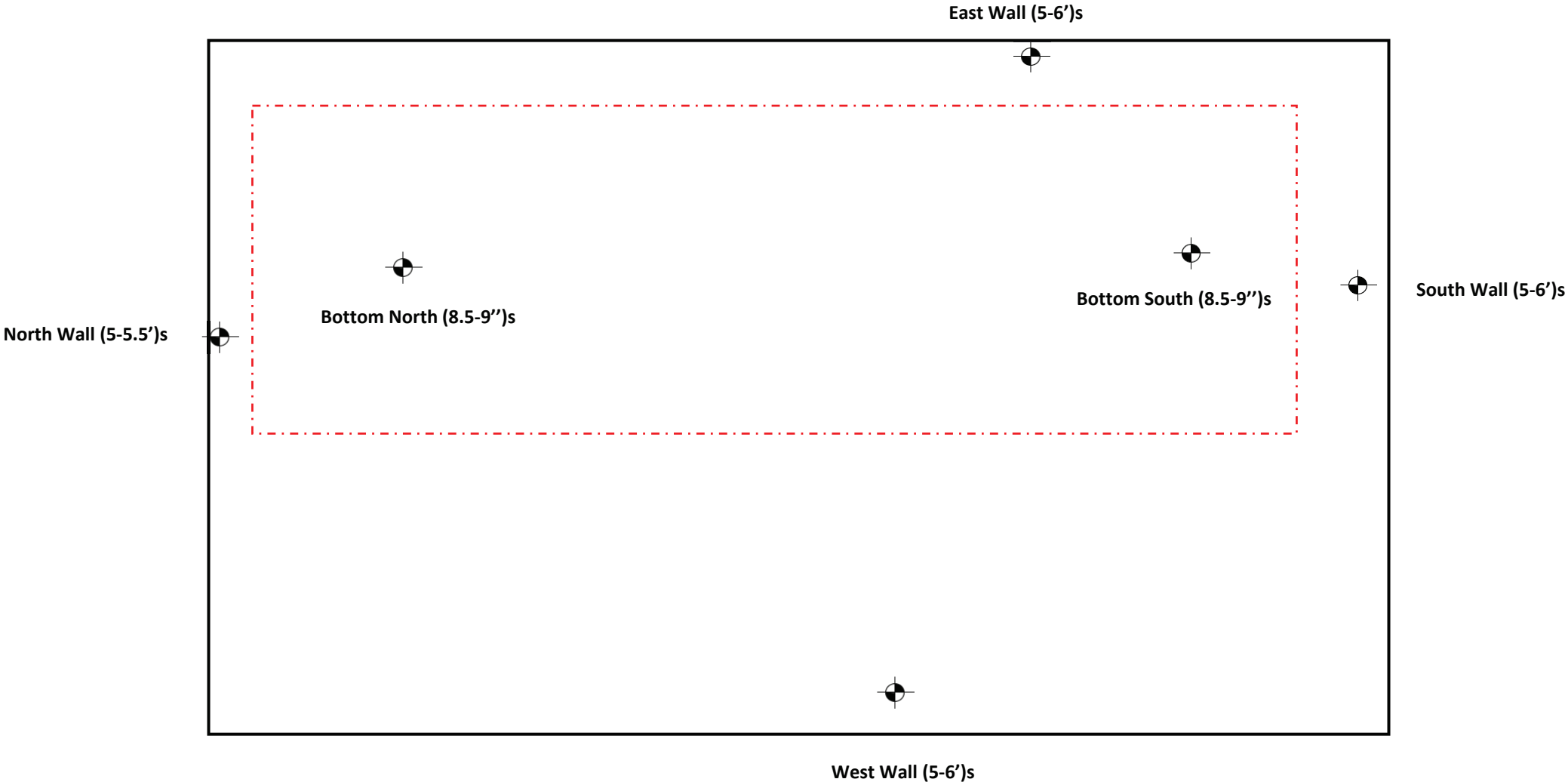
DO NOT WRITE BELOW THIS LINE (FOR BFS OFFICE USE ONLY)

SITE ASSESSMENT REVIEW REPORT

The Storage Tank Division staff has reviewed your site assessment and the following determination has been made:

- ☐ The contamination concentration is below the threshold detection levels, and there is no evidence of a confirmed release.
- ☐ The test methodology or level of detection is faulty. The data submitted is not considered valid. Please perform another site assessment and forward a copy of the results to this office within 45 days.
- ☐ The number of sampling points analyzed are considered inadequate to make a determination of the cleanliness of the site. Please perform another site assessment and forward a copy of the results to this office within 45 days.
- ☐ The contaminant concentrations are greater than the threshold detection levels and there is evidence of a confirmed release. A confirmed release report is being generated. Follow reporting requirements in accordance with 451 PA 1994, Part 213, as amended.
- ☐ The soils excavated and removed from the site were greater than allowable volumes. A confirmed release was not reported to this office within 24 hours per the Michigan Underground Storage Tank Rules (MUSTR) prior to excavation of contaminated soil. A confirmed release report is being generated. Follow reporting requirements in accordance with Part 213 of Act 451.

SIGNATURE OF REVIEWER	DATE OF REVIEW
-----------------------	----------------



LEGEND:

APPROXIMATE EXCAVATION AREA

APPROXIMATE UST LOCATION

SOIL BORING LOCATION



**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL LABORATORY**

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

06 March 2018

Work Order: 1802021

Price: \$1,893.00

Erik Gurshaw

MDEQ-RRD-SE MICHIGAN

27700 Donald Court

Warren, MI 48092

RE: FORMER ARNOLD TOOL

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,

Kirby Shane
Laboratory Director



**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL LABORATORY**

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Lansing, MI 48909
TEL: (517) 335-9800
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MDEQ-RRD-SE MICHIGAN
27700 Donald Court
Warren MI, 48092

Project: FORMER ARNOLD TOOL
Site Code: 50005754
Project Manager: Erik Gurshaw

Reported:
03/06/2018

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Qualifier
NORTH WALL (5-5.5')S	1802021-01	Soil/Sediment	02/02/2018	02/05/2018	
SOUTH WALL (5-6')S	1802021-02	Soil/Sediment	02/02/2018	02/05/2018	
EAST WALL (5-6')S	1802021-03	Soil/Sediment	02/02/2018	02/05/2018	
WEST WALL (5-6')S	1802021-04	Soil/Sediment	02/02/2018	02/05/2018	
BOTTOM NORTH (8.5-9')S	1802021-05	Soil/Sediment	02/02/2018	02/05/2018	
BOTTOM SOUTH (8.5-9')S	1802021-06	Soil/Sediment	02/02/2018	02/05/2018	

