

Emergency Discharges / Spills should be reported via the 24-Hour Hotline: 1-800-943-0003

Notice: Hazardous substance discharges must be reported immediately according to s. 292.11 Wis. Stats. Non-emergency hazardous substance discharges may be reported by telefaxing or e-mailing a completed report to the Department, or calling or visiting a Department office in person. If you choose to notify the Department by telefax or by email, you should use this form to be sure that all necessary information is included. However, use of this form is not mandatory. Under s. 292.99, Wis. Stats., the penalty for violating the reporting requirements of ch. 292 Wis. Stats., shall be no less than \$10 nor more than \$5000 for each violation. Each day of continued violation is a separate offense. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than program administration. However, information submitted on this form may also be made available to requesters under Wisconsin's Open Records Law (ss. 19.31 – 19.39, Wis. Stats.).

Confirmatory laboratory data should be included with this form, to assist the DNR in processing this Hazardous Substance Release Notification.

Complete this form. **TYPE or PRINT LEGIBLY.** NOTIFY appropriate DNR region (see next page) **IMMEDIATELY** upon discovery of a potential release from (**check one**):

- Underground Petroleum Storage Tank System (additional information may be required for Item 6 below)
- Aboveground Petroleum Storage Tank System
- Dry Cleaner Facility
- Other - Describe: historical dry cleaner

ATTN DNR: **R & R Program Associate**

Date DNR Notified: 01/04/2019

1. Discharge Reported By

Name Frank Dombrowski	Firm We Energies	Phone Number (include area code) (414) 221-2156
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Mailing Address 333 W. Everett Street, A231, Milwaukee, WI 53203	Email frank.dombrowski@wecenergygroup.com
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2. Site Information

Name of site at which discharge occurred. Include local name of site/business, not responsible party name, unless a residence/vacant property.

Metro North Service Center

Location: Include street address, not PO Box. If no street address, describe as precisely as possible, i.e., 1/4 mile NW of CTHs 60 & 123 on E side of CTH 60.

3100 West North Avenue

Municipality: (City, Village, Township) Specify municipality in which the site is located, not mailing address/city.

Milwaukee

County Milwaukee	Legal Description: SW ¼ of SE ¼ Section 13, Town 07 N, Range 21 <input checked="" type="radio"/> E <input type="radio"/> W	WTM: X 686666 Y 289599
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3. Responsible Party (RP) and/or RP Representative

Responsible Party Name: Business or owner name that is responsible for cleanup. If more than one, list all. Attach additional pages as necessary.

Wisconsin Electric Power Company (d.b.a. We Energies)

A local governmental unit claiming an exemption from state Spill Law and Solid Waste Management responsibilities for the discharge being reported, per Wis. Stat. §§ 292.11(9)(e) and 292.23, should: 1) check this box; 2) review [DNR publication RR-055](#); and 3) provide documentation to DNR that demonstrates compliance with the statutory requirements of the liability exemptions. Local governmental units may also request a fee-based liability clarification letter from DNR by using [DNR Form 4400-237](#).

Contact Person Name (if different) Frank Dombrowski	Phone Number (414) 221-2156	Email frank.dombrowski@wecenergygroup.com	
Mailing Address 333 W. Everett Street, A231	City Milwaukee	State WI	ZIP Code 53203

Responsible Party Name: Business or owner name that is responsible for cleanup. If more than one, list all. Attach additional pages as necessary.

Wisconsin Electric Power Company (d.b.a. We Energies)

Contact Person Name (if different) Frank Dombrowski	Phone Number (414) 221-2156	Email frank.dombrowski@wecenergygroup.com	
Mailing Address 333 W. Everett Street, A231, Milwaukee, WI 53203	City Milwaukee	State WI	ZIP Code 53203

(continued)

Notification For Hazardous Substance Discharge (Non-Emergency Only)

4. Hazardous Substance Information

Identify hazardous substance discharged (check all that apply):

- | | | |
|---|--|---|
| <input checked="" type="checkbox"/> VOCs
<input checked="" type="checkbox"/> PCE
<input type="checkbox"/> TCE
<input type="checkbox"/> Other Chlorinated
<input type="checkbox"/> Diesel
<input type="checkbox"/> Fuel Oil
<input type="checkbox"/> Gasoline
<input type="checkbox"/> Hydraulic Oil
<input type="checkbox"/> Jet Fuel | <i>(VOCs continued)</i>
<input type="checkbox"/> Mineral Oil
<input type="checkbox"/> Waste Oil
<input type="checkbox"/> Petroleum-Unknown Type
<input type="checkbox"/> PAHs
<input type="checkbox"/> PCBs
<input type="checkbox"/> Cyanide
<input type="checkbox"/> Leachate
<input type="checkbox"/> Manure | <input type="checkbox"/> Metals
<input type="checkbox"/> Arsenic
<input type="checkbox"/> Chromium
<input type="checkbox"/> Lead
<input type="checkbox"/> Other: _____
<input type="checkbox"/> Pesticides: _____
<input type="checkbox"/> Fertilizer: _____
<input type="checkbox"/> RCRA Hazardous Waste: _____
<input type="checkbox"/> Other: _____
<input type="checkbox"/> Unknown |
|---|--|---|

5. Impacts to the Environment Information

Enter "K" for known/confirmed or "P" for potential for all that apply.

- | | | |
|--|---|--|
| <input type="checkbox"/> Air Contamination | <input type="checkbox"/> Fire Explosion Threat | <input checked="" type="checkbox"/> Soil Contamination |
| <input type="checkbox"/> Co-mingled (Petroleum & Non-Petroleum) | <input type="checkbox"/> Free Product | <input type="checkbox"/> Soil Gas Contamination |
| <input type="checkbox"/> Contamination in Fractured Bedrock | <input checked="" type="checkbox"/> Groundwater Contamination | <input type="checkbox"/> Sub-slab Vapor Contamination |
| <input type="checkbox"/> Contamination Within 1 Meter of Bedrock | <input type="checkbox"/> Off-Site Contamination | <input type="checkbox"/> Surface Water Contamination |
| <input type="checkbox"/> Contaminated Private Well | <input type="checkbox"/> Sanitary Sewer Contamination | <input type="checkbox"/> Within 100 ft of Private Well |
| <input type="checkbox"/> Contaminated Public Well | <input type="checkbox"/> Storm Sewer Contamination | <input type="checkbox"/> Within 1000 ft of Public Well |
| <input type="checkbox"/> Contamination in Right of Way | <input type="checkbox"/> Sediment Contamination | |
| Other (specify): _____ | | |

Contamination was discovered as a result of:

- | | | |
|--|--|---|
| <input type="checkbox"/> Tank closure assessment | <input type="checkbox"/> Site assessment | <input checked="" type="checkbox"/> Other - Describe: <u>subsurface investigation (see additional comments)</u> |
| Date <input type="text"/> | Date <input type="text"/> | Date <input type="text" value="12/27/2018"/> |

Lab results: Lab results will be faxed upon receipt Lab results are attached

Additional Comments: Include a brief description of immediate actions taken to halt the release and contain or cleanup hazardous substances that have been discharged.

PCE soil and groundwater impacts detected during subsurface investigation for potential building expansion. Historical Sanborn Fire Insurance Maps revealed the presence of a historical dry cleaner in area of the detected PCE impacts.

6. Federal Energy Act Requirements (Section 9002(d) of the Solid Waste Disposal Act (SWDA))

	Source	Cause
For all confirmed releases from USTs occurring after 9/30/2007 please provide the following information: <input checked="" type="checkbox"/> Does not apply.	<input type="checkbox"/> Tank <input type="checkbox"/> Piping <input type="checkbox"/> Dispenser <input type="checkbox"/> Submersible Turbine Pump <input type="checkbox"/> Delivery Problem <input type="checkbox"/> Other (specify): _____	<input type="checkbox"/> Spill <input type="checkbox"/> Overfill <input type="checkbox"/> Corrosion <input type="checkbox"/> Physical or Mechanical Damage <input type="checkbox"/> Installation Problem <input type="checkbox"/> Other (does not fit any of above) <input type="checkbox"/> Unknown

Contact information to report non-emergency releases in DNR's five regions are as follows:

- Northeast Region (FAX: 920-662-5413); Attention -- R&R Program Associate:** DNRRRNER@wisconsin.gov
 Brown, Calumet, Door, Fond du Lac (except City of Waupun - see South Central Region), Green Lake, Kewaunee, Manitowoc, Marinette, Marquette, Menominee, Oconto, Outagamie, Shawano, Sheboygan, Waupaca, Waushara, Winnebago counties
- Northern Region (FAX: 715-623-6773); Attention -- R&R Program Associate:** DNRRRNOR@wisconsin.gov
 Ashland, Barron, Bayfield, Burnett, Douglas, Forest, Florence, Iron, Langlade, Lincoln, Oneida, Polk, Price, Rusk, Sawyer, Taylor, Vilas, Washburn counties
- South Central Region (FAX: 608-273-5610); Attention -- R&R Program Associate:** DNRRRSCR@wisconsin.gov
 Columbia, Dane, Dodge, Fond du Lac (City of Waupun only), Grant, Green, Iowa, Jefferson, Lafayette, Richland, Rock, Sauk, Walworth counties
- Southeast Region (FAX: 414-263-8550); Attention -- R&R Program Associate:** DNRRRSER@wisconsin.gov
 Kenosha, Milwaukee, Ozaukee, Racine, Washington, Waukesha counties

Notification For Hazardous Substance Discharge (Non-Emergency Only)

Frank Dombrowski We Energies

Form 4400-225 (R 06/17)

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West Central Region (FAX: 715-839-6076); Attention -- R&R Program Associate: DNRRRWCR@wisconsin.gov

Adams, Buffalo, Chippewa, Clark, Crawford, Dunn, Eau Claire, Jackson, Juneau, LaCrosse, Marathon, Monroe, Pepin, Pierce, Portage, St. Croix, Trempealeau, Vernon, Wood counties

December 19, 2018

Dave Zolp
GEOSYNTEC CONSULTANTS
10600 North Port Washington Rd
Suite 100
Thiensville, WI 53092

RE: Project: CHE80940Q MVSC SI
Pace Project No.: 40181059

Dear Dave Zolp:

Enclosed are the analytical results for sample(s) received by the laboratory on December 14, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Brian Basten
brian.basten@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: WE Energies Lab Reports, WE Energies



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: CHE80940Q MVSC SI

Pace Project No.: 40181059

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: CHE80940Q MVSC SI

Pace Project No.: 40181059

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40181059001	GPTW-05	Water	12/12/18 13:10	12/14/18 15:30
40181059002	GPTW-08	Water	12/12/18 13:20	12/14/18 15:30
40181059003	GPTW-14	Water	12/13/18 09:40	12/14/18 15:30
40181059004	TRIP BLANK	Water	12/13/18 00:00	12/14/18 15:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: CHE80940Q MVSC SI

Pace Project No.: 40181059

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40181059001	GPTW-05	EPA 8260	LAP	64
40181059002	GPTW-08	EPA 8260	LAP	64
40181059003	GPTW-14	EPA 8260	LAP	64
40181059004	TRIP BLANK	EPA 8260	LAP	64

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CHE80940Q MVSC SI

Pace Project No.: 40181059

Sample: GPTW-05 **Lab ID: 40181059001** Collected: 12/12/18 13:10 Received: 12/14/18 15:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<49.3	ug/L	200	49.3	200		12/18/18 20:57	71-43-2	
Bromobenzene	<48.2	ug/L	200	48.2	200		12/18/18 20:57	108-86-1	
Bromochloromethane	<72.4	ug/L	1000	72.4	200		12/18/18 20:57	74-97-5	
Bromodichloromethane	<72.7	ug/L	242	72.7	200		12/18/18 20:57	75-27-4	
Bromoform	<794	ug/L	2650	794	200		12/18/18 20:57	75-25-2	
Bromomethane	<194	ug/L	1000	194	200		12/18/18 20:57	74-83-9	
n-Butylbenzene	<142	ug/L	472	142	200		12/18/18 20:57	104-51-8	
sec-Butylbenzene	<170	ug/L	1000	170	200		12/18/18 20:57	135-98-8	
tert-Butylbenzene	<60.8	ug/L	203	60.8	200		12/18/18 20:57	98-06-6	
Carbon tetrachloride	<33.2	ug/L	200	33.2	200		12/18/18 20:57	56-23-5	
Chlorobenzene	<142	ug/L	474	142	200		12/18/18 20:57	108-90-7	
Chloroethane	<268	ug/L	1000	268	200		12/18/18 20:57	75-00-3	
Chloroform	<255	ug/L	1000	255	200		12/18/18 20:57	67-66-3	
Chloromethane	<438	ug/L	1460	438	200		12/18/18 20:57	74-87-3	
2-Chlorotoluene	<185	ug/L	1000	185	200		12/18/18 20:57	95-49-8	
4-Chlorotoluene	<151	ug/L	504	151	200		12/18/18 20:57	106-43-4	
1,2-Dibromo-3-chloropropane	<353	ug/L	1180	353	200		12/18/18 20:57	96-12-8	
Dibromochloromethane	<520	ug/L	1730	520	200		12/18/18 20:57	124-48-1	
1,2-Dibromoethane (EDB)	<166	ug/L	553	166	200		12/18/18 20:57	106-93-4	
Dibromomethane	<187	ug/L	625	187	200		12/18/18 20:57	74-95-3	
1,2-Dichlorobenzene	<141	ug/L	470	141	200		12/18/18 20:57	95-50-1	
1,3-Dichlorobenzene	<126	ug/L	419	126	200		12/18/18 20:57	541-73-1	
1,4-Dichlorobenzene	<189	ug/L	629	189	200		12/18/18 20:57	106-46-7	
Dichlorodifluoromethane	<99.9	ug/L	1000	99.9	200		12/18/18 20:57	75-71-8	
1,1-Dichloroethane	<54.5	ug/L	200	54.5	200		12/18/18 20:57	75-34-3	
1,2-Dichloroethane	<56.0	ug/L	200	56.0	200		12/18/18 20:57	107-06-2	
1,1-Dichloroethene	<49.0	ug/L	200	49.0	200		12/18/18 20:57	75-35-4	
cis-1,2-Dichloroethene	<54.2	ug/L	200	54.2	200		12/18/18 20:57	156-59-2	
trans-1,2-Dichloroethene	<218	ug/L	727	218	200		12/18/18 20:57	156-60-5	
1,2-Dichloropropane	<56.6	ug/L	200	56.6	200		12/18/18 20:57	78-87-5	
1,3-Dichloropropane	<165	ug/L	551	165	200		12/18/18 20:57	142-28-9	
2,2-Dichloropropane	<453	ug/L	1510	453	200		12/18/18 20:57	594-20-7	
1,1-Dichloropropene	<108	ug/L	360	108	200		12/18/18 20:57	563-58-6	
cis-1,3-Dichloropropene	<726	ug/L	2420	726	200		12/18/18 20:57	10061-01-5	
trans-1,3-Dichloropropene	<874	ug/L	2910	874	200		12/18/18 20:57	10061-02-6	
Diisopropyl ether	<378	ug/L	1260	378	200		12/18/18 20:57	108-20-3	
Ethylbenzene	<43.6	ug/L	200	43.6	200		12/18/18 20:57	100-41-4	
Hexachloro-1,3-butadiene	<236	ug/L	1000	236	200		12/18/18 20:57	87-68-3	
Isopropylbenzene (Cumene)	<78.6	ug/L	1000	78.6	200		12/18/18 20:57	98-82-8	
p-Isopropyltoluene	<160	ug/L	533	160	200		12/18/18 20:57	99-87-6	
Methylene Chloride	<116	ug/L	1000	116	200		12/18/18 20:57	75-09-2	
Methyl-tert-butyl ether	<249	ug/L	831	249	200		12/18/18 20:57	1634-04-4	
Naphthalene	<235	ug/L	1000	235	200		12/18/18 20:57	91-20-3	
n-Propylbenzene	<162	ug/L	1000	162	200		12/18/18 20:57	103-65-1	
Styrene	<93.1	ug/L	310	93.1	200		12/18/18 20:57	100-42-5	
1,1,1,2-Tetrachloroethane	<53.8	ug/L	200	53.8	200		12/18/18 20:57	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CHE80940Q MVSC SI

Pace Project No.: 40181059

Sample: GPTW-05 **Lab ID: 40181059001** Collected: 12/12/18 13:10 Received: 12/14/18 15:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<55.1	ug/L	200	55.1	200		12/18/18 20:57	79-34-5	
Tetrachloroethene	201000	ug/L	2180	653	2000		12/19/18 09:19	127-18-4	HS
Toluene	<34.4	ug/L	1000	34.4	200		12/18/18 20:57	108-88-3	
1,2,3-Trichlorobenzene	<125	ug/L	1000	125	200		12/18/18 20:57	87-61-6	
1,2,4-Trichlorobenzene	<190	ug/L	1000	190	200		12/18/18 20:57	120-82-1	
1,1,1-Trichloroethane	<49.0	ug/L	200	49.0	200		12/18/18 20:57	71-55-6	
1,1,2-Trichloroethane	<110	ug/L	1000	110	200		12/18/18 20:57	79-00-5	
Trichloroethene	69.7J	ug/L	200	51.0	200		12/18/18 20:57	79-01-6	
Trichlorofluoromethane	<43.0	ug/L	200	43.0	200		12/18/18 20:57	75-69-4	
1,2,3-Trichloropropane	<118	ug/L	1000	118	200		12/18/18 20:57	96-18-4	
1,2,4-Trimethylbenzene	<168	ug/L	560	168	200		12/18/18 20:57	95-63-6	
1,3,5-Trimethylbenzene	<175	ug/L	582	175	200		12/18/18 20:57	108-67-8	
Vinyl chloride	<34.9	ug/L	200	34.9	200		12/18/18 20:57	75-01-4	
m&p-Xylene	<93.1	ug/L	400	93.1	200		12/18/18 20:57	179601-23-1	
o-Xylene	<52.4	ug/L	200	52.4	200		12/18/18 20:57	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		200		12/18/18 20:57	460-00-4	pH
Dibromofluoromethane (S)	102	%	70-130		200		12/18/18 20:57	1868-53-7	
Toluene-d8 (S)	98	%	70-130		200		12/18/18 20:57	2037-26-5	

Sample: GPTW-08 **Lab ID: 40181059002** Collected: 12/12/18 13:20 Received: 12/14/18 15:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	0.29J	ug/L	1.0	0.25	1		12/19/18 08:56	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		12/19/18 08:56	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		12/19/18 08:56	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		12/19/18 08:56	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		12/19/18 08:56	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		12/19/18 08:56	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		12/19/18 08:56	104-51-8	
sec-Butylbenzene	1.4J	ug/L	5.0	0.85	1		12/19/18 08:56	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		12/19/18 08:56	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		12/19/18 08:56	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		12/19/18 08:56	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		12/19/18 08:56	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		12/19/18 08:56	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		12/19/18 08:56	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		12/19/18 08:56	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		12/19/18 08:56	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		12/19/18 08:56	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		12/19/18 08:56	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		12/19/18 08:56	106-93-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CHE80940Q MVSC SI

Pace Project No.: 40181059

Sample: GPTW-08 **Lab ID: 40181059002** Collected: 12/12/18 13:20 Received: 12/14/18 15:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Dibromomethane	<0.94	ug/L	3.1	0.94	1		12/19/18 08:56	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		12/19/18 08:56	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		12/19/18 08:56	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		12/19/18 08:56	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		12/19/18 08:56	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		12/19/18 08:56	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		12/19/18 08:56	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		12/19/18 08:56	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		12/19/18 08:56	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		12/19/18 08:56	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		12/19/18 08:56	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		12/19/18 08:56	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		12/19/18 08:56	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		12/19/18 08:56	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		12/19/18 08:56	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		12/19/18 08:56	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		12/19/18 08:56	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		12/19/18 08:56	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		12/19/18 08:56	87-68-3	
Isopropylbenzene (Cumene)	0.91J	ug/L	5.0	0.39	1		12/19/18 08:56	98-82-8	
p-Isopropyltoluene	2.3J	ug/L	2.7	0.80	1		12/19/18 08:56	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		12/19/18 08:56	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		12/19/18 08:56	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		12/19/18 08:56	91-20-3	
n-Propylbenzene	0.98J	ug/L	5.0	0.81	1		12/19/18 08:56	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		12/19/18 08:56	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		12/19/18 08:56	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		12/19/18 08:56	79-34-5	
Tetrachloroethene	2.9	ug/L	1.1	0.33	1		12/19/18 08:56	127-18-4	
Toluene	0.38J	ug/L	5.0	0.17	1		12/19/18 08:56	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		12/19/18 08:56	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		12/19/18 08:56	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		12/19/18 08:56	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		12/19/18 08:56	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		12/19/18 08:56	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		12/19/18 08:56	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		12/19/18 08:56	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		12/19/18 08:56	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		12/19/18 08:56	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		12/19/18 08:56	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		12/19/18 08:56	179601-23-1	
o-Xylene	0.39J	ug/L	1.0	0.26	1		12/19/18 08:56	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		12/19/18 08:56	460-00-4	HS,pH
Dibromofluoromethane (S)	108	%	70-130		1		12/19/18 08:56	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/19/18 08:56	2037-26-5	

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ANALYTICAL RESULTS

Project: CHE80940Q MVSC SI

Pace Project No.: 40181059

Sample: GPTW-14 **Lab ID: 40181059003** Collected: 12/13/18 09:40 Received: 12/14/18 15:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.25	ug/L	1.0	0.25	1		12/18/18 19:26	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		12/18/18 19:26	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		12/18/18 19:26	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		12/18/18 19:26	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		12/18/18 19:26	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		12/18/18 19:26	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		12/18/18 19:26	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		12/18/18 19:26	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		12/18/18 19:26	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		12/18/18 19:26	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		12/18/18 19:26	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		12/18/18 19:26	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		12/18/18 19:26	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		12/18/18 19:26	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		12/18/18 19:26	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		12/18/18 19:26	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		12/18/18 19:26	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		12/18/18 19:26	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		12/18/18 19:26	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		12/18/18 19:26	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		12/18/18 19:26	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		12/18/18 19:26	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		12/18/18 19:26	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		12/18/18 19:26	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		12/18/18 19:26	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		12/18/18 19:26	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		12/18/18 19:26	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		12/18/18 19:26	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		12/18/18 19:26	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		12/18/18 19:26	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		12/18/18 19:26	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		12/18/18 19:26	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		12/18/18 19:26	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		12/18/18 19:26	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		12/18/18 19:26	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		12/18/18 19:26	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		12/18/18 19:26	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		12/18/18 19:26	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		12/18/18 19:26	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		12/18/18 19:26	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		12/18/18 19:26	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		12/18/18 19:26	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		12/18/18 19:26	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		12/18/18 19:26	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		12/18/18 19:26	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		12/18/18 19:26	630-20-6	

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ANALYTICAL RESULTS

Project: CHE80940Q MVSC SI

Pace Project No.: 40181059

Sample: GPTW-14 **Lab ID: 40181059003** Collected: 12/13/18 09:40 Received: 12/14/18 15:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		12/18/18 19:26	79-34-5	
Tetrachloroethene	2.1	ug/L	1.1	0.33	1		12/18/18 19:26	127-18-4	
Toluene	0.37J	ug/L	5.0	0.17	1		12/18/18 19:26	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		12/18/18 19:26	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		12/18/18 19:26	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		12/18/18 19:26	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		12/18/18 19:26	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		12/18/18 19:26	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		12/18/18 19:26	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		12/18/18 19:26	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		12/18/18 19:26	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		12/18/18 19:26	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		12/18/18 19:26	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		12/18/18 19:26	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		12/18/18 19:26	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/18/18 19:26	460-00-4	
Dibromofluoromethane (S)	111	%	70-130		1		12/18/18 19:26	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/18/18 19:26	2037-26-5	

Sample: TRIP BLANK **Lab ID: 40181059004** Collected: 12/13/18 00:00 Received: 12/14/18 15:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.25	ug/L	1.0	0.25	1		12/18/18 13:49	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		12/18/18 13:49	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		12/18/18 13:49	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		12/18/18 13:49	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		12/18/18 13:49	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		12/18/18 13:49	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		12/18/18 13:49	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		12/18/18 13:49	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		12/18/18 13:49	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		12/18/18 13:49	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		12/18/18 13:49	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		12/18/18 13:49	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		12/18/18 13:49	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		12/18/18 13:49	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		12/18/18 13:49	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		12/18/18 13:49	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		12/18/18 13:49	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		12/18/18 13:49	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		12/18/18 13:49	106-93-4	

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ANALYTICAL RESULTS

Project: CHE80940Q MVSC SI

Pace Project No.: 40181059

Sample: TRIP BLANK **Lab ID: 40181059004** Collected: 12/13/18 00:00 Received: 12/14/18 15:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Dibromomethane	<0.94	ug/L	3.1	0.94	1		12/18/18 13:49	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		12/18/18 13:49	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		12/18/18 13:49	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		12/18/18 13:49	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		12/18/18 13:49	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		12/18/18 13:49	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		12/18/18 13:49	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		12/18/18 13:49	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		12/18/18 13:49	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		12/18/18 13:49	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		12/18/18 13:49	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		12/18/18 13:49	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		12/18/18 13:49	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		12/18/18 13:49	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		12/18/18 13:49	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		12/18/18 13:49	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		12/18/18 13:49	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		12/18/18 13:49	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		12/18/18 13:49	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		12/18/18 13:49	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		12/18/18 13:49	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		12/18/18 13:49	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		12/18/18 13:49	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		12/18/18 13:49	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		12/18/18 13:49	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		12/18/18 13:49	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		12/18/18 13:49	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		12/18/18 13:49	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		12/18/18 13:49	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		12/18/18 13:49	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		12/18/18 13:49	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		12/18/18 13:49	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		12/18/18 13:49	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		12/18/18 13:49	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		12/18/18 13:49	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		12/18/18 13:49	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		12/18/18 13:49	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		12/18/18 13:49	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		12/18/18 13:49	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		12/18/18 13:49	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		12/18/18 13:49	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		12/18/18 13:49	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		12/18/18 13:49	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		12/18/18 13:49	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		12/18/18 13:49	2037-26-5	

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QUALITY CONTROL DATA

Project: CHE80940Q MVSC SI

Pace Project No.: 40181059

QC Batch: 309441 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40181059001, 40181059002, 40181059003, 40181059004

METHOD BLANK: 1807742 Matrix: Water
Associated Lab Samples: 40181059001, 40181059002, 40181059003, 40181059004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	12/18/18 11:57	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	12/18/18 11:57	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	12/18/18 11:57	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	12/18/18 11:57	
1,1-Dichloroethane	ug/L	<0.27	1.0	12/18/18 11:57	
1,1-Dichloroethene	ug/L	<0.24	1.0	12/18/18 11:57	
1,1-Dichloropropene	ug/L	<0.54	1.8	12/18/18 11:57	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	12/18/18 11:57	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	12/18/18 11:57	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	12/18/18 11:57	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	12/18/18 11:57	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	12/18/18 11:57	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	12/18/18 11:57	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	12/18/18 11:57	
1,2-Dichloroethane	ug/L	<0.28	1.0	12/18/18 11:57	
1,2-Dichloropropane	ug/L	<0.28	1.0	12/18/18 11:57	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	12/18/18 11:57	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	12/18/18 11:57	
1,3-Dichloropropane	ug/L	<0.83	2.8	12/18/18 11:57	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	12/18/18 11:57	
2,2-Dichloropropane	ug/L	<2.3	7.6	12/18/18 11:57	
2-Chlorotoluene	ug/L	<0.93	5.0	12/18/18 11:57	
4-Chlorotoluene	ug/L	<0.76	2.5	12/18/18 11:57	
Benzene	ug/L	<0.25	1.0	12/18/18 11:57	
Bromobenzene	ug/L	<0.24	1.0	12/18/18 11:57	
Bromochloromethane	ug/L	<0.36	5.0	12/18/18 11:57	
Bromodichloromethane	ug/L	<0.36	1.2	12/18/18 11:57	
Bromoform	ug/L	<4.0	13.2	12/18/18 11:57	
Bromomethane	ug/L	<0.97	5.0	12/18/18 11:57	
Carbon tetrachloride	ug/L	<0.17	1.0	12/18/18 11:57	
Chlorobenzene	ug/L	<0.71	2.4	12/18/18 11:57	
Chloroethane	ug/L	<1.3	5.0	12/18/18 11:57	
Chloroform	ug/L	<1.3	5.0	12/18/18 11:57	
Chloromethane	ug/L	<2.2	7.3	12/18/18 11:57	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	12/18/18 11:57	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	12/18/18 11:57	
Dibromochloromethane	ug/L	<2.6	8.7	12/18/18 11:57	
Dibromomethane	ug/L	<0.94	3.1	12/18/18 11:57	
Dichlorodifluoromethane	ug/L	<0.50	5.0	12/18/18 11:57	
Diisopropyl ether	ug/L	<1.9	6.3	12/18/18 11:57	
Ethylbenzene	ug/L	<0.22	1.0	12/18/18 11:57	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CHE80940Q MVSC SI

Pace Project No.: 40181059

METHOD BLANK: 1807742

Matrix: Water

Associated Lab Samples: 40181059001, 40181059002, 40181059003, 40181059004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	12/18/18 11:57	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	12/18/18 11:57	
m&p-Xylene	ug/L	<0.47	2.0	12/18/18 11:57	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	12/18/18 11:57	
Methylene Chloride	ug/L	<0.58	5.0	12/18/18 11:57	
n-Butylbenzene	ug/L	<0.71	2.4	12/18/18 11:57	
n-Propylbenzene	ug/L	<0.81	5.0	12/18/18 11:57	
Naphthalene	ug/L	<1.2	5.0	12/18/18 11:57	
o-Xylene	ug/L	<0.26	1.0	12/18/18 11:57	
p-Isopropyltoluene	ug/L	<0.80	2.7	12/18/18 11:57	
sec-Butylbenzene	ug/L	<0.85	5.0	12/18/18 11:57	
Styrene	ug/L	<0.47	1.6	12/18/18 11:57	
tert-Butylbenzene	ug/L	<0.30	1.0	12/18/18 11:57	
Tetrachloroethene	ug/L	<0.33	1.1	12/18/18 11:57	
Toluene	ug/L	<0.17	5.0	12/18/18 11:57	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	12/18/18 11:57	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	12/18/18 11:57	
Trichloroethene	ug/L	<0.26	1.0	12/18/18 11:57	
Trichlorofluoromethane	ug/L	<0.21	1.0	12/18/18 11:57	
Vinyl chloride	ug/L	<0.17	1.0	12/18/18 11:57	
4-Bromofluorobenzene (S)	%	91	70-130	12/18/18 11:57	
Dibromofluoromethane (S)	%	104	70-130	12/18/18 11:57	
Toluene-d8 (S)	%	95	70-130	12/18/18 11:57	

LABORATORY CONTROL SAMPLE: 1807743

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.7	101	70-133	
1,1,2,2-Tetrachloroethane	ug/L	50	51.6	103	67-130	
1,1,2-Trichloroethane	ug/L	50	53.4	107	70-130	
1,1-Dichloroethane	ug/L	50	54.6	109	70-134	
1,1-Dichloroethene	ug/L	50	55.0	110	75-132	
1,2,4-Trichlorobenzene	ug/L	50	56.1	112	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	48.4	97	60-126	
1,2-Dibromoethane (EDB)	ug/L	50	55.8	112	70-130	
1,2-Dichlorobenzene	ug/L	50	54.1	108	70-130	
1,2-Dichloroethane	ug/L	50	54.4	109	73-134	
1,2-Dichloropropane	ug/L	50	53.6	107	79-128	
1,3-Dichlorobenzene	ug/L	50	54.9	110	70-130	
1,4-Dichlorobenzene	ug/L	50	54.9	110	70-130	
Benzene	ug/L	50	54.8	110	69-137	
Bromodichloromethane	ug/L	50	55.5	111	70-130	
Bromoform	ug/L	50	48.0	96	64-133	
Bromomethane	ug/L	50	54.9	110	29-123	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CHE80940Q MVSC SI

Pace Project No.: 40181059

LABORATORY CONTROL SAMPLE: 1807743

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	55.9	112	73-142	
Chlorobenzene	ug/L	50	55.2	110	70-130	
Chloroethane	ug/L	50	50.1	100	59-133	
Chloroform	ug/L	50	55.0	110	80-129	
Chloromethane	ug/L	50	42.5	85	27-125	
cis-1,2-Dichloroethene	ug/L	50	52.3	105	70-134	
cis-1,3-Dichloropropene	ug/L	50	52.9	106	70-130	
Dibromochloromethane	ug/L	50	56.1	112	70-130	
Dichlorodifluoromethane	ug/L	50	40.8	82	12-127	
Ethylbenzene	ug/L	50	58.6	117	86-127	
Isopropylbenzene (Cumene)	ug/L	50	60.3	121	70-130	
m&p-Xylene	ug/L	100	116	116	70-131	
Methyl-tert-butyl ether	ug/L	50	48.1	96	65-136	
Methylene Chloride	ug/L	50	51.9	104	72-133	
o-Xylene	ug/L	50	56.6	113	70-130	
Styrene	ug/L	50	59.0	118	70-130	
Tetrachloroethene	ug/L	50	57.9	116	70-130	
Toluene	ug/L	50	57.7	115	84-124	
trans-1,2-Dichloroethene	ug/L	50	50.7	101	70-133	
trans-1,3-Dichloropropene	ug/L	50	58.3	117	67-130	
Trichloroethene	ug/L	50	56.2	112	70-130	
Trichlorofluoromethane	ug/L	50	56.5	113	69-147	
Vinyl chloride	ug/L	50	45.9	92	48-134	
4-Bromofluorobenzene (S)	%			100	70-130	
Dibromofluoromethane (S)	%			100	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1808030 1808031

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40181128002 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1-Trichloroethane	ug/L	<0.24	50	50	52.6	52.0	105	104	70-136	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	54.6	51.6	109	103	67-133	5	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	52.3	50.1	105	100	70-130	4	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	52.1	53.5	104	107	70-139	3	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	52.7	53.1	105	106	72-137	1	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	57.0	54.6	114	109	68-130	4	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	49.6	48.8	99	98	60-130	2	21	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	55.7	52.9	111	106	70-130	5	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	54.7	53.0	109	106	70-130	3	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	53.3	51.9	107	104	71-137	3	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	53.8	51.1	108	102	78-130	5	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	54.8	52.6	110	105	70-130	4	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	56.3	52.9	113	106	70-130	6	20	

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QUALITY CONTROL DATA

Project: CHE80940Q MVSC SI

Pace Project No.: 40181059

Parameter	Units	1808030		1808031		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40181128002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Benzene	ug/L	<0.25	50	50	53.1	53.6	106	107	66-143	1	20	
Bromodichloromethane	ug/L	<0.36	50	50	55.7	53.0	111	106	70-130	5	20	
Bromoform	ug/L	<4.0	50	50	49.1	47.4	98	95	64-134	4	20	
Bromomethane	ug/L	<0.97	50	50	58.1	63.5	116	127	29-136	9	25	
Carbon tetrachloride	ug/L	<0.17	50	50	53.0	55.2	106	110	73-142	4	20	
Chlorobenzene	ug/L	<0.71	50	50	54.9	52.1	110	104	70-130	5	20	
Chloroethane	ug/L	<1.3	50	50	50.1	49.8	100	100	58-138	1	20	
Chloroform	ug/L	<1.3	50	50	54.8	55.9	110	112	80-131	2	20	
Chloromethane	ug/L	<2.2	50	50	40.8	37.9	82	76	24-125	8	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	50.4	49.8	101	100	68-137	1	22	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	55.3	51.1	111	102	70-130	8	20	
Dibromochloromethane	ug/L	<2.6	50	50	54.8	51.8	110	104	70-131	6	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	39.5	39.5	79	79	10-127	0	20	
Ethylbenzene	ug/L	<0.22	50	50	57.0	54.0	114	108	81-136	5	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	58.5	55.3	117	111	70-132	6	20	
m&p-Xylene	ug/L	<0.47	100	100	111	106	111	106	70-135	5	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	49.8	47.9	100	96	58-142	4	23	
Methylene Chloride	ug/L	<0.58	50	50	52.4	51.1	105	102	69-137	2	20	
o-Xylene	ug/L	<0.26	50	50	56.6	53.7	113	107	70-132	5	20	
Styrene	ug/L	<0.47	50	50	58.0	55.3	116	111	70-130	5	20	
Tetrachloroethene	ug/L	<0.33	50	50	55.1	53.4	110	107	70-132	3	20	
Toluene	ug/L	<0.17	50	50	57.3	54.7	115	109	81-130	5	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	50.2	51.8	100	104	70-136	3	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	56.2	54.5	112	109	67-130	3	20	
Trichloroethene	ug/L	<0.26	50	50	55.0	51.7	110	103	70-131	6	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	54.4	55.6	109	111	66-150	2	20	
Vinyl chloride	ug/L	<0.17	50	50	44.5	43.8	89	88	46-134	2	20	
4-Bromofluorobenzene (S)	%						98	95	70-130			
Dibromofluoromethane (S)	%						100	98	70-130			
Toluene-d8 (S)	%						101	102	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: CHE80940Q MVSC SI

Pace Project No.: 40181059

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

pH Post-analysis pH measurement indicates insufficient VOA sample preservation.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CHE80940Q MVSC SI

Pace Project No.: 40181059

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40181059001	GPTW-05	EPA 8260	309441		
40181059002	GPTW-08	EPA 8260	309441		
40181059003	GPTW-14	EPA 8260	309441		
40181059004	TRIP BLANK	EPA 8260	309441		

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(Please Print Clearly)

UPPER MIDWEST REGION

Page 1 of 1

Page 17 of 19



MN: 612-607-1700 WI: 920-469-2436

40181059

Company Name: Geosyntec
 Branch/Location: Mequon
 Project Contact: D. Zolp
 Phone: 262-496-6103
 Project Number: CHE80940Q
 Project Name: MAISC SI
 Project State: WI
 Sampled By (Print): D. Zolp, EM
 Sampled By (Sign): [Signature]
 PO #:
 Regulatory Program:

CHAIN OF CUSTODY

***Preservation Codes**
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Analyses Requested	Y/N	Pick Letter
	VOC	N

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air B = Biota C = Charcoal O = Oil S = Soil SI = Sludge
 W = Water DW = Drinking Water GW = Ground Water SW = Surface Water WW = Waste Water WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	GPTW-05	12/18/18	1310	GW
002	GPTW-08	12/18/18	1320	GW
003	GPTW-14	12/18/18	940	GW
004	Trip Blank			W

Quote #:
Mail To Contact: D. Zolp
Mail To Company: Geosyntec
Mail To Address: 10600 N. Port Washington Rd Ste 100
Mequon, WI 53012
Invoice To Contact: Frank Dombrowski
Invoice To Company: We Energies
Invoice To Address:
Invoice To Phone:
CLIENT COMMENTS:
*Elevated Concentrations
LAB COMMENTS (Lab Use Only):
Profile #:

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
 Date Needed:
 Transmit Prelim Rush Results by (complete what you want):

Relinquished By: <u>[Signature]</u> Date/Time: _____	Received By: <u>[Signature]</u> Date/Time: <u>12/14/18 1530</u>	PACE Project No. <u>40181059</u> Receipt Temp = <u>120</u> °C Sample Receipt pH <u>OK / Adjusted</u> Cooler Custody Seal <u>Present / Not Present</u> Intact / Not Intact
Relinquished By: <u>[Signature]</u> Date/Time: _____	Received By: <u>[Signature]</u> Date/Time: _____	
Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	
Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	

Samples on HOLD are subject to special pricing and release of liability

Sample Preservation Receipt Form

Client Name: Geosyntec

Project # 40181059

All containers needing preservation have been checked and noted below: Yes No N/A

Lab Lot# of pH paper:

Lab Std #ID of preservation (if pH adjusted):


Initial when completed:

Date/Time:

Pace Lab #	Glass							Plastic							Vials				Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)						
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T								ZPLC	GN				
001																																					2.5 / 5 / 10
002																																					2.5 / 5 / 10
003																																					2.5 / 5 / 10
004																																					2.5 / 5 / 10
005																																					2.5 / 5 / 10
006																																					2.5 / 5 / 10
007																																					2.5 / 5 / 10
008																																					2.5 / 5 / 10
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012																																					2.5 / 5 / 10
013																																					2.5 / 5 / 10
014																																					2.5 / 5 / 10
015																																					2.5 / 5 / 10
016																																					2.5 / 5 / 10
017																																					2.5 / 5 / 10
018																																					2.5 / 5 / 10
019																																					2.5 / 5 / 10
020																																					2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: Headspace in VOA Vials (>6mm): Yes No N/A *If yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3C	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 25Apr2018
	Document No.: F-GB-C-031-Rev.07	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #: **WO# : 40181059**

Client Name: Geosyntec

Courier: CS Logistics Fed Ex Speedee UPS Waltco
 Client Pace Other: _____



Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer Used SR - N/A Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 1202 / Corr: _____

Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Temp should be above freezing to 6°C.
 Biota Samples may be received at ≤ 0°C.