Notes and Definitions

Y20	Reporting Limits (RL) raised due to matrix.
Y15	Methanol leaked out of the vial in transit to the lab. Results and reporting limits are estimated.
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.
A11	Result is estimated due to high initial verification standard criteria failure.
A06	Result is estimated due to high continuing calibration standard criteria failure.
A04	Result is estimated due to high matrix spike recovery.
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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TEL: (517) 335-9800
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Client ID: NORTH WALL (5-5.5')S

Lab ID: 1802021-01

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volatiles									
630-20-6	1,1,1,2-Tetrachloroethane	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
71-55-6	1,1,1-Trichloroethane	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
79-00-5	1,1,2-Trichloroethane	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
75-34-3	1,1-Dichloroethane	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
75-35-4	1,1-Dichloroethylene	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	320	ug/kg dry	50	02/06/18	B8B0608	8260	
96-18-4	1,2,3-Trichloropropane	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
120-82-1	1,2,4-Trichlorobenzene	ND	320	ug/kg dry	50	02/06/18	B8B0608	8260	
95-63-6	1,2,4-Trimethylbenzene	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
106-93-4	1,2-Dibromoethane	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
95-50-1	1,2-Dichlorobenzene	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
107-06-2	1,2-Dichloroethane	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
78-87-5	1,2-Dichloropropane	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
108-67-8	1,3,5-Trimethylbenzene	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
541-73-1	1,3-Dichlorobenzene	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
106-46-7	1,4-Dichlorobenzene	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
540-84-1	2,2,4-Trimethylpentane	ND	320	ug/kg dry	50	02/06/18	B8B0608	8260	
78-93-3	2-Butanone (MEK)	ND	320	ug/kg dry	50	02/06/18	B8B0608	8260	
91-57-6	2-Methylnaphthalene	ND	320	ug/kg dry	50	02/06/18	B8B0608	8260	X
67-64-1	2-Propanone (acetone)	ND	1300	ug/kg dry	50	02/06/18	B8B0608	8260	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	320	ug/kg dry	50	02/06/18	B8B0608	8260	
107-13-1	Acrylonitrile	ND	320	ug/kg dry	50	02/06/18	B8B0608	8260	
71-43-2	Benzene	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
74-97-5	Bromochloromethane	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
75-27-4	Bromodichloromethane	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
75-25-2	Bromoform	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
74-83-9	Bromomethane	ND	250	ug/kg dry	50	02/06/18	B8B0608	8260	
75-15-0	Carbon disulfide	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
56-23-5	Carbon tetrachloride	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
108-90-7	Chlorobenzene	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
75-00-3	Chloroethane	ND	320	ug/kg dry	50	02/06/18	B8B0608	8260	
67-66-3	Chloroform	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
74-87-3	Chloromethane	ND	320	ug/kg dry	50	02/06/18	B8B0608	8260	
156-59-2	cis-1,2-Dichloroethylene	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
10061-01-5	cis-1,3-Dichloropropylene	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
110-82-7	Cyclohexane	ND	320	ug/kg dry	50	02/06/18	B8B0608	8260	
124-48-1	Dibromochloromethane	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
74-95-3	Dibromomethane	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	



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ENVIRONMENTAL LABORATORY**

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

**Client ID: NORTH WALL (5-5.5')S
Lab ID: 1802021-01**

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volatiles									
75-71-8	Dichlorodifluoromethane	ND	320	ug/kg dry	50	02/06/18	B8B0608	8260	
60-29-7	Diethyl ether	ND	250	ug/kg dry	50	02/06/18	B8B0608	8260	
108-20-3	Diisopropyl Ether	ND	320	ug/kg dry	50	02/06/18	B8B0608	8260	
100-41-4	Ethylbenzene	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
637-92-3	Ethyltertiarybutylether	ND	320	ug/kg dry	50	02/06/18	B8B0608	8260	
67-72-1	Hexachloroethane	ND	320	ug/kg dry	50	02/06/18	B8B0608	8260	
110-54-3	Hexane	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
98-82-8	Isopropylbenzene	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
1330-20-7	m & p - Xylene	ND	130	ug/kg dry	50	02/06/18	B8B0608	8260	
75-09-2	Methylene chloride	ND	130	ug/kg dry	50	02/06/18	B8B0608	8260	
1634-04-4	Methyltertiarybutylether	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
91-20-3	Naphthalene	ND	320	ug/kg dry	50	02/06/18	B8B0608	8260	X
104-51-8	n-Butylbenzene	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
103-65-1	n-Propylbenzene	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
95-47-6	o-Xylene	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
135-98-8	sec-Butylbenzene	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
100-42-5	Styrene	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
98-06-6	tert-Butylbenzene	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
75-65-0	tertiary Butyl Alcohol	ND	3200	ug/kg dry	50	02/06/18	B8B0608	8260	
994-05-8	tertiaryAmylmethylether	ND	320	ug/kg dry	50	02/06/18	B8B0608	8260	
127-18-4	Tetrachloroethylene	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
109-99-9	Tetrahydrofuran	ND	320	ug/kg dry	50	02/06/18	B8B0608	8260	
108-88-3	Toluene	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
10061-02-6	trans-1,3-Dichloropropylene	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
79-01-6	Trichloroethylene	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
75-69-4	Trichlorofluoromethane	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
75-01-4	Vinyl chloride	ND	64	ug/kg dry	50	02/06/18	B8B0608	8260	
Surrogate: Bromofluorobenzene			107 %	40.3-194		02/06/18	B8B0608	8260	
Surrogate: Dibromofluoromethane			108 %	52.1-217		02/06/18	B8B0608	8260	
Surrogate: Toluene-d8			103 %	55.4-196		02/06/18	B8B0608	8260	