Person examining contents:
 Date: 12/14/18
 Initials: [Signature]

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.	<u>no date/time</u> <u>12/14/18</u>
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.	<u>[Signature]</u>
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.	
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:	
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.	
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.	
Sufficient Volume:		8.	
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.	
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.	
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12.	<u>sol - 1 uial notine</u>
-Includes date/time/ID/Analysis Matrix: <u>W</u>			<u>12/14/18</u>
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.	
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Pace Trip Blank Lot # (if purchased): <u>410</u>			

Client Notification/ Resolution: _____ If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature] Date: 12-17-18

December 27, 2018

Dave Zolp
GEOSYNTEC CONSULTANTS
10600 North Port Washington Rd
Suite 100
Thiensville, WI 53092

RE: Project: CHE80940Q MNSC SI
Pace Project No.: 40181066

Dear Dave Zolp:

Enclosed are the analytical results for sample(s) received by the laboratory on December 14, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Brian Basten
brian.basten@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: WE Energies Lab Reports, WE Energies



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40181066001	GP-01(4-5)	Solid	12/11/18 09:50	12/14/18 15:30
40181066002	GP-01(15-16)	Solid	12/11/18 10:20	12/14/18 15:30
40181066003	GP-02(8-9)	Solid	12/11/18 11:15	12/14/18 15:30
40181066004	GP-02(10-11)	Solid	12/11/18 11:20	12/14/18 15:30
40181066005	GP-03(5-6)	Solid	12/11/18 12:10	12/14/18 15:30
40181066006	GP-03(11-12)	Solid	12/11/18 12:15	12/14/18 15:30
40181066007	GP-04(4-5)	Solid	12/11/18 12:50	12/14/18 15:30
40181066008	GP-04(5-6)	Solid	12/11/18 13:05	12/14/18 15:30
40181066009	GP-04(11-12)	Solid	12/11/18 13:10	12/14/18 15:30
40181066010	GP-05(4-5)	Solid	12/11/18 13:45	12/14/18 15:30
40181066011	GP-05(11-12)	Solid	12/11/18 14:10	12/14/18 15:30
40181066012	GP-06(4-5)	Solid	12/11/18 14:40	12/14/18 15:30
40181066013	GP-06(9-10)	Solid	12/11/18 14:50	12/14/18 15:30
40181066014	GP-07(4-5)	Solid	12/11/18 15:10	12/14/18 15:30
40181066015	GP-07(8-9)	Solid	12/11/18 15:15	12/14/18 15:30
40181066016	GP-08(4-5)	Solid	12/11/18 15:45	12/14/18 15:30
40181066017	GP-08(7-8)	Solid	12/11/18 15:50	12/14/18 15:30
40181066018	GP-09(4-5)	Solid	12/12/18 08:40	12/14/18 15:30
40181066019	GP-09(9-10)	Solid	12/12/18 08:45	12/14/18 15:30
40181066020	GP-10(3-4)	Solid	12/12/18 09:05	12/14/18 15:30
40181066021	GP-10(9-10)	Solid	12/12/18 09:10	12/14/18 15:30
40181066022	GP-11(4-5)	Solid	12/12/18 09:30	12/14/18 15:30
40181066023	GP-11(9-10)	Solid	12/12/18 09:35	12/14/18 15:30
40181066024	GP-12(4-5)	Solid	12/12/18 09:50	12/14/18 15:30
40181066025	GP-12(7-8)	Solid	12/12/18 10:00	12/14/18 15:30
40181066026	GP-13(2-3)	Solid	12/12/18 10:40	12/14/18 15:30
40181066027	GP-13(9-10)	Solid	12/12/18 10:50	12/14/18 15:30
40181066028	GP-14(3-4)	Solid	12/12/18 11:20	12/14/18 15:30
40181066029	GP-14(11-12)	Solid	12/12/18 11:40	12/14/18 15:30
40181066030	GP-15(2-3)	Solid	12/12/18 12:20	12/14/18 15:30
40181066031	GP-15(2-3)DUP	Solid	12/12/18 12:20	12/14/18 15:30
40181066032	GP-15(10-11)	Solid	12/12/18 12:35	12/14/18 15:30
40181066033	GP-15(10-11)DUP	Solid	12/12/18 12:35	12/14/18 15:30
40181066034	MEOH BLANK	Solid	12/12/18 00:00	12/14/18 15:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40181066001	GP-01(4-5)	EPA 8260	MDS	64
		ASTM D2974-87	AH	1
40181066002	GP-01(15-16)	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181066003	GP-02(8-9)	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181066004	GP-02(10-11)	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181066005	GP-03(5-6)	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181066006	GP-03(11-12)	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181066007	GP-04(4-5)	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181066008	GP-04(5-6)	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181066009	GP-04(11-12)	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181066010	GP-05(4-5)	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181066011	GP-05(11-12)	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181066012	GP-06(4-5)	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181066013	GP-06(9-10)	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181066014	GP-07(4-5)	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181066015	GP-07(8-9)	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181066016	GP-08(4-5)	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181066017	GP-08(7-8)	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181066018	GP-09(4-5)	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181066019	GP-09(9-10)	EPA 8260	MDS	64

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		ASTM D2974-87	PCG	1
40181066020	GP-10(3-4)	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181066021	GP-10(9-10)	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181066022	GP-11(4-5)	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181066023	GP-11(9-10)	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181066024	GP-12(4-5)	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181066025	GP-12(7-8)	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181066026	GP-13(2-3)	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181066027	GP-13(9-10)	EPA 8260	MDS	64
		ASTM D2974-87	JXS	1
40181066028	GP-14(3-4)	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181066029	GP-14(11-12)	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181066030	GP-15(2-3)	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181066031	GP-15(2-3)DUP	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181066032	GP-15(10-11)	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181066033	GP-15(10-11)DUP	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181066034	MEOH BLANK	EPA 8260	MDS	64

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-01(4-5) Lab ID: 40181066001 Collected: 12/11/18 09:50 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/19/18 08:00	12/19/18 14:01	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/19/18 08:00	12/19/18 14:01	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/19/18 08:00	12/19/18 14:01	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/19/18 08:00	12/19/18 14:01	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	12/19/18 08:00	12/19/18 14:01	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-01(4-5) **Lab ID: 40181066001** Collected: 12/11/18 09:50 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	79-34-5	W
Tetrachloroethene	599	ug/kg	66.6	27.7	1	12/19/18 08:00	12/19/18 14:01	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/19/18 08:00	12/19/18 14:01	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	12/19/18 08:00	12/19/18 14:01	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:01	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	92	%	57-148		1	12/19/18 08:00	12/19/18 14:01	1868-53-7	
Toluene-d8 (S)	86	%	58-142		1	12/19/18 08:00	12/19/18 14:01	2037-26-5	
4-Bromofluorobenzene (S)	85	%	48-130		1	12/19/18 08:00	12/19/18 14:01	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture **9.9** % 0.10 0.10 1 12/19/18 16:13

Sample: GP-01(15-16) **Lab ID: 40181066002** Collected: 12/11/18 10:20 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/18/18 08:30	12/19/18 14:41	74-83-9	L1,M0, W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/18/18 08:30	12/19/18 14:41	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/18/18 08:30	12/19/18 14:41	67-66-3	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-01(15-16) **Lab ID: 40181066002** Collected: 12/11/18 10:20 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/18/18 08:30	12/19/18 14:41	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	12/18/18 08:30	12/19/18 14:41	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/18/18 08:30	12/19/18 14:41	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	108-67-8	W

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-01(15-16) **Lab ID: 40181066002** Collected: 12/11/18 10:20 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	12/18/18 08:30	12/19/18 14:41	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 14:41	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	108	%	57-148		1	12/18/18 08:30	12/19/18 14:41	1868-53-7	
Toluene-d8 (S)	98	%	58-142		1	12/18/18 08:30	12/19/18 14:41	2037-26-5	
4-Bromofluorobenzene (S)	94	%	48-130		1	12/18/18 08:30	12/19/18 14:41	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	10.9	%	0.10	0.10	1		12/26/18 10:00		

Sample: GP-02(8-9) **Lab ID: 40181066003** Collected: 12/11/18 11:15 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/18/18 08:30	12/20/18 11:22	74-83-9	L1,W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/18/18 08:30	12/20/18 11:22	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/18/18 08:30	12/20/18 11:22	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/18/18 08:30	12/20/18 11:22	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	107-06-2	W

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-02(8-9) Lab ID: 40181066003 Collected: 12/11/18 11:15 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	12/18/18 08:30	12/20/18 11:22	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/18/18 08:30	12/20/18 11:22	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	12/18/18 08:30	12/20/18 11:22	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 11:22	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	93	%	57-148		1	12/18/18 08:30	12/20/18 11:22	1868-53-7	
Toluene-d8 (S)	89	%	58-142		1	12/18/18 08:30	12/20/18 11:22	2037-26-5	
4-Bromofluorobenzene (S)	80	%	48-130		1	12/18/18 08:30	12/20/18 11:22	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	18.1	%	0.10	0.10	1		12/26/18 10:00		
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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-02(10-11) Lab ID: 40181066004 Collected: 12/11/18 11:20 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/18/18 08:30	12/19/18 18:15	74-83-9	L1,W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/18/18 08:30	12/19/18 18:15	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/18/18 08:30	12/19/18 18:15	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/18/18 08:30	12/19/18 18:15	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	12/18/18 08:30	12/19/18 18:15	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	100-42-5	W

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-02(10-11) Lab ID: 40181066004 Collected: 12/11/18 11:20 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	79-34-5	W
Tetrachloroethene	1440	ug/kg	67.7	28.2	1	12/18/18 08:30	12/19/18 18:15	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/18/18 08:30	12/19/18 18:15	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	12/18/18 08:30	12/19/18 18:15	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 18:15	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	104	%	57-148		1	12/18/18 08:30	12/19/18 18:15	1868-53-7	
Toluene-d8 (S)	99	%	58-142		1	12/18/18 08:30	12/19/18 18:15	2037-26-5	
4-Bromofluorobenzene (S)	92	%	48-130		1	12/18/18 08:30	12/19/18 18:15	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture 11.4 % 0.10 0.10 1 12/26/18 10:00

Sample: GP-03(5-6) Lab ID: 40181066005 Collected: 12/11/18 12:10 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	71-43-2	W
Bromobenzene	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	108-86-1	W
Bromochloromethane	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	74-97-5	W
Bromodichloromethane	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	75-27-4	W
Bromoform	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	75-25-2	W
Bromomethane	<140	ug/kg	500	140	2	12/18/18 08:30	12/19/18 15:04	74-83-9	L1,W
n-Butylbenzene	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	104-51-8	W
sec-Butylbenzene	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	135-98-8	W
tert-Butylbenzene	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	98-06-6	W
Carbon tetrachloride	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	56-23-5	W
Chlorobenzene	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	108-90-7	W
Chloroethane	<134	ug/kg	500	134	2	12/18/18 08:30	12/19/18 15:04	75-00-3	W
Chloroform	<92.9	ug/kg	500	92.9	2	12/18/18 08:30	12/19/18 15:04	67-66-3	W

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-03(5-6) **Lab ID: 40181066005** Collected: 12/11/18 12:10 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Chloromethane	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	74-87-3	W
2-Chlorotoluene	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	95-49-8	W
4-Chlorotoluene	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	106-43-4	W
1,2-Dibromo-3-chloropropane	<182	ug/kg	500	182	2	12/18/18 08:30	12/19/18 15:04	96-12-8	W
Dibromochloromethane	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	124-48-1	W
1,2-Dibromoethane (EDB)	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	106-93-4	W
Dibromomethane	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	74-95-3	W
1,2-Dichlorobenzene	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	95-50-1	W
1,3-Dichlorobenzene	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	541-73-1	W
1,4-Dichlorobenzene	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	106-46-7	W
Dichlorodifluoromethane	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	75-71-8	W
1,1-Dichloroethane	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	75-34-3	W
1,2-Dichloroethane	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	107-06-2	W
1,1-Dichloroethene	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	75-35-4	W
cis-1,2-Dichloroethene	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	156-59-2	W
trans-1,2-Dichloroethene	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	156-60-5	W
1,2-Dichloropropane	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	78-87-5	W
1,3-Dichloropropane	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	142-28-9	W
2,2-Dichloropropane	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	594-20-7	W
1,1-Dichloropropene	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	563-58-6	W
cis-1,3-Dichloropropene	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	10061-01-5	W
trans-1,3-Dichloropropene	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	10061-02-6	W
Diisopropyl ether	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	108-20-3	W
Ethylbenzene	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	100-41-4	W
Hexachloro-1,3-butadiene	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	87-68-3	W
Isopropylbenzene (Cumene)	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	98-82-8	W
p-Isopropyltoluene	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	99-87-6	W
Methylene Chloride	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	75-09-2	W
Methyl-tert-butyl ether	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	1634-04-4	W
Naphthalene	<80.1	ug/kg	500	80.1	2	12/18/18 08:30	12/19/18 15:04	91-20-3	W
n-Propylbenzene	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	103-65-1	W
Styrene	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	100-42-5	W
1,1,1,2-Tetrachloroethane	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	630-20-6	W
1,1,2,2-Tetrachloroethane	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	79-34-5	W
Tetrachloroethene	5500	ug/kg	141	58.6	2	12/18/18 08:30	12/19/18 15:04	127-18-4	
Toluene	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	108-88-3	W
1,2,3-Trichlorobenzene	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	87-61-6	W
1,2,4-Trichlorobenzene	<95.1	ug/kg	500	95.1	2	12/18/18 08:30	12/19/18 15:04	120-82-1	W
1,1,1-Trichloroethane	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	71-55-6	W
1,1,2-Trichloroethane	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	79-00-5	W
Trichloroethene	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	79-01-6	W
Trichlorofluoromethane	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	75-69-4	W
1,2,3-Trichloropropane	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	96-18-4	W
1,2,4-Trimethylbenzene	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	95-63-6	W
1,3,5-Trimethylbenzene	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	108-67-8	W

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-03(5-6) **Lab ID: 40181066005** Collected: 12/11/18 12:10 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Vinyl chloride	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	75-01-4	W
m&p-Xylene	<100	ug/kg	240	100	2	12/18/18 08:30	12/19/18 15:04	179601-23-1	W
o-Xylene	<50.0	ug/kg	120	50.0	2	12/18/18 08:30	12/19/18 15:04	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	100	%	57-148		2	12/18/18 08:30	12/19/18 15:04	1868-53-7	
Toluene-d8 (S)	89	%	58-142		2	12/18/18 08:30	12/19/18 15:04	2037-26-5	
4-Bromofluorobenzene (S)	77	%	48-130		2	12/18/18 08:30	12/19/18 15:04	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	14.7	%	0.10	0.10	1		12/26/18 10:00		

Sample: GP-03(11-12) **Lab ID: 40181066006** Collected: 12/11/18 12:15 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/18/18 08:30	12/20/18 09:51	74-83-9	L1,W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/18/18 08:30	12/20/18 09:51	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/18/18 08:30	12/20/18 09:51	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/18/18 08:30	12/20/18 09:51	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	107-06-2	W

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-03(11-12) Lab ID: 40181066006 Collected: 12/11/18 12:15 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	12/18/18 08:30	12/20/18 09:51	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/18/18 08:30	12/20/18 09:51	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	12/18/18 08:30	12/20/18 09:51	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 09:51	95-47-6	W

Surrogates

Dibromofluoromethane (S)	91	%	57-148		1	12/18/18 08:30	12/20/18 09:51	1868-53-7	
Toluene-d8 (S)	85	%	58-142		1	12/18/18 08:30	12/20/18 09:51	2037-26-5	
4-Bromofluorobenzene (S)	75	%	48-130		1	12/18/18 08:30	12/20/18 09:51	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	11.2	%	0.10	0.10	1		12/26/18 10:00		
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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-04(4-5) **Lab ID: 40181066007** Collected: 12/11/18 12:50 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	71-43-2	W
Bromobenzene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	108-86-1	W
Bromochloromethane	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	74-97-5	W
Bromodichloromethane	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	75-27-4	W
Bromoform	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	75-25-2	W
Bromomethane	<350	ug/kg	1250	350	5	12/18/18 08:30	12/19/18 15:26	74-83-9	L1,W
n-Butylbenzene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	104-51-8	W
sec-Butylbenzene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	135-98-8	W
tert-Butylbenzene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	98-06-6	W
Carbon tetrachloride	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	56-23-5	W
Chlorobenzene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	108-90-7	W
Chloroethane	<335	ug/kg	1250	335	5	12/18/18 08:30	12/19/18 15:26	75-00-3	W
Chloroform	<232	ug/kg	1250	232	5	12/18/18 08:30	12/19/18 15:26	67-66-3	W
Chloromethane	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	74-87-3	W
2-Chlorotoluene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	95-49-8	W
4-Chlorotoluene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	106-43-4	W
1,2-Dibromo-3-chloropropane	<456	ug/kg	1250	456	5	12/18/18 08:30	12/19/18 15:26	96-12-8	W
Dibromochloromethane	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	124-48-1	W
1,2-Dibromoethane (EDB)	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	106-93-4	W
Dibromomethane	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	74-95-3	W
1,2-Dichlorobenzene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	95-50-1	W
1,3-Dichlorobenzene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	541-73-1	W
1,4-Dichlorobenzene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	106-46-7	W
Dichlorodifluoromethane	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	75-71-8	W
1,1-Dichloroethane	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	75-34-3	W
1,2-Dichloroethane	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	107-06-2	W
1,1-Dichloroethene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	75-35-4	W
cis-1,2-Dichloroethene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	156-59-2	W
trans-1,2-Dichloroethene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	156-60-5	W
1,2-Dichloropropane	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	78-87-5	W
1,3-Dichloropropane	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	142-28-9	W
2,2-Dichloropropane	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	594-20-7	W
1,1-Dichloropropene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	563-58-6	W
cis-1,3-Dichloropropene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	10061-01-5	W
trans-1,3-Dichloropropene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	10061-02-6	W
Diisopropyl ether	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	108-20-3	W
Ethylbenzene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	100-41-4	W
Hexachloro-1,3-butadiene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	87-68-3	W
Isopropylbenzene (Cumene)	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	98-82-8	W
p-Isopropyltoluene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	99-87-6	W
Methylene Chloride	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	75-09-2	W
Methyl-tert-butyl ether	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	1634-04-4	W
Naphthalene	<200	ug/kg	1250	200	5	12/18/18 08:30	12/19/18 15:26	91-20-3	W
n-Propylbenzene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	103-65-1	W
Styrene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	100-42-5	W

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-04(4-5) **Lab ID: 40181066007** Collected: 12/11/18 12:50 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,1,1,2-Tetrachloroethane	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	630-20-6	W
1,1,2,2-Tetrachloroethane	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	79-34-5	W
Tetrachloroethene	33800	ug/kg	387	161	5	12/18/18 08:30	12/19/18 15:26	127-18-4	
Toluene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	108-88-3	W
1,2,3-Trichlorobenzene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	87-61-6	W
1,2,4-Trichlorobenzene	<238	ug/kg	1250	238	5	12/18/18 08:30	12/19/18 15:26	120-82-1	W
1,1,1-Trichloroethane	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	71-55-6	W
1,1,2-Trichloroethane	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	79-00-5	W
Trichloroethene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	79-01-6	W
Trichlorofluoromethane	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	75-69-4	W
1,2,3-Trichloropropane	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	96-18-4	W
1,2,4-Trimethylbenzene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	95-63-6	W
1,3,5-Trimethylbenzene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	108-67-8	W
Vinyl chloride	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	75-01-4	W
m&p-Xylene	<250	ug/kg	600	250	5	12/18/18 08:30	12/19/18 15:26	179601-23-1	W
o-Xylene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:26	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	102	%	57-148		5	12/18/18 08:30	12/19/18 15:26	1868-53-7	
Toluene-d8 (S)	90	%	58-142		5	12/18/18 08:30	12/19/18 15:26	2037-26-5	
4-Bromofluorobenzene (S)	74	%	48-130		5	12/18/18 08:30	12/19/18 15:26	460-00-4	

Percent Moisture Analytical Method: ASTM D2974-87

Percent Moisture **22.4** % 0.10 0.10 1 12/26/18 10:01

Sample: GP-04(5-6) **Lab ID: 40181066008** Collected: 12/11/18 13:05 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	71-43-2	W
Bromobenzene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	108-86-1	W
Bromochloromethane	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	74-97-5	W
Bromodichloromethane	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	75-27-4	W
Bromoform	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	75-25-2	W
Bromomethane	<350	ug/kg	1250	350	5	12/18/18 08:30	12/19/18 15:49	74-83-9	L1,W
n-Butylbenzene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	104-51-8	W
sec-Butylbenzene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	135-98-8	W
tert-Butylbenzene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	98-06-6	W
Carbon tetrachloride	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	56-23-5	W
Chlorobenzene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	108-90-7	W
Chloroethane	<335	ug/kg	1250	335	5	12/18/18 08:30	12/19/18 15:49	75-00-3	W
Chloroform	<232	ug/kg	1250	232	5	12/18/18 08:30	12/19/18 15:49	67-66-3	W

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-04(5-6) **Lab ID: 40181066008** Collected: 12/11/18 13:05 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Chloromethane	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	74-87-3	W
2-Chlorotoluene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	95-49-8	W
4-Chlorotoluene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	106-43-4	W
1,2-Dibromo-3-chloropropane	<456	ug/kg	1250	456	5	12/18/18 08:30	12/19/18 15:49	96-12-8	W
Dibromochloromethane	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	124-48-1	W
1,2-Dibromoethane (EDB)	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	106-93-4	W
Dibromomethane	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	74-95-3	W
1,2-Dichlorobenzene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	95-50-1	W
1,3-Dichlorobenzene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	541-73-1	W
1,4-Dichlorobenzene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	106-46-7	W
Dichlorodifluoromethane	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	75-71-8	W
1,1-Dichloroethane	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	75-34-3	W
1,2-Dichloroethane	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	107-06-2	W
1,1-Dichloroethene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	75-35-4	W
cis-1,2-Dichloroethene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	156-59-2	W
trans-1,2-Dichloroethene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	156-60-5	W
1,2-Dichloropropane	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	78-87-5	W
1,3-Dichloropropane	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	142-28-9	W
2,2-Dichloropropane	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	594-20-7	W
1,1-Dichloropropene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	563-58-6	W
cis-1,3-Dichloropropene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	10061-01-5	W
trans-1,3-Dichloropropene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	10061-02-6	W
Diisopropyl ether	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	108-20-3	W
Ethylbenzene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	100-41-4	W
Hexachloro-1,3-butadiene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	87-68-3	W
Isopropylbenzene (Cumene)	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	98-82-8	W
p-Isopropyltoluene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	99-87-6	W
Methylene Chloride	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	75-09-2	W
Methyl-tert-butyl ether	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	1634-04-4	W
Naphthalene	<200	ug/kg	1250	200	5	12/18/18 08:30	12/19/18 15:49	91-20-3	W
n-Propylbenzene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	103-65-1	W
Styrene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	100-42-5	W
1,1,1,2-Tetrachloroethane	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	630-20-6	W
1,1,2,2-Tetrachloroethane	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	79-34-5	W
Tetrachloroethene	29700	ug/kg	367	153	5	12/18/18 08:30	12/19/18 15:49	127-18-4	
Toluene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	108-88-3	W
1,2,3-Trichlorobenzene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	87-61-6	W
1,2,4-Trichlorobenzene	<238	ug/kg	1250	238	5	12/18/18 08:30	12/19/18 15:49	120-82-1	W
1,1,1-Trichloroethane	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	71-55-6	W
1,1,2-Trichloroethane	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	79-00-5	W
Trichloroethene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	79-01-6	W
Trichlorofluoromethane	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	75-69-4	W
1,2,3-Trichloropropane	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	96-18-4	W
1,2,4-Trimethylbenzene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	95-63-6	W
1,3,5-Trimethylbenzene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	108-67-8	W

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-04(5-6) **Lab ID: 40181066008** Collected: 12/11/18 13:05 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Vinyl chloride	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	75-01-4	W
m&p-Xylene	<250	ug/kg	600	250	5	12/18/18 08:30	12/19/18 15:49	179601-23-1	W
o-Xylene	<125	ug/kg	300	125	5	12/18/18 08:30	12/19/18 15:49	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	106	%	57-148		5	12/18/18 08:30	12/19/18 15:49	1868-53-7	
Toluene-d8 (S)	88	%	58-142		5	12/18/18 08:30	12/19/18 15:49	2037-26-5	
4-Bromofluorobenzene (S)	80	%	48-130		5	12/18/18 08:30	12/19/18 15:49	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	18.3	%	0.10	0.10	1		12/26/18 10:01		

Sample: GP-04(11-12) **Lab ID: 40181066009** Collected: 12/11/18 13:10 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	71-43-2	W
Bromobenzene	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	108-86-1	W
Bromochloromethane	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	74-97-5	W
Bromodichloromethane	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	75-27-4	W
Bromoform	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	75-25-2	W
Bromomethane	<5590	ug/kg	20000	5590	80	12/18/18 08:30	12/19/18 22:24	74-83-9	L1,W
n-Butylbenzene	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	104-51-8	W
sec-Butylbenzene	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	135-98-8	W
tert-Butylbenzene	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	98-06-6	W
Carbon tetrachloride	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	56-23-5	W
Chlorobenzene	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	108-90-7	W
Chloroethane	<5360	ug/kg	20000	5360	80	12/18/18 08:30	12/19/18 22:24	75-00-3	W
Chloroform	<3720	ug/kg	20000	3720	80	12/18/18 08:30	12/19/18 22:24	67-66-3	W
Chloromethane	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	74-87-3	W
2-Chlorotoluene	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	95-49-8	W
4-Chlorotoluene	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	106-43-4	W
1,2-Dibromo-3-chloropropane	<7300	ug/kg	20000	7300	80	12/18/18 08:30	12/19/18 22:24	96-12-8	W
Dibromochloromethane	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	124-48-1	W
1,2-Dibromoethane (EDB)	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	106-93-4	W
Dibromomethane	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	74-95-3	W
1,2-Dichlorobenzene	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	95-50-1	W
1,3-Dichlorobenzene	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	541-73-1	W
1,4-Dichlorobenzene	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	106-46-7	W
Dichlorodifluoromethane	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	75-71-8	W
1,1-Dichloroethane	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	75-34-3	W
1,2-Dichloroethane	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	107-06-2	W

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-04(11-12) **Lab ID: 40181066009** Collected: 12/11/18 13:10 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1-Dichloroethene	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	75-35-4	W
cis-1,2-Dichloroethene	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	156-59-2	W
trans-1,2-Dichloroethene	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	156-60-5	W
1,2-Dichloropropane	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	78-87-5	W
1,3-Dichloropropane	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	142-28-9	W
2,2-Dichloropropane	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	594-20-7	W
1,1-Dichloropropene	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	563-58-6	W
cis-1,3-Dichloropropene	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	10061-01-5	W
trans-1,3-Dichloropropene	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	10061-02-6	W
Diisopropyl ether	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	108-20-3	W
Ethylbenzene	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	100-41-4	W
Hexachloro-1,3-butadiene	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	87-68-3	W
Isopropylbenzene (Cumene)	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	98-82-8	W
p-Isopropyltoluene	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	99-87-6	W
Methylene Chloride	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	75-09-2	W
Methyl-tert-butyl ether	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	1634-04-4	W
Naphthalene	<3200	ug/kg	20000	3200	80	12/18/18 08:30	12/19/18 22:24	91-20-3	W
n-Propylbenzene	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	103-65-1	W
Styrene	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	100-42-5	W
1,1,1,2-Tetrachloroethane	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	630-20-6	W
1,1,1,2,2-Tetrachloroethane	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	79-34-5	W
Tetrachloroethene	246000	ug/kg	5420	2260	80	12/18/18 08:30	12/19/18 22:24	127-18-4	
Toluene	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	108-88-3	W
1,2,3-Trichlorobenzene	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	87-61-6	W
1,2,4-Trichlorobenzene	<3800	ug/kg	20000	3800	80	12/18/18 08:30	12/19/18 22:24	120-82-1	W
1,1,1-Trichloroethane	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	71-55-6	W
1,1,2-Trichloroethane	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	79-00-5	W
Trichloroethene	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	79-01-6	W
Trichlorofluoromethane	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	75-69-4	W
1,2,3-Trichloropropane	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	96-18-4	W
1,2,4-Trimethylbenzene	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	95-63-6	W
1,3,5-Trimethylbenzene	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	108-67-8	W
Vinyl chloride	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	75-01-4	W
m&p-Xylene	<4000	ug/kg	9600	4000	80	12/18/18 08:30	12/19/18 22:24	179601-23-1	W
o-Xylene	<2000	ug/kg	4800	2000	80	12/18/18 08:30	12/19/18 22:24	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	106	%	57-148		80	12/18/18 08:30	12/19/18 22:24	1868-53-7	
Toluene-d8 (S)	95	%	58-142		80	12/18/18 08:30	12/19/18 22:24	2037-26-5	
4-Bromofluorobenzene (S)	94	%	48-130		80	12/18/18 08:30	12/19/18 22:24	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	11.4	%	0.10	0.10	1	12/26/18 10:01
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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-05(4-5) Lab ID: 40181066010 Collected: 12/11/18 13:45 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	71-43-2	W
Bromobenzene	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	108-86-1	W
Bromochloromethane	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	74-97-5	W
Bromodichloromethane	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	75-27-4	W
Bromoform	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	75-25-2	W
Bromomethane	<211000	ug/kg	753000	211000	2500	12/18/18 08:30	12/19/18 23:09	74-83-9	L1,W
n-Butylbenzene	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	104-51-8	W
sec-Butylbenzene	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	135-98-8	W
tert-Butylbenzene	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	98-06-6	W
Carbon tetrachloride	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	56-23-5	W
Chlorobenzene	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	108-90-7	W
Chloroethane	<202000	ug/kg	753000	202000	2500	12/18/18 08:30	12/19/18 23:09	75-00-3	W
Chloroform	<140000	ug/kg	753000	140000	2500	12/18/18 08:30	12/19/18 23:09	67-66-3	W
Chloromethane	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	74-87-3	W
2-Chlorotoluene	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	95-49-8	W
4-Chlorotoluene	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	106-43-4	W
1,2-Dibromo-3-chloropropane	<275000	ug/kg	753000	275000	2500	12/18/18 08:30	12/19/18 23:09	96-12-8	W
Dibromochloromethane	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	124-48-1	W
1,2-Dibromoethane (EDB)	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	106-93-4	W
Dibromomethane	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	74-95-3	W
1,2-Dichlorobenzene	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	95-50-1	W
1,3-Dichlorobenzene	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	541-73-1	W
1,4-Dichlorobenzene	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	106-46-7	W
Dichlorodifluoromethane	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	75-71-8	W
1,1-Dichloroethane	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	75-34-3	W
1,2-Dichloroethane	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	107-06-2	W
1,1-Dichloroethene	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	75-35-4	W
cis-1,2-Dichloroethene	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	156-59-2	W
trans-1,2-Dichloroethene	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	156-60-5	W
1,2-Dichloropropane	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	78-87-5	W
1,3-Dichloropropane	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	142-28-9	W
2,2-Dichloropropane	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	594-20-7	W
1,1-Dichloropropene	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	563-58-6	W
cis-1,3-Dichloropropene	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	10061-01-5	W
trans-1,3-Dichloropropene	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	10061-02-6	W
Diisopropyl ether	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	108-20-3	W
Ethylbenzene	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	100-41-4	W
Hexachloro-1,3-butadiene	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	87-68-3	W
Isopropylbenzene (Cumene)	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	98-82-8	W
p-Isopropyltoluene	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	99-87-6	W
Methylene Chloride	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	75-09-2	W
Methyl-tert-butyl ether	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	1634-04-4	W
Naphthalene	<121000	ug/kg	753000	121000	2500	12/18/18 08:30	12/19/18 23:09	91-20-3	W
n-Propylbenzene	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	103-65-1	W
Styrene	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	100-42-5	W

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-05(4-5) **Lab ID: 40181066010** Collected: 12/11/18 13:45 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,1,1,2-Tetrachloroethane	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	630-20-6	W
1,1,2,2-Tetrachloroethane	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	79-34-5	W
Tetrachloroethene	30400000	ug/kg	200000	83500	2500	12/18/18 08:30	12/19/18 23:09	127-18-4	
Toluene	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	108-88-3	W
1,2,3-Trichlorobenzene	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	87-61-6	W
1,2,4-Trichlorobenzene	<143000	ug/kg	753000	143000	2500	12/18/18 08:30	12/19/18 23:09	120-82-1	W
1,1,1-Trichloroethane	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	71-55-6	W
1,1,2-Trichloroethane	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	79-00-5	W
Trichloroethene	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	79-01-6	W
Trichlorofluoromethane	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	75-69-4	W
1,2,3-Trichloropropane	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	96-18-4	W
1,2,4-Trimethylbenzene	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	95-63-6	W
1,3,5-Trimethylbenzene	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	108-67-8	W
Vinyl chloride	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	75-01-4	W
m&p-Xylene	<151000	ug/kg	361000	151000	2500	12/18/18 08:30	12/19/18 23:09	179601-23-1	W
o-Xylene	<75300	ug/kg	181000	75300	2500	12/18/18 08:30	12/19/18 23:09	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	0	%	57-148		2500	12/18/18 08:30	12/19/18 23:09	1868-53-7	S4
Toluene-d8 (S)	0	%	58-142		2500	12/18/18 08:30	12/19/18 23:09	2037-26-5	S4
4-Bromofluorobenzene (S)	0	%	48-130		2500	12/18/18 08:30	12/19/18 23:09	460-00-4	S4

Percent Moisture Analytical Method: ASTM D2974-87

Percent Moisture **9.8** % 0.10 0.10 1 12/26/18 10:01

Sample: GP-05(11-12) **Lab ID: 40181066011** Collected: 12/11/18 14:10 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	71-43-2	W
Bromobenzene	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	108-86-1	W
Bromochloromethane	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	74-97-5	W
Bromodichloromethane	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	75-27-4	W
Bromoform	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	75-25-2	W
Bromomethane	<140000	ug/kg	500000	140000	2000	12/18/18 08:30	12/19/18 23:33	74-83-9	L1,W
n-Butylbenzene	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	104-51-8	W
sec-Butylbenzene	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	135-98-8	W
tert-Butylbenzene	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	98-06-6	W
Carbon tetrachloride	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	56-23-5	W
Chlorobenzene	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	108-90-7	W
Chloroethane	<134000	ug/kg	500000	134000	2000	12/18/18 08:30	12/19/18 23:33	75-00-3	W
Chloroform	<92900	ug/kg	500000	92900	2000	12/18/18 08:30	12/19/18 23:33	67-66-3	W

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-05(11-12) **Lab ID: 40181066011** Collected: 12/11/18 14:10 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Chloromethane	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	74-87-3	W
2-Chlorotoluene	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	95-49-8	W
4-Chlorotoluene	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	106-43-4	W
1,2-Dibromo-3-chloropropane	<182000	ug/kg	500000	182000	2000	12/18/18 08:30	12/19/18 23:33	96-12-8	W
Dibromochloromethane	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	124-48-1	W
1,2-Dibromoethane (EDB)	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	106-93-4	W
Dibromomethane	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	74-95-3	W
1,2-Dichlorobenzene	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	95-50-1	W
1,3-Dichlorobenzene	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	541-73-1	W
1,4-Dichlorobenzene	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	106-46-7	W
Dichlorodifluoromethane	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	75-71-8	W
1,1-Dichloroethane	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	75-34-3	W
1,2-Dichloroethane	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	107-06-2	W
1,1-Dichloroethene	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	75-35-4	W
cis-1,2-Dichloroethene	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	156-59-2	W
trans-1,2-Dichloroethene	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	156-60-5	W
1,2-Dichloropropane	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	78-87-5	W
1,3-Dichloropropane	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	142-28-9	W
2,2-Dichloropropane	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	594-20-7	W
1,1-Dichloropropene	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	563-58-6	W
cis-1,3-Dichloropropene	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	10061-01-5	W
trans-1,3-Dichloropropene	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	10061-02-6	W
Diisopropyl ether	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	108-20-3	W
Ethylbenzene	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	100-41-4	W
Hexachloro-1,3-butadiene	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	87-68-3	W
Isopropylbenzene (Cumene)	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	98-82-8	W
p-Isopropyltoluene	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	99-87-6	W
Methylene Chloride	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	75-09-2	W
Methyl-tert-butyl ether	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	1634-04-4	W
Naphthalene	<80100	ug/kg	500000	80100	2000	12/18/18 08:30	12/19/18 23:33	91-20-3	W
n-Propylbenzene	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	103-65-1	W
Styrene	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	100-42-5	W
1,1,1,2-Tetrachloroethane	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	630-20-6	W
1,1,2,2-Tetrachloroethane	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	79-34-5	W
Tetrachloroethene	12100000	ug/kg	137000	56900	2000	12/18/18 08:30	12/19/18 23:33	127-18-4	
Toluene	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	108-88-3	W
1,2,3-Trichlorobenzene	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	87-61-6	W
1,2,4-Trichlorobenzene	<95100	ug/kg	500000	95100	2000	12/18/18 08:30	12/19/18 23:33	120-82-1	W
1,1,1-Trichloroethane	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	71-55-6	W
1,1,2-Trichloroethane	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	79-00-5	W
Trichloroethene	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	79-01-6	W
Trichlorofluoromethane	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	75-69-4	W
1,2,3-Trichloropropane	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	96-18-4	W
1,2,4-Trimethylbenzene	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	95-63-6	W
1,3,5-Trimethylbenzene	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	108-67-8	W

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-05(11-12) **Lab ID: 40181066011** Collected: 12/11/18 14:10 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Vinyl chloride	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	75-01-4	W
m&p-Xylene	<100000	ug/kg	240000	100000	2000	12/18/18 08:30	12/19/18 23:33	179601-23-1	W
o-Xylene	<50000	ug/kg	120000	50000	2000	12/18/18 08:30	12/19/18 23:33	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	0	%	57-148		2000	12/18/18 08:30	12/19/18 23:33	1868-53-7	S4
Toluene-d8 (S)	0	%	58-142		2000	12/18/18 08:30	12/19/18 23:33	2037-26-5	S4
4-Bromofluorobenzene (S)	0	%	48-130		2000	12/18/18 08:30	12/19/18 23:33	460-00-4	S4
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	12.2	%	0.10	0.10	1		12/26/18 10:01		

Sample: GP-06(4-5) **Lab ID: 40181066012** Collected: 12/11/18 14:40 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/18/18 08:30	12/19/18 19:00	74-83-9	L1,W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/18/18 08:30	12/19/18 19:00	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/18/18 08:30	12/19/18 19:00	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/18/18 08:30	12/19/18 19:00	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	107-06-2	W

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-06(4-5) Lab ID: 40181066012 Collected: 12/11/18 14:40 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	12/18/18 08:30	12/19/18 19:00	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	79-34-5	W
Tetrachloroethene	333	ug/kg	71.6	29.8	1	12/18/18 08:30	12/19/18 19:00	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/18/18 08:30	12/19/18 19:00	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	12/18/18 08:30	12/19/18 19:00	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:00	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	92	%	57-148		1	12/18/18 08:30	12/19/18 19:00	1868-53-7	
Toluene-d8 (S)	85	%	58-142		1	12/18/18 08:30	12/19/18 19:00	2037-26-5	
4-Bromofluorobenzene (S)	77	%	48-130		1	12/18/18 08:30	12/19/18 19:00	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	16.2	%	0.10	0.10	1		12/26/18 10:01		
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-06(9-10) Lab ID: 40181066013 Collected: 12/11/18 14:50 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/18/18 08:30	12/19/18 19:23	74-83-9	L1,W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/18/18 08:30	12/19/18 19:23	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/18/18 08:30	12/19/18 19:23	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/18/18 08:30	12/19/18 19:23	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	12/18/18 08:30	12/19/18 19:23	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	100-42-5	W

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-06(9-10) **Lab ID: 40181066013** Collected: 12/11/18 14:50 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	79-34-5	W
Tetrachloroethene	1570	ug/kg	75.8	31.6	1	12/18/18 08:30	12/19/18 19:23	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/18/18 08:30	12/19/18 19:23	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	12/18/18 08:30	12/19/18 19:23	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 19:23	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	107	%	57-148		1	12/18/18 08:30	12/19/18 19:23	1868-53-7	
Toluene-d8 (S)	98	%	58-142		1	12/18/18 08:30	12/19/18 19:23	2037-26-5	
4-Bromofluorobenzene (S)	88	%	48-130		1	12/18/18 08:30	12/19/18 19:23	460-00-4	

Percent Moisture Analytical Method: ASTM D2974-87

Percent Moisture **20.8** % 0.10 0.10 1 12/26/18 10:01

Sample: GP-07(4-5) **Lab ID: 40181066014** Collected: 12/11/18 15:10 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/18/18 08:30	12/20/18 10:14	74-83-9	L1,W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/18/18 08:30	12/20/18 10:14	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/18/18 08:30	12/20/18 10:14	67-66-3	W

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-07(4-5) **Lab ID: 40181066014** Collected: 12/11/18 15:10 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/18/18 08:30	12/20/18 10:14	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	12/18/18 08:30	12/20/18 10:14	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/18/18 08:30	12/20/18 10:14	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	108-67-8	W

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-07(4-5) **Lab ID: 40181066014** Collected: 12/11/18 15:10 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	12/18/18 08:30	12/20/18 10:14	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/20/18 10:14	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	91	%	57-148		1	12/18/18 08:30	12/20/18 10:14	1868-53-7	
Toluene-d8 (S)	92	%	58-142		1	12/18/18 08:30	12/20/18 10:14	2037-26-5	
4-Bromofluorobenzene (S)	84	%	48-130		1	12/18/18 08:30	12/20/18 10:14	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	19.0	%	0.10	0.10	1		12/26/18 10:01		

Sample: GP-07(8-9) **Lab ID: 40181066015** Collected: 12/11/18 15:15 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	71-43-2	W
Bromobenzene	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	108-86-1	W
Bromochloromethane	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	74-97-5	W
Bromodichloromethane	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	75-27-4	W
Bromoform	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	75-25-2	W
Bromomethane	<178	ug/kg	638	178	2.5	12/18/18 08:30	12/19/18 22:47	74-83-9	L1,W
n-Butylbenzene	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	104-51-8	W
sec-Butylbenzene	180	ug/kg	175	73.0	2.5	12/18/18 08:30	12/19/18 22:47	135-98-8	
tert-Butylbenzene	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	98-06-6	W
Carbon tetrachloride	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	56-23-5	W
Chlorobenzene	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	108-90-7	W
Chloroethane	<171	ug/kg	638	171	2.5	12/18/18 08:30	12/19/18 22:47	75-00-3	W
Chloroform	<118	ug/kg	638	118	2.5	12/18/18 08:30	12/19/18 22:47	67-66-3	W
Chloromethane	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	74-87-3	W
2-Chlorotoluene	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	95-49-8	W
4-Chlorotoluene	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	106-43-4	W
1,2-Dibromo-3-chloropropane	<233	ug/kg	638	233	2.5	12/18/18 08:30	12/19/18 22:47	96-12-8	W
Dibromochloromethane	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	124-48-1	W
1,2-Dibromoethane (EDB)	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	106-93-4	W
Dibromomethane	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	74-95-3	W
1,2-Dichlorobenzene	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	95-50-1	W
1,3-Dichlorobenzene	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	541-73-1	W
1,4-Dichlorobenzene	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	106-46-7	W
Dichlorodifluoromethane	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	75-71-8	W
1,1-Dichloroethane	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	75-34-3	W
1,2-Dichloroethane	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	107-06-2	W