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ENVIRONMENTAL LABORATORY**

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

**Client ID: NORTH WALL (5-5.5')S
Lab ID: 1802021-01**

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Semivolatiles									See note Y20
91-57-6	2-Methylnaphthalene	ND	560	ug/kg dry	1	02/26/18	B8B0701	8270	
83-32-9	Acenaphthene	ND	220	ug/kg dry	1	02/26/18	B8B0701	8270	
208-96-8	Acenaphthylene	ND	220	ug/kg dry	1	02/26/18	B8B0701	8270	
120-12-7	Anthracene	ND	220	ug/kg dry	1	02/26/18	B8B0701	8270	
56-55-3	Benz[a]anthracene	ND	220	ug/kg dry	1	02/26/18	B8B0701	8270	
50-32-8	Benzo[a]pyrene	ND	450	ug/kg dry	1	02/26/18	B8B0701	8270	
205-99-2	Benzo[b]fluoranthene	ND	450	ug/kg dry	1	02/26/18	B8B0701	8270	
191-24-2	Benzo[g,h,i]perylene	ND	450	ug/kg dry	1	02/26/18	B8B0701	8270	
207-08-9	Benzo[k]fluoranthene	ND	450	ug/kg dry	1	02/26/18	B8B0701	8270	
218-01-9	Chrysene	ND	220	ug/kg dry	1	02/26/18	B8B0701	8270	
53-70-3	Dibenz[a,h]anthracene	ND	450	ug/kg dry	1	02/26/18	B8B0701	8270	
206-44-0	Fluoranthene	ND	220	ug/kg dry	1	02/26/18	B8B0701	8270	
86-73-7	Fluorene	ND	220	ug/kg dry	1	02/26/18	B8B0701	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	450	ug/kg dry	1	02/26/18	B8B0701	8270	
91-20-3	Naphthalene	ND	220	ug/kg dry	1	02/26/18	B8B0701	8270	
85-01-8	Phenanthrene	ND	220	ug/kg dry	1	02/26/18	B8B0701	8270	
129-00-0	Pyrene	ND	220	ug/kg dry	1	02/26/18	B8B0701	8270	
Surrogate: 2-Fluorobiphenyl			91.9 %	32.9-115		02/26/18	B8B0701	8270	
Surrogate: Nitrobenzene-d5			90.2 %	31.8-115		02/26/18	B8B0701	8270	
Surrogate: p-Terphenyl-d14			105 %	38.5-115		02/26/18	B8B0701	8270	
Inorganics-General Chemistry									
TS	% Total Solids	89.2	0.1	%	1	02/12/18	B8B1204	2540 B	



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ENVIRONMENTAL LABORATORY**

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

Client ID: SOUTH WALL (5-6')S

Lab ID: 1802021-02

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volatiles									
630-20-6	1,1,1,2-Tetrachloroethane	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
71-55-6	1,1,1-Trichloroethane	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
79-00-5	1,1,2-Trichloroethane	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
75-34-3	1,1-Dichloroethane	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
75-35-4	1,1-Dichloroethylene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
96-18-4	1,2,3-Trichloropropane	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
120-82-1	1,2,4-Trichlorobenzene	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
95-63-6	1,2,4-Trimethylbenzene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
106-93-4	1,2-Dibromoethane	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
95-50-1	1,2-Dichlorobenzene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
107-06-2	1,2-Dichloroethane	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
78-87-5	1,2-Dichloropropane	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
108-67-8	1,3,5-Trimethylbenzene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
541-73-1	1,3-Dichlorobenzene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
106-46-7	1,4-Dichlorobenzene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
540-84-1	2,2,4-Trimethylpentane	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
78-93-3	2-Butanone (MEK)	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
91-57-6	2-Methylnaphthalene	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	X
67-64-1	2-Propanone (acetone)	ND	1200	ug/kg dry	50	02/06/18	B8B0608	8260	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
107-13-1	Acrylonitrile	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
71-43-2	Benzene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
74-97-5	Bromochloromethane	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
75-27-4	Bromodichloromethane	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
75-25-2	Bromoform	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
74-83-9	Bromomethane	ND	250	ug/kg dry	50	02/06/18	B8B0608	8260	
75-15-0	Carbon disulfide	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
56-23-5	Carbon tetrachloride	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
108-90-7	Chlorobenzene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
75-00-3	Chloroethane	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
67-66-3	Chloroform	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
74-87-3	Chloromethane	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
156-59-2	cis-1,2-Dichloroethylene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
10061-01-5	cis-1,3-Dichloropropylene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
110-82-7	Cyclohexane	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
124-48-1	Dibromochloromethane	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
74-95-3	Dibromomethane	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	



**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL LABORATORY**

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

Client ID: SOUTH WALL (5-6')S

Lab ID: 1802021-02

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volatiles									
75-71-8	Dichlorodifluoromethane	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
60-29-7	Diethyl ether	ND	250	ug/kg dry	50	02/06/18	B8B0608	8260	
108-20-3	Diisopropyl Ether	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
100-41-4	Ethylbenzene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
637-92-3	Ethyltertiarybutylether	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
67-72-1	Hexachloroethane	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
110-54-3	Hexane	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
98-82-8	Isopropylbenzene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
1330-20-7	m & p - Xylene	ND	120	ug/kg dry	50	02/06/18	B8B0608	8260	
75-09-2	Methylene chloride	ND	120	ug/kg dry	50	02/06/18	B8B0608	8260	
1634-04-4	Methyltertiarybutylether	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
91-20-3	Naphthalene	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	X
104-51-8	n-Butylbenzene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
103-65-1	n-Propylbenzene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
95-47-6	o-Xylene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
135-98-8	sec-Butylbenzene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
100-42-5	Styrene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
98-06-6	tert-Butylbenzene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
75-65-0	tertiary Butyl Alcohol	ND	3100	ug/kg dry	50	02/06/18	B8B0608	8260	
994-05-8	tertiaryAmylmethylether	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
127-18-4	Tetrachloroethylene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
109-99-9	Tetrahydrofuran	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
108-88-3	Toluene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
10061-02-6	trans-1,3-Dichloropropylene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
79-01-6	Trichloroethylene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
75-69-4	Trichlorofluoromethane	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
75-01-4	Vinyl chloride	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
Surrogate: Bromofluorobenzene			141 %	40.3-194		02/06/18	B8B0608	8260	
Surrogate: Dibromofluoromethane			135 %	52.1-217		02/06/18	B8B0608	8260	
Surrogate: Toluene-d8			132 %	55.4-196		02/06/18	B8B0608	8260	