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-07(8-9) Lab ID: 40181066015 Collected: 12/11/18 15:15 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1-Dichloroethene	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	75-35-4	W
cis-1,2-Dichloroethene	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	156-59-2	W
trans-1,2-Dichloroethene	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	156-60-5	W
1,2-Dichloropropane	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	78-87-5	W
1,3-Dichloropropane	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	142-28-9	W
2,2-Dichloropropane	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	594-20-7	W
1,1-Dichloropropene	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	563-58-6	W
cis-1,3-Dichloropropene	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	10061-01-5	W
trans-1,3-Dichloropropene	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	10061-02-6	W
Diisopropyl ether	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	108-20-3	W
Ethylbenzene	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	100-41-4	W
Hexachloro-1,3-butadiene	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	87-68-3	W
Isopropylbenzene (Cumene)	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	98-82-8	W
p-Isopropyltoluene	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	99-87-6	W
Methylene Chloride	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	75-09-2	W
Methyl-tert-butyl ether	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	1634-04-4	W
Naphthalene	<102	ug/kg	638	102	2.5	12/18/18 08:30	12/19/18 22:47	91-20-3	W
n-Propylbenzene	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	103-65-1	W
Styrene	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	100-42-5	W
1,1,1,2-Tetrachloroethane	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	630-20-6	W
1,1,2,2-Tetrachloroethane	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	79-34-5	W
Tetrachloroethene	2980	ug/kg	175	73.0	2.5	12/18/18 08:30	12/19/18 22:47	127-18-4	
Toluene	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	108-88-3	W
1,2,3-Trichlorobenzene	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	87-61-6	W
1,2,4-Trichlorobenzene	<121	ug/kg	638	121	2.5	12/18/18 08:30	12/19/18 22:47	120-82-1	W
1,1,1-Trichloroethane	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	71-55-6	W
1,1,2-Trichloroethane	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	79-00-5	W
Trichloroethene	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	79-01-6	W
Trichlorofluoromethane	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	75-69-4	W
1,2,3-Trichloropropane	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	96-18-4	W
1,2,4-Trimethylbenzene	149J	ug/kg	175	73.0	2.5	12/18/18 08:30	12/19/18 22:47	95-63-6	
1,3,5-Trimethylbenzene	125J	ug/kg	175	73.0	2.5	12/18/18 08:30	12/19/18 22:47	108-67-8	
Vinyl chloride	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	75-01-4	W
m&p-Xylene	<128	ug/kg	306	128	2.5	12/18/18 08:30	12/19/18 22:47	179601-23-1	W
o-Xylene	<63.8	ug/kg	153	63.8	2.5	12/18/18 08:30	12/19/18 22:47	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	108	%	57-148		2.5	12/18/18 08:30	12/19/18 22:47	1868-53-7	D3
Toluene-d8 (S)	93	%	58-142		2.5	12/18/18 08:30	12/19/18 22:47	2037-26-5	
4-Bromofluorobenzene (S)	90	%	48-130		2.5	12/18/18 08:30	12/19/18 22:47	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	12.6	%	0.10	0.10	1	12/26/18 11:07
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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-08(4-5) Lab ID: 40181066016 Collected: 12/11/18 15:45 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/18/18 08:30	12/19/18 20:08	74-83-9	L1,W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/18/18 08:30	12/19/18 20:08	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/18/18 08:30	12/19/18 20:08	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/18/18 08:30	12/19/18 20:08	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	12/18/18 08:30	12/19/18 20:08	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	100-42-5	W

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-08(4-5) **Lab ID: 40181066016** Collected: 12/11/18 15:45 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	79-34-5	W
Tetrachloroethene	33.6J	ug/kg	73.6	30.7	1	12/18/18 08:30	12/19/18 20:08	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/18/18 08:30	12/19/18 20:08	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	12/18/18 08:30	12/19/18 20:08	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:08	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	103	%	57-148		1	12/18/18 08:30	12/19/18 20:08	1868-53-7	
Toluene-d8 (S)	94	%	58-142		1	12/18/18 08:30	12/19/18 20:08	2037-26-5	
4-Bromofluorobenzene (S)	83	%	48-130		1	12/18/18 08:30	12/19/18 20:08	460-00-4	

Percent Moisture Analytical Method: ASTM D2974-87

Percent Moisture **18.4** % 0.10 0.10 1 12/26/18 11:07

Sample: GP-08(7-8) **Lab ID: 40181066017** Collected: 12/11/18 15:50 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/18/18 08:30	12/19/18 21:39	74-83-9	L1,W
n-Butylbenzene	87.5	ug/kg	69.2	28.8	1	12/18/18 08:30	12/19/18 21:39	104-51-8	
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/18/18 08:30	12/19/18 21:39	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/18/18 08:30	12/19/18 21:39	67-66-3	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-08(7-8) **Lab ID: 40181066017** Collected: 12/11/18 15:50 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/18/18 08:30	12/19/18 21:39	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	1634-04-4	W
Naphthalene	65.0J	ug/kg	288	46.2	1	12/18/18 08:30	12/19/18 21:39	91-20-3	
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	79-34-5	W
Tetrachloroethene	77.8	ug/kg	69.2	28.8	1	12/18/18 08:30	12/19/18 21:39	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/18/18 08:30	12/19/18 21:39	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	108-67-8	W

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-08(7-8) Lab ID: 40181066017 Collected: 12/11/18 15:50 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	12/18/18 08:30	12/19/18 21:39	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 21:39	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	109	%	57-148		1	12/18/18 08:30	12/19/18 21:39	1868-53-7	
Toluene-d8 (S)	99	%	58-142		1	12/18/18 08:30	12/19/18 21:39	2037-26-5	
4-Bromofluorobenzene (S)	93	%	48-130		1	12/18/18 08:30	12/19/18 21:39	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	13.3	%	0.10	0.10	1		12/26/18 11:07		

Sample: GP-09(4-5) Lab ID: 40181066018 Collected: 12/12/18 08:40 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/18/18 08:30	12/19/18 20:31	74-83-9	L1,W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/18/18 08:30	12/19/18 20:31	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/18/18 08:30	12/19/18 20:31	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/18/18 08:30	12/19/18 20:31	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	107-06-2	W

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-09(4-5) **Lab ID: 40181066018** Collected: 12/12/18 08:40 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	12/18/18 08:30	12/19/18 20:31	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	79-34-5	W
Tetrachloroethene	49.8J	ug/kg	73.7	30.7	1	12/18/18 08:30	12/19/18 20:31	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/18/18 08:30	12/19/18 20:31	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	12/18/18 08:30	12/19/18 20:31	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:31	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	104	%	57-148		1	12/18/18 08:30	12/19/18 20:31	1868-53-7	
Toluene-d8 (S)	97	%	58-142		1	12/18/18 08:30	12/19/18 20:31	2037-26-5	
4-Bromofluorobenzene (S)	85	%	48-130		1	12/18/18 08:30	12/19/18 20:31	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	18.6	%	0.10	0.10	1	12/26/18 11:07
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-09(9-10) Lab ID: 40181066019 Collected: 12/12/18 08:45 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/18/18 08:30	12/19/18 20:53	74-83-9	L1,W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/18/18 08:30	12/19/18 20:53	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/18/18 08:30	12/19/18 20:53	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/18/18 08:30	12/19/18 20:53	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	12/18/18 08:30	12/19/18 20:53	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	100-42-5	W

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-09(9-10) **Lab ID: 40181066019** Collected: 12/12/18 08:45 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	79-34-5	W
Tetrachloroethene	61.0J	ug/kg	67.4	28.1	1	12/18/18 08:30	12/19/18 20:53	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/18/18 08:30	12/19/18 20:53	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	12/18/18 08:30	12/19/18 20:53	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	12/18/18 08:30	12/19/18 20:53	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	108	%	57-148		1	12/18/18 08:30	12/19/18 20:53	1868-53-7	
Toluene-d8 (S)	102	%	58-142		1	12/18/18 08:30	12/19/18 20:53	2037-26-5	
4-Bromofluorobenzene (S)	95	%	48-130		1	12/18/18 08:30	12/19/18 20:53	460-00-4	

Percent Moisture Analytical Method: ASTM D2974-87

Percent Moisture **11.0** % 0.10 0.10 1 12/26/18 11:07

Sample: GP-10(3-4) **Lab ID: 40181066020** Collected: 12/12/18 09:05 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	71-43-2	W
Bromobenzene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	108-86-1	W
Bromochloromethane	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	74-97-5	W
Bromodichloromethane	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	75-27-4	W
Bromoform	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	75-25-2	W
Bromomethane	<74.4	ug/kg	266	74.4	1	12/18/18 08:30	12/19/18 22:01	74-83-9	L1,W
n-Butylbenzene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	104-51-8	W
sec-Butylbenzene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	135-98-8	W
tert-Butylbenzene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	98-06-6	W
Carbon tetrachloride	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	56-23-5	W
Chlorobenzene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	108-90-7	W
Chloroethane	<71.3	ug/kg	266	71.3	1	12/18/18 08:30	12/19/18 22:01	75-00-3	W
Chloroform	<49.4	ug/kg	266	49.4	1	12/18/18 08:30	12/19/18 22:01	67-66-3	W

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-10(3-4) Lab ID: 40181066020 Collected: 12/12/18 09:05 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Chloromethane	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	74-87-3	W
2-Chlorotoluene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	95-49-8	W
4-Chlorotoluene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	106-43-4	W
1,2-Dibromo-3-chloropropane	<97.1	ug/kg	266	97.1	1	12/18/18 08:30	12/19/18 22:01	96-12-8	W
Dibromochloromethane	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	124-48-1	W
1,2-Dibromoethane (EDB)	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	106-93-4	W
Dibromomethane	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	74-95-3	W
1,2-Dichlorobenzene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	95-50-1	W
1,3-Dichlorobenzene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	541-73-1	W
1,4-Dichlorobenzene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	106-46-7	W
Dichlorodifluoromethane	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	75-71-8	W
1,1-Dichloroethane	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	75-34-3	W
1,2-Dichloroethane	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	107-06-2	W
1,1-Dichloroethene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	75-35-4	W
cis-1,2-Dichloroethene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	156-59-2	W
trans-1,2-Dichloroethene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	156-60-5	W
1,2-Dichloropropane	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	78-87-5	W
1,3-Dichloropropane	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	142-28-9	W
2,2-Dichloropropane	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	594-20-7	W
1,1-Dichloropropene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	563-58-6	W
cis-1,3-Dichloropropene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	10061-01-5	W
trans-1,3-Dichloropropene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	10061-02-6	W
Diisopropyl ether	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	108-20-3	W
Ethylbenzene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	100-41-4	W
Hexachloro-1,3-butadiene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	87-68-3	W
Isopropylbenzene (Cumene)	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	98-82-8	W
p-Isopropyltoluene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	99-87-6	W
Methylene Chloride	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	75-09-2	W
Methyl-tert-butyl ether	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	1634-04-4	W
Naphthalene	<42.6	ug/kg	266	42.6	1	12/18/18 08:30	12/19/18 22:01	91-20-3	W
n-Propylbenzene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	103-65-1	W
Styrene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	100-42-5	W
1,1,1,2-Tetrachloroethane	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	630-20-6	W
1,1,2,2-Tetrachloroethane	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	79-34-5	W
Tetrachloroethene	5530	ug/kg	76.9	32.1	1	12/18/18 08:30	12/19/18 22:01	127-18-4	
Toluene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	108-88-3	W
1,2,3-Trichlorobenzene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	87-61-6	W
1,2,4-Trichlorobenzene	<50.6	ug/kg	266	50.6	1	12/18/18 08:30	12/19/18 22:01	120-82-1	W
1,1,1-Trichloroethane	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	71-55-6	W
1,1,2-Trichloroethane	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	79-00-5	W
Trichloroethene	33.6J	ug/kg	76.9	32.1	1	12/18/18 08:30	12/19/18 22:01	79-01-6	
Trichlorofluoromethane	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	75-69-4	W
1,2,3-Trichloropropane	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	96-18-4	W
1,2,4-Trimethylbenzene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	95-63-6	W
1,3,5-Trimethylbenzene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	108-67-8	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-10(3-4) **Lab ID: 40181066020** Collected: 12/12/18 09:05 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Vinyl chloride	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	75-01-4	W
m&p-Xylene	<53.2	ug/kg	128	53.2	1	12/18/18 08:30	12/19/18 22:01	179601-23-1	W
o-Xylene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 22:01	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	107	%	57-148		1	12/18/18 08:30	12/19/18 22:01	1868-53-7	
Toluene-d8 (S)	93	%	58-142		1	12/18/18 08:30	12/19/18 22:01	2037-26-5	
4-Bromofluorobenzene (S)	87	%	48-130		1	12/18/18 08:30	12/19/18 22:01	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	17.0	%	0.10	0.10	1		12/26/18 11:07		

Sample: GP-10(9-10) **Lab ID: 40181066021** Collected: 12/12/18 09:10 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	71-43-2	W
Bromobenzene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	108-86-1	W
Bromochloromethane	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	74-97-5	W
Bromodichloromethane	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	75-27-4	W
Bromoform	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	75-25-2	W
Bromomethane	<74.4	ug/kg	266	74.4	1	12/18/18 08:30	12/19/18 21:16	74-83-9	L1,W
n-Butylbenzene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	104-51-8	W
sec-Butylbenzene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	135-98-8	W
tert-Butylbenzene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	98-06-6	W
Carbon tetrachloride	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	56-23-5	W
Chlorobenzene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	108-90-7	W
Chloroethane	<71.3	ug/kg	266	71.3	1	12/18/18 08:30	12/19/18 21:16	75-00-3	W
Chloroform	<49.4	ug/kg	266	49.4	1	12/18/18 08:30	12/19/18 21:16	67-66-3	W
Chloromethane	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	74-87-3	W
2-Chlorotoluene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	95-49-8	W
4-Chlorotoluene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	106-43-4	W
1,2-Dibromo-3-chloropropane	<97.1	ug/kg	266	97.1	1	12/18/18 08:30	12/19/18 21:16	96-12-8	W
Dibromochloromethane	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	124-48-1	W
1,2-Dibromoethane (EDB)	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	106-93-4	W
Dibromomethane	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	74-95-3	W
1,2-Dichlorobenzene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	95-50-1	W
1,3-Dichlorobenzene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	541-73-1	W
1,4-Dichlorobenzene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	106-46-7	W
Dichlorodifluoromethane	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	75-71-8	W
1,1-Dichloroethane	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	75-34-3	W
1,2-Dichloroethane	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	107-06-2	W

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-10(9-10) **Lab ID: 40181066021** Collected: 12/12/18 09:10 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1-Dichloroethene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	75-35-4	W
cis-1,2-Dichloroethene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	156-59-2	W
trans-1,2-Dichloroethene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	156-60-5	W
1,2-Dichloropropane	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	78-87-5	W
1,3-Dichloropropane	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	142-28-9	W
2,2-Dichloropropane	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	594-20-7	W
1,1-Dichloropropene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	563-58-6	W
cis-1,3-Dichloropropene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	10061-01-5	W
trans-1,3-Dichloropropene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	10061-02-6	W
Diisopropyl ether	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	108-20-3	W
Ethylbenzene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	100-41-4	W
Hexachloro-1,3-butadiene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	87-68-3	W
Isopropylbenzene (Cumene)	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	98-82-8	W
p-Isopropyltoluene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	99-87-6	W
Methylene Chloride	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	75-09-2	W
Methyl-tert-butyl ether	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	1634-04-4	W
Naphthalene	<42.6	ug/kg	266	42.6	1	12/18/18 08:30	12/19/18 21:16	91-20-3	W
n-Propylbenzene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	103-65-1	W
Styrene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	100-42-5	W
1,1,1,2-Tetrachloroethane	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	630-20-6	W
1,1,1,2,2-Tetrachloroethane	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	79-34-5	W
Tetrachloroethene	347	ug/kg	79.0	32.9	1	12/18/18 08:30	12/19/18 21:16	127-18-4	
Toluene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	108-88-3	W
1,2,3-Trichlorobenzene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	87-61-6	W
1,2,4-Trichlorobenzene	<50.6	ug/kg	266	50.6	1	12/18/18 08:30	12/19/18 21:16	120-82-1	W
1,1,1-Trichloroethane	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	71-55-6	W
1,1,2-Trichloroethane	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	79-00-5	W
Trichloroethene	37.6J	ug/kg	79.0	32.9	1	12/18/18 08:30	12/19/18 21:16	79-01-6	
Trichlorofluoromethane	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	75-69-4	W
1,2,3-Trichloropropane	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	96-18-4	W
1,2,4-Trimethylbenzene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	95-63-6	W
1,3,5-Trimethylbenzene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	108-67-8	W
Vinyl chloride	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	75-01-4	W
m&p-Xylene	<53.2	ug/kg	128	53.2	1	12/18/18 08:30	12/19/18 21:16	179601-23-1	W
o-Xylene	<26.6	ug/kg	63.8	26.6	1	12/18/18 08:30	12/19/18 21:16	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	95	%	57-148		1	12/18/18 08:30	12/19/18 21:16	1868-53-7	
Toluene-d8 (S)	90	%	58-142		1	12/18/18 08:30	12/19/18 21:16	2037-26-5	
4-Bromofluorobenzene (S)	77	%	48-130		1	12/18/18 08:30	12/19/18 21:16	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	19.2	%	0.10	0.10	1	12/26/18 11:08
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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-11(4-5) **Lab ID: 40181066022** Collected: 12/12/18 09:30 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/19/18 08:00	12/19/18 14:24	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/19/18 08:00	12/19/18 14:24	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/19/18 08:00	12/19/18 14:24	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/19/18 08:00	12/19/18 14:24	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	12/19/18 08:00	12/19/18 14:24	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	100-42-5	W

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-11(4-5) **Lab ID: 40181066022** Collected: 12/12/18 09:30 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/19/18 08:00	12/19/18 14:24	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	12/19/18 08:00	12/19/18 14:24	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 14:24	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	87	%	57-148		1	12/19/18 08:00	12/19/18 14:24	1868-53-7	
Toluene-d8 (S)	83	%	58-142		1	12/19/18 08:00	12/19/18 14:24	2037-26-5	
4-Bromofluorobenzene (S)	85	%	48-130		1	12/19/18 08:00	12/19/18 14:24	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture **15.5** % 0.10 0.10 1 12/26/18 11:08

Sample: GP-11(9-10) **Lab ID: 40181066023** Collected: 12/12/18 09:35 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	71-43-2	W
Bromobenzene	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	108-86-1	W
Bromochloromethane	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	74-97-5	W
Bromodichloromethane	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	75-27-4	W
Bromoform	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	75-25-2	W
Bromomethane	<80.2	ug/kg	287	80.2	1	12/19/18 08:00	12/19/18 14:47	74-83-9	W
n-Butylbenzene	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	104-51-8	W
sec-Butylbenzene	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	135-98-8	W
tert-Butylbenzene	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	98-06-6	W
Carbon tetrachloride	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	56-23-5	W
Chlorobenzene	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	108-90-7	W
Chloroethane	<76.9	ug/kg	287	76.9	1	12/19/18 08:00	12/19/18 14:47	75-00-3	W
Chloroform	<53.3	ug/kg	287	53.3	1	12/19/18 08:00	12/19/18 14:47	67-66-3	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-11(9-10) **Lab ID: 40181066023** Collected: 12/12/18 09:35 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Chloromethane	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	74-87-3	W
2-Chlorotoluene	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	95-49-8	W
4-Chlorotoluene	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	106-43-4	W
1,2-Dibromo-3-chloropropane	<105	ug/kg	287	105	1	12/19/18 08:00	12/19/18 14:47	96-12-8	W
Dibromochloromethane	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	124-48-1	W
1,2-Dibromoethane (EDB)	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	106-93-4	W
Dibromomethane	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	74-95-3	W
1,2-Dichlorobenzene	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	95-50-1	W
1,3-Dichlorobenzene	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	541-73-1	W
1,4-Dichlorobenzene	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	106-46-7	W
Dichlorodifluoromethane	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	75-71-8	W
1,1-Dichloroethane	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	75-34-3	W
1,2-Dichloroethane	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	107-06-2	W
1,1-Dichloroethene	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	75-35-4	W
cis-1,2-Dichloroethene	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	156-59-2	W
trans-1,2-Dichloroethene	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	156-60-5	W
1,2-Dichloropropane	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	78-87-5	W
1,3-Dichloropropane	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	142-28-9	W
2,2-Dichloropropane	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	594-20-7	W
1,1-Dichloropropene	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	563-58-6	W
cis-1,3-Dichloropropene	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	10061-01-5	W
trans-1,3-Dichloropropene	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	10061-02-6	W
Diisopropyl ether	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	108-20-3	W
Ethylbenzene	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	100-41-4	W
Hexachloro-1,3-butadiene	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	87-68-3	W
Isopropylbenzene (Cumene)	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	98-82-8	W
p-Isopropyltoluene	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	99-87-6	W
Methylene Chloride	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	75-09-2	W
Methyl-tert-butyl ether	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	1634-04-4	W
Naphthalene	<45.9	ug/kg	287	45.9	1	12/19/18 08:00	12/19/18 14:47	91-20-3	W
n-Propylbenzene	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	103-65-1	W
Styrene	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	100-42-5	W
1,1,1,2-Tetrachloroethane	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	630-20-6	W
1,1,2,2-Tetrachloroethane	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	79-34-5	W
Tetrachloroethene	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	127-18-4	W
Toluene	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	108-88-3	W
1,2,3-Trichlorobenzene	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	87-61-6	W
1,2,4-Trichlorobenzene	<54.5	ug/kg	287	54.5	1	12/19/18 08:00	12/19/18 14:47	120-82-1	W
1,1,1-Trichloroethane	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	71-55-6	W
1,1,2-Trichloroethane	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	79-00-5	W
Trichloroethene	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	79-01-6	W
Trichlorofluoromethane	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	75-69-4	W
1,2,3-Trichloropropane	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	96-18-4	W
1,2,4-Trimethylbenzene	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	95-63-6	W
1,3,5-Trimethylbenzene	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	108-67-8	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-11(9-10) **Lab ID: 40181066023** Collected: 12/12/18 09:35 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Vinyl chloride	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	75-01-4	W
m&p-Xylene	<57.4	ug/kg	138	57.4	1	12/19/18 08:00	12/19/18 14:47	179601-23-1	W
o-Xylene	<28.7	ug/kg	68.8	28.7	1	12/19/18 08:00	12/19/18 14:47	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	93	%	57-148		1	12/19/18 08:00	12/19/18 14:47	1868-53-7	
Toluene-d8 (S)	94	%	58-142		1	12/19/18 08:00	12/19/18 14:47	2037-26-5	
4-Bromofluorobenzene (S)	91	%	48-130		1	12/19/18 08:00	12/19/18 14:47	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	12.8	%	0.10	0.10	1		12/26/18 11:08		