**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL LABORATORY**

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

Client ID: SOUTH WALL (5-6')S

Lab ID: 1802021-02

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Semivolatiles									See note Y20
91-57-6	2-Methylnaphthalene	ND	550	ug/kg dry	1	02/27/18	B8B0701	8270	
83-32-9	Acenaphthene	ND	220	ug/kg dry	1	02/27/18	B8B0701	8270	
208-96-8	Acenaphthylene	ND	220	ug/kg dry	1	02/27/18	B8B0701	8270	
120-12-7	Anthracene	ND	220	ug/kg dry	1	02/27/18	B8B0701	8270	
56-55-3	Benz[a]anthracene	ND	220	ug/kg dry	1	02/27/18	B8B0701	8270	
50-32-8	Benzo[a]pyrene	ND	440	ug/kg dry	1	02/27/18	B8B0701	8270	
205-99-2	Benzo[b]fluoranthene	ND	440	ug/kg dry	1	02/27/18	B8B0701	8270	
191-24-2	Benzo[g,h,i]perylene	ND	440	ug/kg dry	1	02/27/18	B8B0701	8270	
207-08-9	Benzo[k]fluoranthene	ND	440	ug/kg dry	1	02/27/18	B8B0701	8270	
218-01-9	Chrysene	ND	220	ug/kg dry	1	02/27/18	B8B0701	8270	
53-70-3	Dibenz[a,h]anthracene	ND	440	ug/kg dry	1	02/27/18	B8B0701	8270	
206-44-0	Fluoranthene	ND	220	ug/kg dry	1	02/27/18	B8B0701	8270	
86-73-7	Fluorene	ND	220	ug/kg dry	1	02/27/18	B8B0701	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	440	ug/kg dry	1	02/27/18	B8B0701	8270	
91-20-3	Naphthalene	ND	220	ug/kg dry	1	02/27/18	B8B0701	8270	
85-01-8	Phenanthrene	ND	220	ug/kg dry	1	02/27/18	B8B0701	8270	
129-00-0	Pyrene	ND	220	ug/kg dry	1	02/27/18	B8B0701	8270	
<i>Surrogate: 2-Fluorobiphenyl</i>			87.8 %	32.9-115		02/27/18	B8B0701	8270	
<i>Surrogate: Nitrobenzene-d5</i>			85.0 %	31.8-115		02/27/18	B8B0701	8270	
<i>Surrogate: p-Terphenyl-d14</i>			99.3 %	38.5-115		02/27/18	B8B0701	8270	
Inorganics-General Chemistry									
TS	% Total Solids	90.2	0.1	%	1	02/12/18	B8B1204	2540 B	



**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL LABORATORY**

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

**Client ID: EAST WALL (5-6')S
Lab ID: 1802021-03**

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volatiles									
630-20-6	1,1,1,2-Tetrachloroethane	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
71-55-6	1,1,1-Trichloroethane	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
79-00-5	1,1,2-Trichloroethane	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
75-34-3	1,1-Dichloroethane	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
75-35-4	1,1-Dichloroethylene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	300	ug/kg dry	50	02/06/18	B8B0608	8260	
96-18-4	1,2,3-Trichloropropane	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
120-82-1	1,2,4-Trichlorobenzene	ND	300	ug/kg dry	50	02/06/18	B8B0608	8260	
95-63-6	1,2,4-Trimethylbenzene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
106-93-4	1,2-Dibromoethane	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
95-50-1	1,2-Dichlorobenzene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
107-06-2	1,2-Dichloroethane	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
78-87-5	1,2-Dichloropropane	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
108-67-8	1,3,5-Trimethylbenzene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
541-73-1	1,3-Dichlorobenzene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
106-46-7	1,4-Dichlorobenzene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
540-84-1	2,2,4-Trimethylpentane	ND	300	ug/kg dry	50	02/06/18	B8B0608	8260	
78-93-3	2-Butanone (MEK)	ND	300	ug/kg dry	50	02/06/18	B8B0608	8260	
91-57-6	2-Methylnaphthalene	ND	300	ug/kg dry	50	02/06/18	B8B0608	8260	X
67-64-1	2-Propanone (acetone)	ND	1200	ug/kg dry	50	02/06/18	B8B0608	8260	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	300	ug/kg dry	50	02/06/18	B8B0608	8260	
107-13-1	Acrylonitrile	ND	300	ug/kg dry	50	02/06/18	B8B0608	8260	
71-43-2	Benzene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
74-97-5	Bromochloromethane	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
75-27-4	Bromodichloromethane	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
75-25-2	Bromoform	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
74-83-9	Bromomethane	ND	240	ug/kg dry	50	02/06/18	B8B0608	8260	
75-15-0	Carbon disulfide	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
56-23-5	Carbon tetrachloride	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
108-90-7	Chlorobenzene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
75-00-3	Chloroethane	ND	300	ug/kg dry	50	02/06/18	B8B0608	8260	
67-66-3	Chloroform	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
74-87-3	Chloromethane	ND	300	ug/kg dry	50	02/06/18	B8B0608	8260	
156-59-2	cis-1,2-Dichloroethylene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
10061-01-5	cis-1,3-Dichloropropylene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
110-82-7	Cyclohexane	ND	300	ug/kg dry	50	02/06/18	B8B0608	8260	
124-48-1	Dibromochloromethane	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
74-95-3	Dibromomethane	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	



**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL LABORATORY**

P.O. Box 30270
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TEL: (517) 335-9800
FAX: (517) 335-9600

**Client ID: EAST WALL (5-6')S
Lab ID: 1802021-03**

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volatiles									
75-71-8	Dichlorodifluoromethane	ND	300	ug/kg dry	50	02/06/18	B8B0608	8260	
60-29-7	Diethyl ether	ND	240	ug/kg dry	50	02/06/18	B8B0608	8260	
108-20-3	Diisopropyl Ether	ND	300	ug/kg dry	50	02/06/18	B8B0608	8260	
100-41-4	Ethylbenzene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
637-92-3	Ethyltertiarybutylether	ND	300	ug/kg dry	50	02/06/18	B8B0608	8260	
67-72-1	Hexachloroethane	ND	300	ug/kg dry	50	02/06/18	B8B0608	8260	
110-54-3	Hexane	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
98-82-8	Isopropylbenzene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
1330-20-7	m & p - Xylene	ND	120	ug/kg dry	50	02/06/18	B8B0608	8260	
75-09-2	Methylene chloride	ND	120	ug/kg dry	50	02/06/18	B8B0608	8260	
1634-04-4	Methyltertiarybutylether	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
91-20-3	Naphthalene	ND	300	ug/kg dry	50	02/06/18	B8B0608	8260	X
104-51-8	n-Butylbenzene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
103-65-1	n-Propylbenzene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
95-47-6	o-Xylene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
135-98-8	sec-Butylbenzene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
100-42-5	Styrene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
98-06-6	tert-Butylbenzene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
75-65-0	tertiary Butyl Alcohol	ND	3000	ug/kg dry	50	02/06/18	B8B0608	8260	
994-05-8	tertiaryAmylmethylether	ND	300	ug/kg dry	50	02/06/18	B8B0608	8260	
127-18-4	Tetrachloroethylene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
109-99-9	Tetrahydrofuran	ND	300	ug/kg dry	50	02/06/18	B8B0608	8260	
108-88-3	Toluene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
10061-02-6	trans-1,3-Dichloropropylene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
79-01-6	Trichloroethylene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
75-69-4	Trichlorofluoromethane	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
75-01-4	Vinyl chloride	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
<i>Surrogate: Bromofluorobenzene</i>			<i>125 %</i>	<i>40.3-194</i>		<i>02/06/18</i>	<i>B8B0608</i>	<i>8260</i>	
<i>Surrogate: Dibromofluoromethane</i>			<i>125 %</i>	<i>52.1-217</i>		<i>02/06/18</i>	<i>B8B0608</i>	<i>8260</i>	
<i>Surrogate: Toluene-d8</i>			<i>119 %</i>	<i>55.4-196</i>		<i>02/06/18</i>	<i>B8B0608</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: EAST WALL (5-6')S
Lab ID: 1802021-03**

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Semivolatiles									See note Y20
91-57-6	2-Methylnaphthalene	ND	540	ug/kg dry	1	02/27/18	B8B0701	8270	
83-32-9	Acenaphthene	ND	220	ug/kg dry	1	02/27/18	B8B0701	8270	
208-96-8	Acenaphthylene	ND	220	ug/kg dry	1	02/27/18	B8B0701	8270	
120-12-7	Anthracene	ND	220	ug/kg dry	1	02/27/18	B8B0701	8270	
56-55-3	Benz[a]anthracene	ND	220	ug/kg dry	1	02/27/18	B8B0701	8270	
50-32-8	Benzo[a]pyrene	ND	430	ug/kg dry	1	02/27/18	B8B0701	8270	
205-99-2	Benzo[b]fluoranthene	ND	430	ug/kg dry	1	02/27/18	B8B0701	8270	
191-24-2	Benzo[g,h,i]perylene	ND	430	ug/kg dry	1	02/27/18	B8B0701	8270	
207-08-9	Benzo[k]fluoranthene	ND	430	ug/kg dry	1	02/27/18	B8B0701	8270	
218-01-9	Chrysene	ND	220	ug/kg dry	1	02/27/18	B8B0701	8270	
53-70-3	Dibenz[a,h]anthracene	ND	430	ug/kg dry	1	02/27/18	B8B0701	8270	
206-44-0	Fluoranthene	ND	220	ug/kg dry	1	02/27/18	B8B0701	8270	
86-73-7	Fluorene	ND	220	ug/kg dry	1	02/27/18	B8B0701	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	430	ug/kg dry	1	02/27/18	B8B0701	8270	
91-20-3	Naphthalene	ND	220	ug/kg dry	1	02/27/18	B8B0701	8270	
85-01-8	Phenanthrene	ND	220	ug/kg dry	1	02/27/18	B8B0701	8270	
129-00-0	Pyrene	ND	220	ug/kg dry	1	02/27/18	B8B0701	8270	
<i>Surrogate: 2-Fluorobiphenyl</i>			71.5 %		32.9-115	02/27/18	B8B0701	8270	
<i>Surrogate: Nitrobenzene-d5</i>			66.2 %		31.8-115	02/27/18	B8B0701	8270	
<i>Surrogate: p-Terphenyl-d14</i>			85.6 %		38.5-115	02/27/18	B8B0701	8270	
Inorganics-General Chemistry									
TS	% Total Solids	92.2	0.1	%	1	02/12/18	B8B1204	2540 B	



**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL LABORATORY**

P.O. Box 30270
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TEL: (517) 335-9800
FAX: (517) 335-9600

**Client ID: WEST WALL (5-6')S
Lab ID: 1802021-04**

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volatiles									
630-20-6	1,1,1,2-Tetrachloroethane	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
71-55-6	1,1,1-Trichloroethane	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
79-00-5	1,1,2-Trichloroethane	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
75-34-3	1,1-Dichloroethane	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
75-35-4	1,1-Dichloroethylene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	300	ug/kg dry	50	02/06/18	B8B0608	8260	
96-18-4	1,2,3-Trichloropropane	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
120-82-1	1,2,4-Trichlorobenzene	ND	300	ug/kg dry	50	02/06/18	B8B0608	8260	
95-63-6	1,2,4-Trimethylbenzene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
106-93-4	1,2-Dibromoethane	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
95-50-1	1,2-Dichlorobenzene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
107-06-2	1,2-Dichloroethane	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
78-87-5	1,2-Dichloropropane	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
108-67-8	1,3,5-Trimethylbenzene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
541-73-1	1,3-Dichlorobenzene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
106-46-7	1,4-Dichlorobenzene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
540-84-1	2,2,4-Trimethylpentane	ND	300	ug/kg dry	50	02/06/18	B8B0608	8260	
78-93-3	2-Butanone (MEK)	ND	300	ug/kg dry	50	02/06/18	B8B0608	8260	
91-57-6	2-Methylnaphthalene	ND	300	ug/kg dry	50	02/06/18	B8B0608	8260	X
67-64-1	2-Propanone (acetone)	ND	1200	ug/kg dry	50	02/06/18	B8B0608	8260	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	300	ug/kg dry	50	02/06/18	B8B0608	8260	
107-13-1	Acrylonitrile	ND	300	ug/kg dry	50	02/06/18	B8B0608	8260	
71-43-2	Benzene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
74-97-5	Bromochloromethane	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
75-27-4	Bromodichloromethane	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
75-25-2	Bromoform	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
74-83-9	Bromomethane	ND	240	ug/kg dry	50	02/06/18	B8B0608	8260	
75-15-0	Carbon disulfide	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
56-23-5	Carbon tetrachloride	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
108-90-7	Chlorobenzene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
75-00-3	Chloroethane	ND	300	ug/kg dry	50	02/06/18	B8B0608	8260	
67-66-3	Chloroform	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
74-87-3	Chloromethane	ND	300	ug/kg dry	50	02/06/18	B8B0608	8260	
156-59-2	cis-1,2-Dichloroethylene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
10061-01-5	cis-1,3-Dichloropropylene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
110-82-7	Cyclohexane	ND	300	ug/kg dry	50	02/06/18	B8B0608	8260	
124-48-1	Dibromochloromethane	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
74-95-3	Dibromomethane	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	