Sample: GP-12(4-5) **Lab ID: 40181066024** Collected: 12/12/18 09:50 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	71-43-2	W
Bromobenzene	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	108-86-1	W
Bromochloromethane	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	74-97-5	W
Bromodichloromethane	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	75-27-4	W
Bromoform	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	75-25-2	W
Bromomethane	<87.6	ug/kg	313	87.6	1	12/19/18 08:00	12/19/18 15:11	74-83-9	W
n-Butylbenzene	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	104-51-8	W
sec-Butylbenzene	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	135-98-8	W
tert-Butylbenzene	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	98-06-6	W
Carbon tetrachloride	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	56-23-5	W
Chlorobenzene	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	108-90-7	W
Chloroethane	<84.0	ug/kg	313	84.0	1	12/19/18 08:00	12/19/18 15:11	75-00-3	W
Chloroform	<58.2	ug/kg	313	58.2	1	12/19/18 08:00	12/19/18 15:11	67-66-3	W
Chloromethane	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	74-87-3	W
2-Chlorotoluene	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	95-49-8	W
4-Chlorotoluene	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	106-43-4	W
1,2-Dibromo-3-chloropropane	<114	ug/kg	313	114	1	12/19/18 08:00	12/19/18 15:11	96-12-8	W
Dibromochloromethane	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	124-48-1	W
1,2-Dibromoethane (EDB)	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	106-93-4	W
Dibromomethane	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	74-95-3	W
1,2-Dichlorobenzene	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	95-50-1	W
1,3-Dichlorobenzene	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	541-73-1	W
1,4-Dichlorobenzene	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	106-46-7	W
Dichlorodifluoromethane	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	75-71-8	W
1,1-Dichloroethane	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	75-34-3	W
1,2-Dichloroethane	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	107-06-2	W

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-12(4-5) **Lab ID: 40181066024** Collected: 12/12/18 09:50 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1-Dichloroethene	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	75-35-4	W
cis-1,2-Dichloroethene	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	156-59-2	W
trans-1,2-Dichloroethene	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	156-60-5	W
1,2-Dichloropropane	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	78-87-5	W
1,3-Dichloropropane	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	142-28-9	W
2,2-Dichloropropane	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	594-20-7	W
1,1-Dichloropropene	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	563-58-6	W
cis-1,3-Dichloropropene	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	10061-01-5	W
trans-1,3-Dichloropropene	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	10061-02-6	W
Diisopropyl ether	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	108-20-3	W
Ethylbenzene	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	100-41-4	W
Hexachloro-1,3-butadiene	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	87-68-3	W
Isopropylbenzene (Cumene)	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	98-82-8	W
p-Isopropyltoluene	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	99-87-6	W
Methylene Chloride	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	75-09-2	W
Methyl-tert-butyl ether	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	1634-04-4	W
Naphthalene	<50.2	ug/kg	313	50.2	1	12/19/18 08:00	12/19/18 15:11	91-20-3	W
n-Propylbenzene	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	103-65-1	W
Styrene	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	100-42-5	W
1,1,1,2-Tetrachloroethane	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	630-20-6	W
1,1,2,2-Tetrachloroethane	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	79-34-5	W
Tetrachloroethene	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	127-18-4	W
Toluene	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	108-88-3	W
1,2,3-Trichlorobenzene	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	87-61-6	W
1,2,4-Trichlorobenzene	<59.6	ug/kg	313	59.6	1	12/19/18 08:00	12/19/18 15:11	120-82-1	W
1,1,1-Trichloroethane	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	71-55-6	W
1,1,2-Trichloroethane	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	79-00-5	W
Trichloroethene	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	79-01-6	W
Trichlorofluoromethane	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	75-69-4	W
1,2,3-Trichloropropane	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	96-18-4	W
1,2,4-Trimethylbenzene	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	95-63-6	W
1,3,5-Trimethylbenzene	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	108-67-8	W
Vinyl chloride	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	75-01-4	W
m&p-Xylene	<62.7	ug/kg	150	62.7	1	12/19/18 08:00	12/19/18 15:11	179601-23-1	W
o-Xylene	<31.3	ug/kg	75.2	31.3	1	12/19/18 08:00	12/19/18 15:11	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	90	%	57-148		1	12/19/18 08:00	12/19/18 15:11	1868-53-7	
Toluene-d8 (S)	88	%	58-142		1	12/19/18 08:00	12/19/18 15:11	2037-26-5	
4-Bromofluorobenzene (S)	86	%	48-130		1	12/19/18 08:00	12/19/18 15:11	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	20.2	%	0.10	0.10	1		12/26/18 11:08		
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-12(7-8) **Lab ID: 40181066025** Collected: 12/12/18 10:00 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/19/18 08:00	12/19/18 13:38	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/19/18 08:00	12/19/18 13:38	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/19/18 08:00	12/19/18 13:38	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/19/18 08:00	12/19/18 13:38	96-12-8	R1,W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	12/19/18 08:00	12/19/18 13:38	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-12(7-8) Lab ID: **40181066025** Collected: 12/12/18 10:00 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	79-34-5	W
Tetrachloroethene	299	ug/kg	66.5	27.7	1	12/19/18 08:00	12/19/18 13:38	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/19/18 08:00	12/19/18 13:38	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	12/19/18 08:00	12/19/18 13:38	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 13:38	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	96	%	57-148		1	12/19/18 08:00	12/19/18 13:38	1868-53-7	
Toluene-d8 (S)	93	%	58-142		1	12/19/18 08:00	12/19/18 13:38	2037-26-5	
4-Bromofluorobenzene (S)	90	%	48-130		1	12/19/18 08:00	12/19/18 13:38	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture **9.8** % 0.10 0.10 1 12/26/18 11:08

Sample: GP-13(2-3) Lab ID: **40181066026** Collected: 12/12/18 10:40 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	71-43-2	W
Bromobenzene	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	108-86-1	W
Bromochloromethane	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	74-97-5	W
Bromodichloromethane	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	75-27-4	W
Bromoform	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	75-25-2	W
Bromomethane	<84.0	ug/kg	301	84.0	1	12/19/18 08:00	12/19/18 15:34	74-83-9	W
n-Butylbenzene	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	104-51-8	W
sec-Butylbenzene	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	135-98-8	W
tert-Butylbenzene	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	98-06-6	W
Carbon tetrachloride	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	56-23-5	W
Chlorobenzene	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	108-90-7	W
Chloroethane	<80.6	ug/kg	301	80.6	1	12/19/18 08:00	12/19/18 15:34	75-00-3	W
Chloroform	<55.8	ug/kg	301	55.8	1	12/19/18 08:00	12/19/18 15:34	67-66-3	W

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-13(2-3) Lab ID: 40181066026 Collected: 12/12/18 10:40 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Chloromethane	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	74-87-3	W
2-Chlorotoluene	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	95-49-8	W
4-Chlorotoluene	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	106-43-4	W
1,2-Dibromo-3-chloropropane	<110	ug/kg	301	110	1	12/19/18 08:00	12/19/18 15:34	96-12-8	W
Dibromochloromethane	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	124-48-1	W
1,2-Dibromoethane (EDB)	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	106-93-4	W
Dibromomethane	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	74-95-3	W
1,2-Dichlorobenzene	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	95-50-1	W
1,3-Dichlorobenzene	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	541-73-1	W
1,4-Dichlorobenzene	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	106-46-7	W
Dichlorodifluoromethane	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	75-71-8	W
1,1-Dichloroethane	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	75-34-3	W
1,2-Dichloroethane	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	107-06-2	W
1,1-Dichloroethene	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	75-35-4	W
cis-1,2-Dichloroethene	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	156-59-2	W
trans-1,2-Dichloroethene	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	156-60-5	W
1,2-Dichloropropane	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	78-87-5	W
1,3-Dichloropropane	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	142-28-9	W
2,2-Dichloropropane	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	594-20-7	W
1,1-Dichloropropene	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	563-58-6	W
cis-1,3-Dichloropropene	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	10061-01-5	W
trans-1,3-Dichloropropene	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	10061-02-6	W
Diisopropyl ether	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	108-20-3	W
Ethylbenzene	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	100-41-4	W
Hexachloro-1,3-butadiene	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	87-68-3	W
Isopropylbenzene (Cumene)	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	98-82-8	W
p-Isopropyltoluene	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	99-87-6	W
Methylene Chloride	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	75-09-2	W
Methyl-tert-butyl ether	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	1634-04-4	W
Naphthalene	<48.1	ug/kg	301	48.1	1	12/19/18 08:00	12/19/18 15:34	91-20-3	W
n-Propylbenzene	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	103-65-1	W
Styrene	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	100-42-5	W
1,1,1,2-Tetrachloroethane	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	630-20-6	W
1,1,2,2-Tetrachloroethane	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	79-34-5	W
Tetrachloroethene	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	127-18-4	W
Toluene	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	108-88-3	W
1,2,3-Trichlorobenzene	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	87-61-6	W
1,2,4-Trichlorobenzene	<57.2	ug/kg	301	57.2	1	12/19/18 08:00	12/19/18 15:34	120-82-1	W
1,1,1-Trichloroethane	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	71-55-6	W
1,1,2-Trichloroethane	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	79-00-5	W
Trichloroethene	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	79-01-6	W
Trichlorofluoromethane	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	75-69-4	W
1,2,3-Trichloropropane	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	96-18-4	W
1,2,4-Trimethylbenzene	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	95-63-6	W
1,3,5-Trimethylbenzene	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	108-67-8	W

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-13(2-3) **Lab ID: 40181066026** Collected: 12/12/18 10:40 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Vinyl chloride	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	75-01-4	W
m&p-Xylene	<60.1	ug/kg	144	60.1	1	12/19/18 08:00	12/19/18 15:34	179601-23-1	W
o-Xylene	<30.1	ug/kg	72.1	30.1	1	12/19/18 08:00	12/19/18 15:34	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	87	%	57-148		1	12/19/18 08:00	12/19/18 15:34	1868-53-7	
Toluene-d8 (S)	88	%	58-142		1	12/19/18 08:00	12/19/18 15:34	2037-26-5	
4-Bromofluorobenzene (S)	88	%	48-130		1	12/19/18 08:00	12/19/18 15:34	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	16.8	%	0.10	0.10	1		12/26/18 11:08		

Sample: GP-13(9-10) **Lab ID: 40181066027** Collected: 12/12/18 10:50 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/19/18 08:00	12/19/18 22:08	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/19/18 08:00	12/19/18 22:08	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/19/18 08:00	12/19/18 22:08	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/19/18 08:00	12/19/18 22:08	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	107-06-2	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-13(9-10) **Lab ID: 40181066027** Collected: 12/12/18 10:50 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	12/19/18 08:00	12/19/18 22:08	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/19/18 08:00	12/19/18 22:08	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	12/19/18 08:00	12/19/18 22:08	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 22:08	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	88	%	57-148		1	12/19/18 08:00	12/19/18 22:08	1868-53-7	
Toluene-d8 (S)	86	%	58-142		1	12/19/18 08:00	12/19/18 22:08	2037-26-5	
4-Bromofluorobenzene (S)	85	%	48-130		1	12/19/18 08:00	12/19/18 22:08	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	21.1	%	0.10	0.10	1		12/14/18 18:59		
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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-14(3-4) **Lab ID: 40181066028** Collected: 12/12/18 11:20 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	71-43-2	W
Bromobenzene	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	108-86-1	W
Bromochloromethane	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	74-97-5	W
Bromodichloromethane	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	75-27-4	W
Bromoform	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	75-25-2	W
Bromomethane	<88.4	ug/kg	316	88.4	1	12/19/18 08:00	12/19/18 22:31	74-83-9	W
n-Butylbenzene	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	104-51-8	W
sec-Butylbenzene	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	135-98-8	W
tert-Butylbenzene	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	98-06-6	W
Carbon tetrachloride	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	56-23-5	W
Chlorobenzene	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	108-90-7	W
Chloroethane	<84.7	ug/kg	316	84.7	1	12/19/18 08:00	12/19/18 22:31	75-00-3	W
Chloroform	<58.7	ug/kg	316	58.7	1	12/19/18 08:00	12/19/18 22:31	67-66-3	W
Chloromethane	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	74-87-3	W
2-Chlorotoluene	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	95-49-8	W
4-Chlorotoluene	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	106-43-4	W
1,2-Dibromo-3-chloropropane	<115	ug/kg	316	115	1	12/19/18 08:00	12/19/18 22:31	96-12-8	W
Dibromochloromethane	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	124-48-1	W
1,2-Dibromoethane (EDB)	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	106-93-4	W
Dibromomethane	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	74-95-3	W
1,2-Dichlorobenzene	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	95-50-1	W
1,3-Dichlorobenzene	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	541-73-1	W
1,4-Dichlorobenzene	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	106-46-7	W
Dichlorodifluoromethane	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	75-71-8	W
1,1-Dichloroethane	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	75-34-3	W
1,2-Dichloroethane	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	107-06-2	W
1,1-Dichloroethene	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	75-35-4	W
cis-1,2-Dichloroethene	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	156-59-2	W
trans-1,2-Dichloroethene	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	156-60-5	W
1,2-Dichloropropane	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	78-87-5	W
1,3-Dichloropropane	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	142-28-9	W
2,2-Dichloropropane	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	594-20-7	W
1,1-Dichloropropene	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	563-58-6	W
cis-1,3-Dichloropropene	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	10061-01-5	W
trans-1,3-Dichloropropene	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	10061-02-6	W
Diisopropyl ether	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	108-20-3	W
Ethylbenzene	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	100-41-4	W
Hexachloro-1,3-butadiene	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	87-68-3	W
Isopropylbenzene (Cumene)	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	98-82-8	W
p-Isopropyltoluene	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	99-87-6	W
Methylene Chloride	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	75-09-2	W
Methyl-tert-butyl ether	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	1634-04-4	W
Naphthalene	<50.6	ug/kg	316	50.6	1	12/19/18 08:00	12/19/18 22:31	91-20-3	W
n-Propylbenzene	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	103-65-1	W
Styrene	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	100-42-5	W

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-14(3-4) **Lab ID: 40181066028** Collected: 12/12/18 11:20 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,1,1,2-Tetrachloroethane	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	630-20-6	W
1,1,2,2-Tetrachloroethane	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	79-34-5	W
Tetrachloroethene	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	127-18-4	W
Toluene	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	108-88-3	W
1,2,3-Trichlorobenzene	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	87-61-6	W
1,2,4-Trichlorobenzene	<60.1	ug/kg	316	60.1	1	12/19/18 08:00	12/19/18 22:31	120-82-1	W
1,1,1-Trichloroethane	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	71-55-6	W
1,1,2-Trichloroethane	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	79-00-5	W
Trichloroethene	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	79-01-6	W
Trichlorofluoromethane	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	75-69-4	W
1,2,3-Trichloropropane	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	96-18-4	W
1,2,4-Trimethylbenzene	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	95-63-6	W
1,3,5-Trimethylbenzene	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	108-67-8	W
Vinyl chloride	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	75-01-4	W
m&p-Xylene	<63.2	ug/kg	152	63.2	1	12/19/18 08:00	12/19/18 22:31	179601-23-1	W
o-Xylene	<31.6	ug/kg	75.8	31.6	1	12/19/18 08:00	12/19/18 22:31	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	92	%	57-148		1	12/19/18 08:00	12/19/18 22:31	1868-53-7	
Toluene-d8 (S)	83	%	58-142		1	12/19/18 08:00	12/19/18 22:31	2037-26-5	
4-Bromofluorobenzene (S)	91	%	48-130		1	12/19/18 08:00	12/19/18 22:31	460-00-4	

Percent Moisture Analytical Method: ASTM D2974-87

Percent Moisture **17.6** % 0.10 0.10 1 12/26/18 11:08

Sample: GP-14(11-12) **Lab ID: 40181066029** Collected: 12/12/18 11:40 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	71-43-2	W
Bromobenzene	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	108-86-1	W
Bromochloromethane	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	74-97-5	W
Bromodichloromethane	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	75-27-4	W
Bromoform	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	75-25-2	W
Bromomethane	<88.2	ug/kg	315	88.2	1	12/19/18 08:00	12/19/18 22:54	74-83-9	W
n-Butylbenzene	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	104-51-8	W
sec-Butylbenzene	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	135-98-8	W
tert-Butylbenzene	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	98-06-6	W
Carbon tetrachloride	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	56-23-5	W
Chlorobenzene	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	108-90-7	W
Chloroethane	<84.5	ug/kg	315	84.5	1	12/19/18 08:00	12/19/18 22:54	75-00-3	W
Chloroform	<58.6	ug/kg	315	58.6	1	12/19/18 08:00	12/19/18 22:54	67-66-3	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-14(11-12) **Lab ID: 40181066029** Collected: 12/12/18 11:40 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Chloromethane	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	74-87-3	W
2-Chlorotoluene	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	95-49-8	W
4-Chlorotoluene	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	106-43-4	W
1,2-Dibromo-3-chloropropane	<115	ug/kg	315	115	1	12/19/18 08:00	12/19/18 22:54	96-12-8	W
Dibromochloromethane	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	124-48-1	W
1,2-Dibromoethane (EDB)	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	106-93-4	W
Dibromomethane	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	74-95-3	W
1,2-Dichlorobenzene	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	95-50-1	W
1,3-Dichlorobenzene	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	541-73-1	W
1,4-Dichlorobenzene	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	106-46-7	W
Dichlorodifluoromethane	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	75-71-8	W
1,1-Dichloroethane	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	75-34-3	W
1,2-Dichloroethane	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	107-06-2	W
1,1-Dichloroethene	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	75-35-4	W
cis-1,2-Dichloroethene	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	156-59-2	W
trans-1,2-Dichloroethene	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	156-60-5	W
1,2-Dichloropropane	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	78-87-5	W
1,3-Dichloropropane	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	142-28-9	W
2,2-Dichloropropane	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	594-20-7	W
1,1-Dichloropropene	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	563-58-6	W
cis-1,3-Dichloropropene	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	10061-01-5	W
trans-1,3-Dichloropropene	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	10061-02-6	W
Diisopropyl ether	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	108-20-3	W
Ethylbenzene	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	100-41-4	W
Hexachloro-1,3-butadiene	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	87-68-3	W
Isopropylbenzene (Cumene)	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	98-82-8	W
p-Isopropyltoluene	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	99-87-6	W
Methylene Chloride	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	75-09-2	W
Methyl-tert-butyl ether	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	1634-04-4	W
Naphthalene	<50.5	ug/kg	315	50.5	1	12/19/18 08:00	12/19/18 22:54	91-20-3	W
n-Propylbenzene	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	103-65-1	W
Styrene	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	100-42-5	W
1,1,1,2-Tetrachloroethane	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	630-20-6	W
1,1,2,2-Tetrachloroethane	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	79-34-5	W
Tetrachloroethene	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	127-18-4	W
Toluene	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	108-88-3	W
1,2,3-Trichlorobenzene	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	87-61-6	W
1,2,4-Trichlorobenzene	<60.0	ug/kg	315	60.0	1	12/19/18 08:00	12/19/18 22:54	120-82-1	W
1,1,1-Trichloroethane	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	71-55-6	W
1,1,2-Trichloroethane	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	79-00-5	W
Trichloroethene	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	79-01-6	W
Trichlorofluoromethane	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	75-69-4	W
1,2,3-Trichloropropane	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	96-18-4	W
1,2,4-Trimethylbenzene	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	95-63-6	W
1,3,5-Trimethylbenzene	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	108-67-8	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-14(11-12) **Lab ID: 40181066029** Collected: 12/12/18 11:40 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Vinyl chloride	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	75-01-4	W
m&p-Xylene	<63.1	ug/kg	151	63.1	1	12/19/18 08:00	12/19/18 22:54	179601-23-1	W
o-Xylene	<31.5	ug/kg	75.7	31.5	1	12/19/18 08:00	12/19/18 22:54	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	92	%	57-148		1	12/19/18 08:00	12/19/18 22:54	1868-53-7	
Toluene-d8 (S)	84	%	58-142		1	12/19/18 08:00	12/19/18 22:54	2037-26-5	
4-Bromofluorobenzene (S)	88	%	48-130		1	12/19/18 08:00	12/19/18 22:54	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	20.7	%	0.10	0.10	1		12/26/18 11:08		