**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL LABORATORY**

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

**Client ID: WEST WALL (5-6')S
Lab ID: 1802021-04**

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volatiles									
75-71-8	Dichlorodifluoromethane	ND	300	ug/kg dry	50	02/06/18	B8B0608	8260	
60-29-7	Diethyl ether	ND	240	ug/kg dry	50	02/06/18	B8B0608	8260	
108-20-3	Diisopropyl Ether	ND	300	ug/kg dry	50	02/06/18	B8B0608	8260	
100-41-4	Ethylbenzene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
637-92-3	Ethyltertiarybutylether	ND	300	ug/kg dry	50	02/06/18	B8B0608	8260	
67-72-1	Hexachloroethane	ND	300	ug/kg dry	50	02/06/18	B8B0608	8260	
110-54-3	Hexane	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
98-82-8	Isopropylbenzene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
1330-20-7	m & p - Xylene	ND	120	ug/kg dry	50	02/06/18	B8B0608	8260	
75-09-2	Methylene chloride	ND	120	ug/kg dry	50	02/06/18	B8B0608	8260	
1634-04-4	Methyltertiarybutylether	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
91-20-3	Naphthalene	ND	300	ug/kg dry	50	02/06/18	B8B0608	8260	X
104-51-8	n-Butylbenzene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
103-65-1	n-Propylbenzene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
95-47-6	o-Xylene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
135-98-8	sec-Butylbenzene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
100-42-5	Styrene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
98-06-6	tert-Butylbenzene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
75-65-0	tertiary Butyl Alcohol	ND	3000	ug/kg dry	50	02/06/18	B8B0608	8260	
994-05-8	tertiaryAmylmethylether	ND	300	ug/kg dry	50	02/06/18	B8B0608	8260	
127-18-4	Tetrachloroethylene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
109-99-9	Tetrahydrofuran	ND	300	ug/kg dry	50	02/06/18	B8B0608	8260	
108-88-3	Toluene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
10061-02-6	trans-1,3-Dichloropropylene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
79-01-6	Trichloroethylene	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
75-69-4	Trichlorofluoromethane	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
75-01-4	Vinyl chloride	ND	60	ug/kg dry	50	02/06/18	B8B0608	8260	
<i>Surrogate: Bromofluorobenzene</i>			<i>114 %</i>	<i>40.3-194</i>		<i>02/06/18</i>	<i>B8B0608</i>	<i>8260</i>	
<i>Surrogate: Dibromofluoromethane</i>			<i>110 %</i>	<i>52.1-217</i>		<i>02/06/18</i>	<i>B8B0608</i>	<i>8260</i>	
<i>Surrogate: Toluene-d8</i>			<i>109 %</i>	<i>55.4-196</i>		<i>02/06/18</i>	<i>B8B0608</i>	<i>8260</i>	



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

**Client ID: WEST WALL (5-6')S
Lab ID: 1802021-04**

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Semivolatiles									See note Y20
91-57-6	2-Methylnaphthalene	ND	550	ug/kg dry	1	02/27/18	B8B0801	8270	
83-32-9	Acenaphthene	ND	220	ug/kg dry	1	02/27/18	B8B0801	8270	
208-96-8	Acenaphthylene	ND	220	ug/kg dry	1	02/27/18	B8B0801	8270	
120-12-7	Anthracene	ND	220	ug/kg dry	1	02/27/18	B8B0801	8270	
56-55-3	Benz[a]anthracene	ND	220	ug/kg dry	1	02/27/18	B8B0801	8270	
50-32-8	Benzo[a]pyrene	ND	440	ug/kg dry	1	02/27/18	B8B0801	8270	
205-99-2	Benzo[b]fluoranthene	ND	440	ug/kg dry	1	02/27/18	B8B0801	8270	
191-24-2	Benzo[g,h,i]perylene	ND	440	ug/kg dry	1	02/27/18	B8B0801	8270	
207-08-9	Benzo[k]fluoranthene	ND	440	ug/kg dry	1	02/27/18	B8B0801	8270	
218-01-9	Chrysene	ND	220	ug/kg dry	1	02/27/18	B8B0801	8270	
53-70-3	Dibenz[a,h]anthracene	ND	440	ug/kg dry	1	02/27/18	B8B0801	8270	
206-44-0	Fluoranthene	ND	220	ug/kg dry	1	02/27/18	B8B0801	8270	
86-73-7	Fluorene	ND	220	ug/kg dry	1	02/27/18	B8B0801	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	440	ug/kg dry	1	02/27/18	B8B0801	8270	
91-20-3	Naphthalene	ND	220	ug/kg dry	1	02/27/18	B8B0801	8270	
85-01-8	Phenanthrene	ND	220	ug/kg dry	1	02/27/18	B8B0801	8270	
129-00-0	Pyrene	ND	220	ug/kg dry	1	02/27/18	B8B0801	8270	
Surrogate: 2-Fluorobiphenyl			89.1 %	32.9-115		02/27/18	B8B0801	8270	
Surrogate: Nitrobenzene-d5			82.8 %	31.8-115		02/27/18	B8B0801	8270	
Surrogate: p-Terphenyl-d14			100 %	38.5-115		02/27/18	B8B0801	8270	
Inorganics-General Chemistry									
TS	% Total Solids	90.5	0.1	%	1	02/12/18	B8B1204	2540 B	



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P.O. Box 30270
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TEL: (517) 335-9800
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**Client ID: BOTTOM NORTH (8.5-9')S
Lab ID: 1802021-05**

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volatiles									
630-20-6	1,1,1,2-Tetrachloroethane	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
71-55-6	1,1,1-Trichloroethane	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
79-00-5	1,1,2-Trichloroethane	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
75-34-3	1,1-Dichloroethane	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
75-35-4	1,1-Dichloroethylene	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
96-18-4	1,2,3-Trichloropropane	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
120-82-1	1,2,4-Trichlorobenzene	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
95-63-6	1,2,4-Trimethylbenzene	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
106-93-4	1,2-Dibromoethane	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
95-50-1	1,2-Dichlorobenzene	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
107-06-2	1,2-Dichloroethane	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
78-87-5	1,2-Dichloropropane	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
108-67-8	1,3,5-Trimethylbenzene	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
541-73-1	1,3-Dichlorobenzene	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
106-46-7	1,4-Dichlorobenzene	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
540-84-1	2,2,4-Trimethylpentane	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
78-93-3	2-Butanone (MEK)	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
91-57-6	2-Methylnaphthalene	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	X
67-64-1	2-Propanone (acetone)	ND	1300	ug/kg dry	50	02/06/18	B8B0608	8260	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
107-13-1	Acrylonitrile	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
71-43-2	Benzene	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
74-97-5	Bromochloromethane	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
75-27-4	Bromodichloromethane	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
75-25-2	Bromoform	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
74-83-9	Bromomethane	ND	250	ug/kg dry	50	02/06/18	B8B0608	8260	
75-15-0	Carbon disulfide	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
56-23-5	Carbon tetrachloride	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
108-90-7	Chlorobenzene	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
75-00-3	Chloroethane	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
67-66-3	Chloroform	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
74-87-3	Chloromethane	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
156-59-2	cis-1,2-Dichloroethylene	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
10061-01-5	cis-1,3-Dichloropropylene	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
110-82-7	Cyclohexane	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
124-48-1	Dibromochloromethane	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
74-95-3	Dibromomethane	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	



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**Client ID: BOTTOM NORTH (8.5-9')S
Lab ID: 1802021-05**