Sample: GP-15(2-3) **Lab ID: 40181066030** Collected: 12/12/18 12:20 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/19/18 08:00	12/19/18 23:17	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/19/18 08:00	12/19/18 23:17	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/19/18 08:00	12/19/18 23:17	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/19/18 08:00	12/19/18 23:17	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	107-06-2	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-15(2-3) **Lab ID: 40181066030** Collected: 12/12/18 12:20 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	12/19/18 08:00	12/19/18 23:17	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	79-34-5	W
Tetrachloroethene	144	ug/kg	69.1	28.8	1	12/19/18 08:00	12/19/18 23:17	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/19/18 08:00	12/19/18 23:17	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	12/19/18 08:00	12/19/18 23:17	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 23:17	95-47-6	W

Surrogates

Dibromofluoromethane (S)	89	%	57-148		1	12/19/18 08:00	12/19/18 23:17	1868-53-7	
Toluene-d8 (S)	82	%	58-142		1	12/19/18 08:00	12/19/18 23:17	2037-26-5	
4-Bromofluorobenzene (S)	79	%	48-130		1	12/19/18 08:00	12/19/18 23:17	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	13.2	%	0.10	0.10	1		12/26/18 11:08		
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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-15(2-3)DUP Lab ID: 40181066031 Collected: 12/12/18 12:20 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/19/18 08:00	12/19/18 19:03	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/19/18 08:00	12/19/18 19:03	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/19/18 08:00	12/19/18 19:03	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/19/18 08:00	12/19/18 19:03	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/20/18 18:47	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	12/19/18 08:00	12/19/18 19:03	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-15(2-3)DUP **Lab ID: 40181066031** Collected: 12/12/18 12:20 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/19/18 08:00	12/19/18 19:03	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	12/19/18 08:00	12/19/18 19:03	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 19:03	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	80	%	57-148		1	12/19/18 08:00	12/19/18 19:03	1868-53-7	
Toluene-d8 (S)	80	%	58-142		1	12/19/18 08:00	12/19/18 19:03	2037-26-5	
4-Bromofluorobenzene (S)	83	%	48-130		1	12/19/18 08:00	12/19/18 19:03	460-00-4	

Percent Moisture Analytical Method: ASTM D2974-87

Percent Moisture **13.1** % 0.10 0.10 1 12/26/18 11:08

Sample: GP-15(10-11) **Lab ID: 40181066032** Collected: 12/12/18 12:35 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	71-43-2	W
Bromobenzene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	108-86-1	W
Bromochloromethane	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	74-97-5	W
Bromodichloromethane	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	75-27-4	W
Bromoform	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	75-25-2	W
Bromomethane	<79.0	ug/kg	283	79.0	1	12/19/18 08:00	12/19/18 19:26	74-83-9	W
n-Butylbenzene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	104-51-8	W
sec-Butylbenzene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	135-98-8	W
tert-Butylbenzene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	98-06-6	W
Carbon tetrachloride	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	56-23-5	W
Chlorobenzene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	108-90-7	W
Chloroethane	<75.7	ug/kg	283	75.7	1	12/19/18 08:00	12/19/18 19:26	75-00-3	W
Chloroform	<52.5	ug/kg	283	52.5	1	12/19/18 08:00	12/19/18 19:26	67-66-3	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-15(10-11) Lab ID: 40181066032 Collected: 12/12/18 12:35 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Chloromethane	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	74-87-3	W
2-Chlorotoluene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	95-49-8	W
4-Chlorotoluene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	106-43-4	W
1,2-Dibromo-3-chloropropane	<103	ug/kg	283	103	1	12/19/18 08:00	12/19/18 19:26	96-12-8	W
Dibromochloromethane	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	124-48-1	W
1,2-Dibromoethane (EDB)	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	106-93-4	W
Dibromomethane	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	74-95-3	W
1,2-Dichlorobenzene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	95-50-1	W
1,3-Dichlorobenzene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	541-73-1	W
1,4-Dichlorobenzene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	106-46-7	W
Dichlorodifluoromethane	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	75-71-8	W
1,1-Dichloroethane	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	75-34-3	W
1,2-Dichloroethane	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	107-06-2	W
1,1-Dichloroethene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	75-35-4	W
cis-1,2-Dichloroethene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	156-59-2	W
trans-1,2-Dichloroethene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	156-60-5	W
1,2-Dichloropropane	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	78-87-5	W
1,3-Dichloropropane	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	142-28-9	W
2,2-Dichloropropane	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	594-20-7	W
1,1-Dichloropropene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	563-58-6	W
cis-1,3-Dichloropropene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	10061-01-5	W
trans-1,3-Dichloropropene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	10061-02-6	W
Diisopropyl ether	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	108-20-3	W
Ethylbenzene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	100-41-4	W
Hexachloro-1,3-butadiene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	87-68-3	W
Isopropylbenzene (Cumene)	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	98-82-8	W
p-Isopropyltoluene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	99-87-6	W
Methylene Chloride	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	75-09-2	W
Methyl-tert-butyl ether	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	1634-04-4	W
Naphthalene	<45.3	ug/kg	283	45.3	1	12/19/18 08:00	12/19/18 19:26	91-20-3	W
n-Propylbenzene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	103-65-1	W
Styrene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	100-42-5	W
1,1,1,2-Tetrachloroethane	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	630-20-6	W
1,1,2,2-Tetrachloroethane	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	79-34-5	W
Tetrachloroethene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	127-18-4	W
Toluene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	108-88-3	W
1,2,3-Trichlorobenzene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	87-61-6	W
1,2,4-Trichlorobenzene	<53.7	ug/kg	283	53.7	1	12/19/18 08:00	12/19/18 19:26	120-82-1	W
1,1,1-Trichloroethane	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	71-55-6	W
1,1,2-Trichloroethane	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	79-00-5	W
Trichloroethene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	79-01-6	W
Trichlorofluoromethane	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	75-69-4	W
1,2,3-Trichloropropane	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	96-18-4	W
1,2,4-Trimethylbenzene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	95-63-6	W
1,3,5-Trimethylbenzene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	108-67-8	W

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-15(10-11) **Lab ID: 40181066032** Collected: 12/12/18 12:35 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Vinyl chloride	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	75-01-4	W
m&p-Xylene	<56.5	ug/kg	136	56.5	1	12/19/18 08:00	12/19/18 19:26	179601-23-1	W
o-Xylene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:26	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	98	%	57-148		1	12/19/18 08:00	12/19/18 19:26	1868-53-7	
Toluene-d8 (S)	91	%	58-142		1	12/19/18 08:00	12/19/18 19:26	2037-26-5	
4-Bromofluorobenzene (S)	95	%	48-130		1	12/19/18 08:00	12/19/18 19:26	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	11.5	%	0.10	0.10	1		12/26/18 11:09		

Sample: GP-15(10-11)DUP **Lab ID: 40181066033** Collected: 12/12/18 12:35 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	71-43-2	W
Bromobenzene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	108-86-1	W
Bromochloromethane	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	74-97-5	W
Bromodichloromethane	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	75-27-4	W
Bromoform	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	75-25-2	W
Bromomethane	<79.0	ug/kg	283	79.0	1	12/19/18 08:00	12/19/18 19:49	74-83-9	W
n-Butylbenzene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	104-51-8	W
sec-Butylbenzene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	135-98-8	W
tert-Butylbenzene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	98-06-6	W
Carbon tetrachloride	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	56-23-5	W
Chlorobenzene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	108-90-7	W
Chloroethane	<75.7	ug/kg	283	75.7	1	12/19/18 08:00	12/19/18 19:49	75-00-3	W
Chloroform	<52.5	ug/kg	283	52.5	1	12/19/18 08:00	12/19/18 19:49	67-66-3	W
Chloromethane	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	74-87-3	W
2-Chlorotoluene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	95-49-8	W
4-Chlorotoluene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	106-43-4	W
1,2-Dibromo-3-chloropropane	<103	ug/kg	283	103	1	12/19/18 08:00	12/19/18 19:49	96-12-8	W
Dibromochloromethane	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	124-48-1	W
1,2-Dibromoethane (EDB)	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	106-93-4	W
Dibromomethane	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	74-95-3	W
1,2-Dichlorobenzene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	95-50-1	W
1,3-Dichlorobenzene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	541-73-1	W
1,4-Dichlorobenzene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	106-46-7	W
Dichlorodifluoromethane	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	75-71-8	W
1,1-Dichloroethane	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	75-34-3	W
1,2-Dichloroethane	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	107-06-2	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: GP-15(10-11)DUP **Lab ID: 40181066033** Collected: 12/12/18 12:35 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1-Dichloroethene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	75-35-4	W
cis-1,2-Dichloroethene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	156-59-2	W
trans-1,2-Dichloroethene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	156-60-5	W
1,2-Dichloropropane	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	78-87-5	W
1,3-Dichloropropane	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	142-28-9	W
2,2-Dichloropropane	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	594-20-7	W
1,1-Dichloropropene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	563-58-6	W
cis-1,3-Dichloropropene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	10061-01-5	W
trans-1,3-Dichloropropene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	10061-02-6	W
Diisopropyl ether	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	108-20-3	W
Ethylbenzene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	100-41-4	W
Hexachloro-1,3-butadiene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	87-68-3	W
Isopropylbenzene (Cumene)	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	98-82-8	W
p-Isopropyltoluene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	99-87-6	W
Methylene Chloride	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	75-09-2	W
Methyl-tert-butyl ether	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	1634-04-4	W
Naphthalene	<45.3	ug/kg	283	45.3	1	12/19/18 08:00	12/19/18 19:49	91-20-3	W
n-Propylbenzene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	103-65-1	W
Styrene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	100-42-5	W
1,1,1,2-Tetrachloroethane	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	630-20-6	W
1,1,2,2-Tetrachloroethane	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	79-34-5	W
Tetrachloroethene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	127-18-4	W
Toluene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	108-88-3	W
1,2,3-Trichlorobenzene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	87-61-6	W
1,2,4-Trichlorobenzene	<53.7	ug/kg	283	53.7	1	12/19/18 08:00	12/19/18 19:49	120-82-1	W
1,1,1-Trichloroethane	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	71-55-6	W
1,1,2-Trichloroethane	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	79-00-5	W
Trichloroethene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	79-01-6	W
Trichlorofluoromethane	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	75-69-4	W
1,2,3-Trichloropropane	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	96-18-4	W
1,2,4-Trimethylbenzene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	95-63-6	W
1,3,5-Trimethylbenzene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	108-67-8	W
Vinyl chloride	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	75-01-4	W
m&p-Xylene	<56.5	ug/kg	136	56.5	1	12/19/18 08:00	12/19/18 19:49	179601-23-1	W
o-Xylene	<28.3	ug/kg	67.8	28.3	1	12/19/18 08:00	12/19/18 19:49	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	97	%	57-148		1	12/19/18 08:00	12/19/18 19:49	1868-53-7	
Toluene-d8 (S)	92	%	58-142		1	12/19/18 08:00	12/19/18 19:49	2037-26-5	
4-Bromofluorobenzene (S)	90	%	48-130		1	12/19/18 08:00	12/19/18 19:49	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	11.5	%	0.10	0.10	1	12/26/18 11:09
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: **MEOH BLANK** Lab ID: **40181066034** Collected: 12/12/18 00:00 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/19/18 08:00	12/19/18 12:52	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/19/18 08:00	12/19/18 12:52	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/19/18 08:00	12/19/18 12:52	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/19/18 08:00	12/19/18 12:52	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	12/19/18 08:00	12/19/18 12:52	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Sample: **MEOH BLANK** Lab ID: **40181066034** Collected: 12/12/18 00:00 Received: 12/14/18 15:30 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/19/18 08:00	12/19/18 12:52	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	12/19/18 08:00	12/19/18 12:52	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	12/19/18 08:00	12/19/18 12:52	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	102	%	57-148		1	12/19/18 08:00	12/19/18 12:52	1868-53-7	
Toluene-d8 (S)	94	%	58-142		1	12/19/18 08:00	12/19/18 12:52	2037-26-5	
4-Bromofluorobenzene (S)	99	%	48-130		1	12/19/18 08:00	12/19/18 12:52	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CHE80940Q MNSC SI
Pace Project No.: 40181066

QC Batch:	309517	Analysis Method:	EPA 8260
QC Batch Method:	EPA 5035/5030B	Analysis Description:	8260 MSV Med Level Normal List
Associated Lab Samples:	40181066002, 40181066003, 40181066004, 40181066005, 40181066006, 40181066007, 40181066008, 40181066009, 40181066010, 40181066011, 40181066012, 40181066013, 40181066014, 40181066015, 40181066016, 40181066017, 40181066018, 40181066019, 40181066020, 40181066021		

METHOD BLANK:	1807916	Matrix:	Solid
Associated Lab Samples:	40181066002, 40181066003, 40181066004, 40181066005, 40181066006, 40181066007, 40181066008, 40181066009, 40181066010, 40181066011, 40181066012, 40181066013, 40181066014, 40181066015, 40181066016, 40181066017, 40181066018, 40181066019, 40181066020, 40181066021		

Parameter	Units	Blank Reporting		Analyzed	Qualifiers
		Result	Limit		
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	12/19/18 09:24	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	12/19/18 09:24	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	12/19/18 09:24	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	12/19/18 09:24	
1,1-Dichloroethane	ug/kg	<17.6	50.0	12/19/18 09:24	
1,1-Dichloroethene	ug/kg	<17.6	50.0	12/19/18 09:24	
1,1-Dichloropropene	ug/kg	<14.0	50.0	12/19/18 09:24	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	12/19/18 09:24	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	12/19/18 09:24	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	12/19/18 09:24	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	12/19/18 09:24	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	12/19/18 09:24	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	12/19/18 09:24	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	12/19/18 09:24	
1,2-Dichloroethane	ug/kg	<15.0	50.0	12/19/18 09:24	
1,2-Dichloropropane	ug/kg	<16.8	50.0	12/19/18 09:24	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	12/19/18 09:24	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	12/19/18 09:24	
1,3-Dichloropropane	ug/kg	<12.0	50.0	12/19/18 09:24	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	12/19/18 09:24	
2,2-Dichloropropane	ug/kg	<12.6	50.0	12/19/18 09:24	
2-Chlorotoluene	ug/kg	<15.8	50.0	12/19/18 09:24	
4-Chlorotoluene	ug/kg	<13.0	50.0	12/19/18 09:24	
Benzene	ug/kg	<9.2	20.0	12/19/18 09:24	
Bromobenzene	ug/kg	<20.6	50.0	12/19/18 09:24	
Bromochloromethane	ug/kg	<21.4	50.0	12/19/18 09:24	
Bromodichloromethane	ug/kg	<9.8	50.0	12/19/18 09:24	
Bromoform	ug/kg	<19.8	50.0	12/19/18 09:24	
Bromomethane	ug/kg	<69.9	250	12/19/18 09:24	
Carbon tetrachloride	ug/kg	<12.1	50.0	12/19/18 09:24	
Chlorobenzene	ug/kg	<14.8	50.0	12/19/18 09:24	
Chloroethane	ug/kg	<67.0	250	12/19/18 09:24	
Chloroform	ug/kg	<46.4	250	12/19/18 09:24	
Chloromethane	ug/kg	<20.4	50.0	12/19/18 09:24	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	12/19/18 09:24	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	12/19/18 09:24	
Dibromochloromethane	ug/kg	<17.9	50.0	12/19/18 09:24	
Dibromomethane	ug/kg	<19.3	50.0	12/19/18 09:24	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

METHOD BLANK: 1807916

Matrix: Solid

Associated Lab Samples: 40181066002, 40181066003, 40181066004, 40181066005, 40181066006, 40181066007, 40181066008, 40181066009, 40181066010, 40181066011, 40181066012, 40181066013, 40181066014, 40181066015, 40181066016, 40181066017, 40181066018, 40181066019, 40181066020, 40181066021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/kg	<12.3	50.0	12/19/18 09:24	
Diisopropyl ether	ug/kg	<17.7	50.0	12/19/18 09:24	
Ethylbenzene	ug/kg	<12.4	50.0	12/19/18 09:24	
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	12/19/18 09:24	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	12/19/18 09:24	
m&p-Xylene	ug/kg	<34.4	100	12/19/18 09:24	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	12/19/18 09:24	
Methylene Chloride	ug/kg	<16.2	50.0	12/19/18 09:24	
n-Butylbenzene	ug/kg	<10.5	50.0	12/19/18 09:24	
n-Propylbenzene	ug/kg	<11.6	50.0	12/19/18 09:24	
Naphthalene	ug/kg	<40.0	250	12/19/18 09:24	
o-Xylene	ug/kg	<14.0	50.0	12/19/18 09:24	
p-Isopropyltoluene	ug/kg	<12.0	50.0	12/19/18 09:24	
sec-Butylbenzene	ug/kg	<11.9	50.0	12/19/18 09:24	
Styrene	ug/kg	<9.0	50.0	12/19/18 09:24	
tert-Butylbenzene	ug/kg	<9.5	50.0	12/19/18 09:24	
Tetrachloroethene	ug/kg	<12.9	50.0	12/19/18 09:24	
Toluene	ug/kg	<11.2	50.0	12/19/18 09:24	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	12/19/18 09:24	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	12/19/18 09:24	
Trichloroethene	ug/kg	<23.6	50.0	12/19/18 09:24	
Trichlorofluoromethane	ug/kg	<24.7	50.0	12/19/18 09:24	
Vinyl chloride	ug/kg	<21.1	50.0	12/19/18 09:24	
4-Bromofluorobenzene (S)	%	93	48-130	12/19/18 09:24	
Dibromofluoromethane (S)	%	112	57-148	12/19/18 09:24	
Toluene-d8 (S)	%	108	58-142	12/19/18 09:24	

LABORATORY CONTROL SAMPLE: 1807917

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2610	105	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2600	104	68-130	
1,1,2-Trichloroethane	ug/kg	2500	2570	103	70-130	
1,1-Dichloroethane	ug/kg	2500	2600	104	67-132	
1,1-Dichloroethene	ug/kg	2500	2400	96	67-128	
1,2,4-Trichlorobenzene	ug/kg	2500	3080	123	51-131	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2630	105	49-117	
1,2-Dibromoethane (EDB)	ug/kg	2500	2400	96	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2830	113	70-130	
1,2-Dichloroethane	ug/kg	2500	2560	103	65-137	
1,2-Dichloropropane	ug/kg	2500	2430	97	75-126	
1,3-Dichlorobenzene	ug/kg	2500	2770	111	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

LABORATORY CONTROL SAMPLE: 1807917

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/kg	2500	2590	103	70-130	
Benzene	ug/kg	2500	2600	104	70-130	
Bromodichloromethane	ug/kg	2500	2490	100	70-130	
Bromoform	ug/kg	2500	2340	94	57-117	
Bromomethane	ug/kg	2500	3440	138	48-135	L1
Carbon tetrachloride	ug/kg	2500	2660	107	65-133	
Chlorobenzene	ug/kg	2500	2560	102	70-130	
Chloroethane	ug/kg	2500	3020	121	37-165	
Chloroform	ug/kg	2500	2550	102	72-126	
Chloromethane	ug/kg	2500	2230	89	34-120	
cis-1,2-Dichloroethene	ug/kg	2500	2580	103	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2270	91	69-130	
Dibromochloromethane	ug/kg	2500	2630	105	68-130	
Dichlorodifluoromethane	ug/kg	2500	1850	74	22-100	
Ethylbenzene	ug/kg	2500	2650	106	79-121	
Isopropylbenzene (Cumene)	ug/kg	2500	2730	109	70-130	
m&p-Xylene	ug/kg	5000	5300	106	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2400	96	66-129	
Methylene Chloride	ug/kg	2500	2390	96	68-129	
o-Xylene	ug/kg	2500	2680	107	70-130	
Styrene	ug/kg	2500	2450	98	70-130	
Tetrachloroethene	ug/kg	2500	2590	104	70-130	
Toluene	ug/kg	2500	2590	104	80-123	
trans-1,2-Dichloroethene	ug/kg	2500	2610	104	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2270	91	67-130	
Trichloroethene	ug/kg	2500	2610	104	70-130	
Trichlorofluoromethane	ug/kg	2500	2680	107	64-134	
Vinyl chloride	ug/kg	2500	2570	103	52-122	
4-Bromofluorobenzene (S)	%			103	48-130	
Dibromofluoromethane (S)	%			102	57-148	
Toluene-d8 (S)	%			99	58-142	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1807918 1807919

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40181066002 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1-Trichloroethane	ug/kg	<25.0	1400	1400	1430	1480	102	105	62-130	3	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1400	1400	1580	1360	113	97	64-137	15	20	
1,1,2-Trichloroethane	ug/kg	<25.0	1400	1400	1510	1470	107	105	70-130	3	20	
1,1-Dichloroethane	ug/kg	<25.0	1400	1400	1490	1530	106	109	65-132	3	20	
1,1-Dichloroethene	ug/kg	<25.0	1400	1400	1360	1400	97	100	50-128	2	21	
1,2,4-Trichlorobenzene	ug/kg	<47.6	1400	1400	1860	1830	133	131	51-148	2	20	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1400	1400	1710	1440	122	103	43-134	17	23	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1400	1400	1450	1410	103	101	70-130	3	20	