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volatiles									
75-71-8	Dichlorodifluoromethane	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
60-29-7	Diethyl ether	ND	250	ug/kg dry	50	02/06/18	B8B0608	8260	
108-20-3	Diisopropyl Ether	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
100-41-4	Ethylbenzene	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
637-92-3	Ethyltertiarybutylether	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
67-72-1	Hexachloroethane	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
110-54-3	Hexane	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
98-82-8	Isopropylbenzene	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
1330-20-7	m & p - Xylene	ND	130	ug/kg dry	50	02/06/18	B8B0608	8260	
75-09-2	Methylene chloride	ND	130	ug/kg dry	50	02/06/18	B8B0608	8260	
1634-04-4	Methyltertiarybutylether	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
91-20-3	Naphthalene	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	X
104-51-8	n-Butylbenzene	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
103-65-1	n-Propylbenzene	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
95-47-6	o-Xylene	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
135-98-8	sec-Butylbenzene	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
100-42-5	Styrene	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
98-06-6	tert-Butylbenzene	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
75-65-0	tertiary Butyl Alcohol	ND	3100	ug/kg dry	50	02/06/18	B8B0608	8260	
994-05-8	tertiaryAmylmethylether	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
127-18-4	Tetrachloroethylene	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
109-99-9	Tetrahydrofuran	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
108-88-3	Toluene	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
10061-02-6	trans-1,3-Dichloropropylene	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
79-01-6	Trichloroethylene	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
75-69-4	Trichlorofluoromethane	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
75-01-4	Vinyl chloride	ND	63	ug/kg dry	50	02/06/18	B8B0608	8260	
Surrogate: Bromofluorobenzene			112 %	40.3-194		02/06/18	B8B0608	8260	
Surrogate: Dibromofluoromethane			111 %	52.1-217		02/06/18	B8B0608	8260	
Surrogate: Toluene-d8			108 %	55.4-196		02/06/18	B8B0608	8260	



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**Client ID: BOTTOM NORTH (8.5-9')S
Lab ID: 1802021-05**

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Semivolatiles									See note Y20
91-57-6	2-Methylnaphthalene	ND	560	ug/kg dry	1	02/28/18	B8B0801	8270	
83-32-9	Acenaphthene	ND	230	ug/kg dry	1	02/28/18	B8B0801	8270	
208-96-8	Acenaphthylene	ND	230	ug/kg dry	1	02/28/18	B8B0801	8270	
120-12-7	Anthracene	ND	230	ug/kg dry	1	02/28/18	B8B0801	8270	
56-55-3	Benz[a]anthracene	ND	230	ug/kg dry	1	02/28/18	B8B0801	8270	
50-32-8	Benzo[a]pyrene	ND	450	ug/kg dry	1	02/28/18	B8B0801	8270	
205-99-2	Benzo[b]fluoranthene	ND	450	ug/kg dry	1	02/28/18	B8B0801	8270	
191-24-2	Benzo[g,h,i]perylene	ND	450	ug/kg dry	1	02/28/18	B8B0801	8270	
207-08-9	Benzo[k]fluoranthene	ND	450	ug/kg dry	1	02/28/18	B8B0801	8270	
218-01-9	Chrysene	ND	230	ug/kg dry	1	02/28/18	B8B0801	8270	
53-70-3	Dibenz[a,h]anthracene	ND	450	ug/kg dry	1	02/28/18	B8B0801	8270	
206-44-0	Fluoranthene	ND	230	ug/kg dry	1	02/28/18	B8B0801	8270	
86-73-7	Fluorene	ND	230	ug/kg dry	1	02/28/18	B8B0801	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	450	ug/kg dry	1	02/28/18	B8B0801	8270	
91-20-3	Naphthalene	ND	230	ug/kg dry	1	02/28/18	B8B0801	8270	
85-01-8	Phenanthrene	ND	230	ug/kg dry	1	02/28/18	B8B0801	8270	
129-00-0	Pyrene	ND	230	ug/kg dry	1	02/28/18	B8B0801	8270	
Surrogate: 2-Fluorobiphenyl			82.8 %	32.9-115		02/28/18	B8B0801	8270	
Surrogate: Nitrobenzene-d5			75.6 %	31.8-115		02/28/18	B8B0801	8270	
Surrogate: p-Terphenyl-d14			99.3 %	38.5-115		02/28/18	B8B0801	8270	
Inorganics-General Chemistry									
TS	% Total Solids	88.8	0.1	%	1	02/12/18	B8B1204	2540 B	



**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL LABORATORY**

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**Client ID: BOTTOM SOUTH (8.5-9')S
Lab ID: 1802021-06**

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volatiles									See note Y15
630-20-6	1,1,1,2-Tetrachloroethane	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
71-55-6	1,1,1-Trichloroethane	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
79-00-5	1,1,2-Trichloroethane	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
75-34-3	1,1-Dichloroethane	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
75-35-4	1,1-Dichloroethylene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
96-18-4	1,2,3-Trichloropropane	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
120-82-1	1,2,4-Trichlorobenzene	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
95-63-6	1,2,4-Trimethylbenzene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
106-93-4	1,2-Dibromoethane	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
95-50-1	1,2-Dichlorobenzene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
107-06-2	1,2-Dichloroethane	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
78-87-5	1,2-Dichloropropane	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
108-67-8	1,3,5-Trimethylbenzene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
541-73-1	1,3-Dichlorobenzene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
106-46-7	1,4-Dichlorobenzene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
540-84-1	2,2,4-Trimethylpentane	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
78-93-3	2-Butanone (MEK)	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
91-57-6	2-Methylnaphthalene	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	X
67-64-1	2-Propanone (acetone)	ND	1200	ug/kg dry	50	02/06/18	B8B0608	8260	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
107-13-1	Acrylonitrile	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
71-43-2	Benzene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
74-97-5	Bromochloromethane	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
75-27-4	Bromodichloromethane	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
75-25-2	Bromoform	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
74-83-9	Bromomethane	ND	250	ug/kg dry	50	02/06/18	B8B0608	8260	
75-15-0	Carbon disulfide	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
56-23-5	Carbon tetrachloride	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
108-90-7	Chlorobenzene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
75-00-3	Chloroethane	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
67-66-3	Chloroform	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
74-87-3	Chloromethane	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
156-59-2	cis-1,2-Dichloroethylene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
10061-01-5	cis-1,3-Dichloropropylene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
110-82-7	Cyclohexane	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
124-48-1	Dibromochloromethane	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
74-95-3	Dibromomethane	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	



**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL LABORATORY**

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

**Client ID: BOTTOM SOUTH (8.5-9')S
Lab ID: 1802021-06**

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volatiles									See note Y15
75-71-8	Dichlorodifluoromethane	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
60-29-7	Diethyl ether	ND	250	ug/kg dry	50	02/06/18	B8B0608	8260	
108-20-3	Diisopropyl Ether	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
100-41-4	Ethylbenzene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
637-92-3	Ethyltertiarybutylether	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
67-72-1	Hexachloroethane	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
110-54-3	Hexane	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
98-82-8	Isopropylbenzene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
1330-20-7	m & p - Xylene	ND	120	ug/kg dry	50	02/06/18	B8B0608	8260	
75-09-2	Methylene chloride	ND	120	ug/kg dry	50	02/06/18	B8B0608	8260	
1634-04-4	Methyltertiarybutylether	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
91-20-3	Naphthalene	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	X
104-51-8	n-Butylbenzene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
103-65-1	n-Propylbenzene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
95-47-6	o-Xylene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
135-98-8	sec-Butylbenzene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
100-42-5	Styrene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
98-06-6	tert-Butylbenzene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
75-65-0	tertiary Butyl Alcohol	ND	3100	ug/kg dry	50	02/06/18	B8B0608	8260	
994-05-8	tertiaryAmylmethylether	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
127-18-4	Tetrachloroethylene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
109-99-9	Tetrahydrofuran	ND	310	ug/kg dry	50	02/06/18	B8B0608	8260	
108-88-3	Toluene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
10061-02-6	trans-1,3-Dichloropropylene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
79-01-6	Trichloroethylene	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
75-69-4	Trichlorofluoromethane	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
75-01-4	Vinyl chloride	ND	62	ug/kg dry	50	02/06/18	B8B0608	8260	
<i>Surrogate: Bromofluorobenzene</i>			<i>124 %</i>	<i>40.3-194</i>		<i>02/06/18</i>	<i>B8B0608</i>	<i>8260</i>	
<i>Surrogate: Dibromofluoromethane</i>			<i>120 %</i>	<i>52.1-217</i>		<i>02/06/18</i>	<i>B8B0608</i>	<i>8260</i>	
<i>Surrogate: Toluene-d8</i>			<i>117 %</i>	<i>55.4-196</i>		<i>02/06/18</i>	<i>B8B0608</i>	<i>8260</i>	



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TEL: (517) 335-9800
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**Client ID: BOTTOM SOUTH (8.5-9')S
Lab ID: 1802021-06**

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Semivolatiles									See note Y20
91-57-6	2-Methylnaphthalene	ND	560	ug/kg dry	1	02/28/18	B8B0801	8270	
83-32-9	Acenaphthene	ND	220	ug/kg dry	1	02/28/18	B8B0801	8270	
208-96-8	Acenaphthylene	ND	220	ug/kg dry	1	02/28/18	B8B0801	8270	
120-12-7	Anthracene	ND	220	ug/kg dry	1	02/28/18	B8B0801	8270	
56-55-3	Benz[a]anthracene	ND	220	ug/kg dry	1	02/28/18	B8B0801	8270	
50-32-8	Benzo[a]pyrene	ND	450	ug/kg dry	1	02/28/18	B8B0801	8270	
205-99-2	Benzo[b]fluoranthene	ND	450	ug/kg dry	1	02/28/18	B8B0801	8270	
191-24-2	Benzo[g,h,i]perylene	ND	450	ug/kg dry	1	02/28/18	B8B0801	8270	
207-08-9	Benzo[k]fluoranthene	ND	450	ug/kg dry	1	02/28/18	B8B0801	8270	
218-01-9	Chrysene	ND	220	ug/kg dry	1	02/28/18	B8B0801	8270	
53-70-3	Dibenz[a,h]anthracene	ND	450	ug/kg dry	1	02/28/18	B8B0801	8270	
206-44-0	Fluoranthene	ND	220	ug/kg dry	1	02/28/18	B8B0801	8270	
86-73-7	Fluorene	ND	220	ug/kg dry	1	02/28/18	B8B0801	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	450	ug/kg dry	1	02/28/18	B8B0801	8270	
91-20-3	Naphthalene	ND	220	ug/kg dry	1	02/28/18	B8B0801	8270	
85-01-8	Phenanthrene	ND	220	ug/kg dry	1	02/28/18	B8B0801	8270	
129-00-0	Pyrene	ND	220	ug/kg dry	1	02/28/18	B8B0801	8270	
<i>Surrogate: 2-Fluorobiphenyl</i>			86.5 %	32.9-115		02/28/18	B8B0801	8270	
<i>Surrogate: Nitrobenzene-d5</i>			79.0 %	31.8-115		02/28/18	B8B0801	8270	
<i>Surrogate: p-Terphenyl-d14</i>			101 %	38.5-115		02/28/18	B8B0801	8270	
Inorganics-General Chemistry									
TS	% Total Solids	88.9	0.1	%	1	02/12/18	B8B1204	2540 B	



Analysis Request Sheet

Lab Work Order Number

Project Name

Matrix

1802021

Former Arnold Tool

SOIL/SEDIMENT

Site Code/Project Number

AY

CC Email 1

Project TAT Days

Sample Collector

Facility# 50005754

Index

Bob.Reichenbach@ergrp.net

Project Due Date

Christina Schroeder

Dept-Division-District

PCA

CC Email 2

Sample Collector Phone

RRD

Project

CC Email 3

Accept Analysis hold time codes

248-820-1952

State Project Manager

Phase

Overflow Lab Choice 1

Contract Firm

Erik Gurshaw

Overflow Lab Choice 2

Fibertec

Contract Firm Primary Contact

State Project Manager Email

Primary Contact Phone

gurshawe@michigan.gov

Bob Reichenbach

State Project Manager Phone

248-773-7986

586-753-3810

Lab Use Only	Field Sample Identification	Collection Date	Collection Time	Container Count	Comments
1	01 North Wall (5-5.5')S	2-2-18	13:15	2	
2	02 South Wall (5-6')S	2-2-18	14:30	2	
3	03 East Wall (5-6')S	2-2-18	13:30	2	
4	04 West Wall (5-6')S	2-2-18	14:15	2	
5	05 Bottom North (8.5-9')S	2-2-18	13:45	2	
6	06 Bottom South (8.5-9')S	2-2-18	14:00	2	
7					
8					
9					
10					

ORGANIC CHEMISTRY	METALS CHEMISTRY PACKAGES	MS - TOTAL METALS	GENERAL CHEMISTRY
VOA - Volatile Organic Acids 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 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 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 - 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	OpMemo2 - Total 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,Ti,V,Zn) Michigan10 - Total 1 2 3 4 5 6 7 8 9 10 (As,Ba,Cd,Cr,Cu,Pb,Hg,Se,Ag,Zn)	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	GS - General Chemistry 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.	Christina Schroeder / ERG	Nicole Hardigan	2/5/18
Signature:	C.C. Schroeder	Nicole Hardigan	1530
Print Name & Org.			
Signature:			
Print Name & Org.			
Signature:			