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QUALITY CONTROL DATA

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1807918		1807919		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40181066002 Result	MS Spike Conc.	MSD Spike Conc.									
1,2-Dichlorobenzene	ug/kg	<25.0	1400	1400	1600	1600	114	114	70-130	0	20		
1,2-Dichloroethane	ug/kg	<25.0	1400	1400	1510	1560	108	111	65-139	3	20		
1,2-Dichloropropane	ug/kg	<25.0	1400	1400	1410	1440	101	103	74-128	2	20		
1,3-Dichlorobenzene	ug/kg	<25.0	1400	1400	1540	1500	110	107	70-130	3	20		
1,4-Dichlorobenzene	ug/kg	<25.0	1400	1400	1590	1520	114	109	70-130	4	20		
Benzene	ug/kg	<25.0	1400	1400	1470	1500	105	107	66-132	2	20		
Bromodichloromethane	ug/kg	<25.0	1400	1400	1420	1450	101	103	69-130	2	20		
Bromoform	ug/kg	<25.0	1400	1400	1400	1390	100	99	57-130	0	20		
Bromomethane	ug/kg	<69.9	1400	1400	2220	2330	158	166	34-145	5	20	MO	
Carbon tetrachloride	ug/kg	<25.0	1400	1400	1410	1490	100	106	54-133	6	20		
Chlorobenzene	ug/kg	<25.0	1400	1400	1470	1480	105	105	70-130	0	20		
Chloroethane	ug/kg	<67.0	1400	1400	1550	1720	110	123	33-165	10	20		
Chloroform	ug/kg	<46.4	1400	1400	1530	1540	109	110	72-128	1	20		
Chloromethane	ug/kg	<25.0	1400	1400	1290	1390	92	99	20-120	7	20		
cis-1,2-Dichloroethene	ug/kg	<25.0	1400	1400	1470	1530	105	109	69-130	4	20		
cis-1,3-Dichloropropene	ug/kg	<25.0	1400	1400	1330	1300	95	93	65-130	2	20		
Dibromochloromethane	ug/kg	<25.0	1400	1400	1480	1470	105	105	65-130	0	20		
Dichlorodifluoromethane	ug/kg	<25.0	1400	1400	1200	1170	85	83	10-109	3	29		
Ethylbenzene	ug/kg	<25.0	1400	1400	1400	1460	100	104	63-127	4	20		
Isopropylbenzene (Cumene)	ug/kg	<25.0	1400	1400	1470	1510	105	108	66-130	3	20		
m&p-Xylene	ug/kg	<50.0	2800	2800	2960	3010	106	107	70-130	2	20		
Methyl-tert-butyl ether	ug/kg	<25.0	1400	1400	1510	1450	108	104	62-135	4	20		
Methylene Chloride	ug/kg	<25.0	1400	1400	1400	1470	100	105	68-129	5	20		
o-Xylene	ug/kg	<25.0	1400	1400	1470	1490	105	106	69-130	1	20		
Styrene	ug/kg	<25.0	1400	1400	1370	1370	98	97	70-130	0	20		
Tetrachloroethene	ug/kg	<25.0	1400	1400	1480	1470	105	105	70-130	0	20		
Toluene	ug/kg	<25.0	1400	1400	1410	1460	101	104	80-123	4	20		
trans-1,2-Dichloroethene	ug/kg	<25.0	1400	1400	1440	1490	103	106	70-130	3	20		
trans-1,3-Dichloropropene	ug/kg	<25.0	1400	1400	1310	1290	93	92	67-130	1	20		
Trichloroethene	ug/kg	<25.0	1400	1400	1440	1520	103	108	70-130	5	20		
Trichlorofluoromethane	ug/kg	<25.0	1400	1400	1420	1520	101	108	41-134	7	26		
Vinyl chloride	ug/kg	<25.0	1400	1400	1350	1360	96	97	39-122	1	20		
4-Bromofluorobenzene (S)	%						98	98	48-130				
Dibromofluoromethane (S)	%						103	103	57-148				
Toluene-d8 (S)	%						96	97	58-142				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

QC Batch:	309615	Analysis Method:	EPA 8260
QC Batch Method:	EPA 5035/5030B	Analysis Description:	8260 MSV Med Level Normal List
Associated Lab Samples:	40181066001, 40181066022, 40181066023, 40181066024, 40181066025, 40181066026, 40181066027, 40181066028, 40181066029, 40181066030, 40181066031, 40181066032, 40181066033, 40181066034		

METHOD BLANK:	1808446	Matrix:	Solid
Associated Lab Samples:	40181066001, 40181066022, 40181066023, 40181066024, 40181066025, 40181066026, 40181066027, 40181066028, 40181066029, 40181066030, 40181066031, 40181066032, 40181066033, 40181066034		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	12/19/18 10:33	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	12/19/18 10:33	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	12/19/18 10:33	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	12/19/18 10:33	
1,1-Dichloroethane	ug/kg	<17.6	50.0	12/19/18 10:33	
1,1-Dichloroethene	ug/kg	<17.6	50.0	12/19/18 10:33	
1,1-Dichloropropene	ug/kg	<14.0	50.0	12/19/18 10:33	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	12/19/18 10:33	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	12/19/18 10:33	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	12/19/18 10:33	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	12/19/18 10:33	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	12/19/18 10:33	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	12/19/18 10:33	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	12/19/18 10:33	
1,2-Dichloroethane	ug/kg	<15.0	50.0	12/19/18 10:33	
1,2-Dichloropropane	ug/kg	<16.8	50.0	12/19/18 10:33	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	12/19/18 10:33	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	12/19/18 10:33	
1,3-Dichloropropane	ug/kg	<12.0	50.0	12/19/18 10:33	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	12/19/18 10:33	
2,2-Dichloropropane	ug/kg	<12.6	50.0	12/19/18 10:33	
2-Chlorotoluene	ug/kg	<15.8	50.0	12/19/18 10:33	
4-Chlorotoluene	ug/kg	<13.0	50.0	12/19/18 10:33	
Benzene	ug/kg	<9.2	20.0	12/19/18 10:33	
Bromobenzene	ug/kg	<20.6	50.0	12/19/18 10:33	
Bromochloromethane	ug/kg	<21.4	50.0	12/19/18 10:33	
Bromodichloromethane	ug/kg	<9.8	50.0	12/19/18 10:33	
Bromoform	ug/kg	<19.8	50.0	12/19/18 10:33	
Bromomethane	ug/kg	<69.9	250	12/19/18 10:33	
Carbon tetrachloride	ug/kg	<12.1	50.0	12/19/18 10:33	
Chlorobenzene	ug/kg	<14.8	50.0	12/19/18 10:33	
Chloroethane	ug/kg	<67.0	250	12/19/18 10:33	
Chloroform	ug/kg	<46.4	250	12/19/18 10:33	
Chloromethane	ug/kg	<20.4	50.0	12/19/18 10:33	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	12/19/18 10:33	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	12/19/18 10:33	
Dibromochloromethane	ug/kg	<17.9	50.0	12/19/18 10:33	
Dibromomethane	ug/kg	<19.3	50.0	12/19/18 10:33	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	12/19/18 10:33	
Diisopropyl ether	ug/kg	<17.7	50.0	12/19/18 10:33	

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QUALITY CONTROL DATA

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

METHOD BLANK: 1808446

Matrix: Solid

Associated Lab Samples: 40181066001, 40181066022, 40181066023, 40181066024, 40181066025, 40181066026, 40181066027, 40181066028, 40181066029, 40181066030, 40181066031, 40181066032, 40181066033, 40181066034

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<12.4	50.0	12/19/18 10:33	
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	12/19/18 10:33	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	12/19/18 10:33	
m&p-Xylene	ug/kg	<34.4	100	12/19/18 10:33	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	12/19/18 10:33	
Methylene Chloride	ug/kg	<16.2	50.0	12/19/18 10:33	
n-Butylbenzene	ug/kg	<10.5	50.0	12/19/18 10:33	
n-Propylbenzene	ug/kg	<11.6	50.0	12/19/18 10:33	
Naphthalene	ug/kg	<40.0	250	12/19/18 10:33	
o-Xylene	ug/kg	<14.0	50.0	12/19/18 10:33	
p-Isopropyltoluene	ug/kg	<12.0	50.0	12/19/18 10:33	
sec-Butylbenzene	ug/kg	<11.9	50.0	12/19/18 10:33	
Styrene	ug/kg	<9.0	50.0	12/19/18 10:33	
tert-Butylbenzene	ug/kg	<9.5	50.0	12/19/18 10:33	
Tetrachloroethene	ug/kg	<12.9	50.0	12/19/18 10:33	
Toluene	ug/kg	<11.2	50.0	12/19/18 10:33	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	12/19/18 10:33	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	12/19/18 10:33	
Trichloroethene	ug/kg	<23.6	50.0	12/19/18 10:33	
Trichlorofluoromethane	ug/kg	<24.7	50.0	12/19/18 10:33	
Vinyl chloride	ug/kg	<21.1	50.0	12/19/18 10:33	
4-Bromofluorobenzene (S)	%	97	48-130	12/19/18 10:33	
Dibromofluoromethane (S)	%	101	57-148	12/19/18 10:33	
Toluene-d8 (S)	%	99	58-142	12/19/18 10:33	

LABORATORY CONTROL SAMPLE: 1808447

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2530	101	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2100	84	68-130	
1,1,2-Trichloroethane	ug/kg	2500	2350	94	70-130	
1,1-Dichloroethane	ug/kg	2500	2400	96	67-132	
1,1-Dichloroethene	ug/kg	2500	2300	92	67-128	
1,2,4-Trichlorobenzene	ug/kg	2500	2310	92	51-131	
1,2-Dibromo-3-chloropropane	ug/kg	2500	1950	78	49-117	
1,2-Dibromoethane (EDB)	ug/kg	2500	2460	98	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2310	93	70-130	
1,2-Dichloroethane	ug/kg	2500	2560	102	65-137	
1,2-Dichloropropane	ug/kg	2500	2370	95	75-126	
1,3-Dichlorobenzene	ug/kg	2500	2260	90	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2300	92	70-130	
Benzene	ug/kg	2500	2350	94	70-130	
Bromodichloromethane	ug/kg	2500	2380	95	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

LABORATORY CONTROL SAMPLE: 1808447

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/kg	2500	2290	92	57-117	
Bromomethane	ug/kg	2500	2640	105	48-135	
Carbon tetrachloride	ug/kg	2500	2660	106	65-133	
Chlorobenzene	ug/kg	2500	2400	96	70-130	
Chloroethane	ug/kg	2500	2540	102	37-165	
Chloroform	ug/kg	2500	2490	100	72-126	
Chloromethane	ug/kg	2500	1710	68	34-120	
cis-1,2-Dichloroethene	ug/kg	2500	2250	90	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2520	101	69-130	
Dibromochloromethane	ug/kg	2500	2510	100	68-130	
Dichlorodifluoromethane	ug/kg	2500	1530	61	22-100	
Ethylbenzene	ug/kg	2500	2480	99	79-121	
Isopropylbenzene (Cumene)	ug/kg	2500	2540	102	70-130	
m&p-Xylene	ug/kg	5000	4890	98	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2220	89	66-129	
Methylene Chloride	ug/kg	2500	2390	95	68-129	
o-Xylene	ug/kg	2500	2600	104	70-130	
Styrene	ug/kg	2500	2570	103	70-130	
Tetrachloroethene	ug/kg	2500	2390	96	70-130	
Toluene	ug/kg	2500	2480	99	80-123	
trans-1,2-Dichloroethene	ug/kg	2500	2500	100	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2600	104	67-130	
Trichloroethene	ug/kg	2500	2330	93	70-130	
Trichlorofluoromethane	ug/kg	2500	2550	102	64-134	
Vinyl chloride	ug/kg	2500	2110	85	52-122	
4-Bromofluorobenzene (S)	%			98	48-130	
Dibromofluoromethane (S)	%			95	57-148	
Toluene-d8 (S)	%			90	58-142	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1808448 1808449

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40181066025 Result	Spike Conc.	Spike Conc.	MSD Result							
1,1,1-Trichloroethane	ug/kg	<25.0	1390	1390	1390	1400	1460	101	105	62-130	4	20
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1390	1390	1390	1260	1260	91	91	64-137	0	20
1,1,2-Trichloroethane	ug/kg	<25.0	1390	1390	1390	1390	1280	100	92	70-130	8	20
1,1-Dichloroethane	ug/kg	<25.0	1390	1390	1390	1290	1440	93	104	65-132	11	20
1,1-Dichloroethene	ug/kg	<25.0	1390	1390	1390	1170	1280	84	92	50-128	9	21
1,2,4-Trichlorobenzene	ug/kg	<47.6	1390	1390	1390	1380	1510	100	109	51-148	9	20
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1390	1390	1390	1070	1430	77	103	43-134	28	23 R1
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1390	1390	1390	1340	1530	97	111	70-130	13	20
1,2-Dichlorobenzene	ug/kg	<25.0	1390	1390	1390	1390	1450	100	105	70-130	5	20
1,2-Dichloroethane	ug/kg	<25.0	1390	1390	1390	1490	1540	108	111	65-139	3	20
1,2-Dichloropropane	ug/kg	<25.0	1390	1390	1390	1280	1440	92	104	74-128	12	20

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1808448		1808449		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40181066025 Result	MS Spike Conc.	MSD Spike Conc.									
1,3-Dichlorobenzene	ug/kg	<25.0	1390	1390	1450	1430	105	103	70-130	2	20		
1,4-Dichlorobenzene	ug/kg	<25.0	1390	1390	1520	1450	110	104	70-130	5	20		
Benzene	ug/kg	<25.0	1390	1390	1380	1370	100	99	66-132	1	20		
Bromodichloromethane	ug/kg	<25.0	1390	1390	1330	1380	96	99	69-130	3	20		
Bromoform	ug/kg	<25.0	1390	1390	1430	1380	103	100	57-130	3	20		
Bromomethane	ug/kg	<69.9	1390	1390	1910	1930	138	139	34-145	1	20		
Carbon tetrachloride	ug/kg	<25.0	1390	1390	1410	1390	101	100	54-133	1	20		
Chlorobenzene	ug/kg	<25.0	1390	1390	1340	1460	96	106	70-130	9	20		
Chloroethane	ug/kg	<67.0	1390	1390	1350	1470	97	106	33-165	8	20		
Chloroform	ug/kg	<46.4	1390	1390	1410	1440	102	104	72-128	2	20		
Chloromethane	ug/kg	<25.0	1390	1390	1120	1180	81	85	20-120	5	20		
cis-1,2-Dichloroethene	ug/kg	<25.0	1390	1390	1300	1300	94	94	69-130	0	20		
cis-1,3-Dichloropropene	ug/kg	<25.0	1390	1390	1240	1380	90	100	65-130	11	20		
Dibromochloromethane	ug/kg	<25.0	1390	1390	1290	1500	93	108	65-130	15	20		
Dichlorodifluoromethane	ug/kg	<25.0	1390	1390	1020	1090	74	79	10-109	6	29		
Ethylbenzene	ug/kg	<25.0	1390	1390	1330	1510	96	109	63-127	13	20		
Isopropylbenzene (Cumene)	ug/kg	<25.0	1390	1390	1370	1530	99	111	66-130	11	20		
m&p-Xylene	ug/kg	<50.0	2770	2770	2810	3100	101	112	70-130	10	20		
Methyl-tert-butyl ether	ug/kg	<25.0	1390	1390	1330	1400	96	101	62-135	6	20		
Methylene Chloride	ug/kg	<25.0	1390	1390	1370	1410	99	102	68-129	3	20		
o-Xylene	ug/kg	<25.0	1390	1390	1460	1600	105	116	69-130	9	20		
Styrene	ug/kg	<25.0	1390	1390	1430	1550	103	112	70-130	8	20		
Tetrachloroethene	ug/kg	299	1390	1390	1730	1740	103	104	70-130	1	20		
Toluene	ug/kg	<25.0	1390	1390	1290	1500	93	108	80-123	15	20		
trans-1,2-Dichloroethene	ug/kg	<25.0	1390	1390	1340	1450	96	105	70-130	8	20		
trans-1,3-Dichloropropene	ug/kg	<25.0	1390	1390	1420	1560	103	113	67-130	9	20		
Trichloroethene	ug/kg	<25.0	1390	1390	1330	1330	96	96	70-130	0	20		
Trichlorofluoromethane	ug/kg	<25.0	1390	1390	1290	1380	93	100	41-134	7	26		
Vinyl chloride	ug/kg	<25.0	1390	1390	1130	1190	81	86	39-122	6	20		
4-Bromofluorobenzene (S)	%						94	99	48-130				
Dibromofluoromethane (S)	%						103	97	57-148				
Toluene-d8 (S)	%						94	93	58-142				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

QC Batch: 309304

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 40181066027

SAMPLE DUPLICATE: 1806900

Parameter	Units	40181066027 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	21.1	20.2	5	10	

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QUALITY CONTROL DATA

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

QC Batch: 309699

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 40181066001

SAMPLE DUPLICATE: 1808876

Parameter	Units	40181062002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	21.4	21.5	0	10	

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QUALITY CONTROL DATA

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

QC Batch:	310097	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	40181066002, 40181066003, 40181066004, 40181066005, 40181066006, 40181066007, 40181066008, 40181066009, 40181066010, 40181066011, 40181066012, 40181066013, 40181066014		

SAMPLE DUPLICATE: 1811049

Parameter	Units	40181066014 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.0	19.2	1	10	

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QUALITY CONTROL DATA

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

QC Batch:	310110	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	40181066015, 40181066016, 40181066017, 40181066018, 40181066019, 40181066020, 40181066021, 40181066022, 40181066023, 40181066024, 40181066025, 40181066026, 40181066028, 40181066029, 40181066030, 40181066031, 40181066032, 40181066033		

SAMPLE DUPLICATE: 1811127

Parameter	Units	40181066029 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	20.7	20.7	0	10	

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QUALIFIERS

Project: CHE80940Q MNSC SI
Pace Project No.: 40181066

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.
M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
R1 RPD value was outside control limits.
S4 Surrogate recovery not evaluated against control limits due to sample dilution.
W Non-detect results are reported on a wet weight basis.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40181066001	GP-01(4-5)	EPA 5035/5030B	309615	EPA 8260	309616
40181066002	GP-01(15-16)	EPA 5035/5030B	309517	EPA 8260	309519
40181066003	GP-02(8-9)	EPA 5035/5030B	309517	EPA 8260	309519
40181066004	GP-02(10-11)	EPA 5035/5030B	309517	EPA 8260	309519
40181066005	GP-03(5-6)	EPA 5035/5030B	309517	EPA 8260	309519
40181066006	GP-03(11-12)	EPA 5035/5030B	309517	EPA 8260	309519
40181066007	GP-04(4-5)	EPA 5035/5030B	309517	EPA 8260	309519
40181066008	GP-04(5-6)	EPA 5035/5030B	309517	EPA 8260	309519
40181066009	GP-04(11-12)	EPA 5035/5030B	309517	EPA 8260	309519
40181066010	GP-05(4-5)	EPA 5035/5030B	309517	EPA 8260	309519
40181066011	GP-05(11-12)	EPA 5035/5030B	309517	EPA 8260	309519
40181066012	GP-06(4-5)	EPA 5035/5030B	309517	EPA 8260	309519
40181066013	GP-06(9-10)	EPA 5035/5030B	309517	EPA 8260	309519
40181066014	GP-07(4-5)	EPA 5035/5030B	309517	EPA 8260	309519
40181066015	GP-07(8-9)	EPA 5035/5030B	309517	EPA 8260	309519
40181066016	GP-08(4-5)	EPA 5035/5030B	309517	EPA 8260	309519
40181066017	GP-08(7-8)	EPA 5035/5030B	309517	EPA 8260	309519
40181066018	GP-09(4-5)	EPA 5035/5030B	309517	EPA 8260	309519
40181066019	GP-09(9-10)	EPA 5035/5030B	309517	EPA 8260	309519
40181066020	GP-10(3-4)	EPA 5035/5030B	309517	EPA 8260	309519
40181066021	GP-10(9-10)	EPA 5035/5030B	309517	EPA 8260	309519
40181066022	GP-11(4-5)	EPA 5035/5030B	309615	EPA 8260	309616
40181066023	GP-11(9-10)	EPA 5035/5030B	309615	EPA 8260	309616
40181066024	GP-12(4-5)	EPA 5035/5030B	309615	EPA 8260	309616
40181066025	GP-12(7-8)	EPA 5035/5030B	309615	EPA 8260	309616
40181066026	GP-13(2-3)	EPA 5035/5030B	309615	EPA 8260	309616
40181066027	GP-13(9-10)	EPA 5035/5030B	309615	EPA 8260	309616
40181066028	GP-14(3-4)	EPA 5035/5030B	309615	EPA 8260	309616
40181066029	GP-14(11-12)	EPA 5035/5030B	309615	EPA 8260	309616
40181066030	GP-15(2-3)	EPA 5035/5030B	309615	EPA 8260	309616
40181066031	GP-15(2-3)DUP	EPA 5035/5030B	309615	EPA 8260	309616
40181066032	GP-15(10-11)	EPA 5035/5030B	309615	EPA 8260	309616
40181066033	GP-15(10-11)DUP	EPA 5035/5030B	309615	EPA 8260	309616
40181066034	MEOH BLANK	EPA 5035/5030B	309615	EPA 8260	309616
40181066001	GP-01(4-5)	ASTM D2974-87	309699		
40181066002	GP-01(15-16)	ASTM D2974-87	310097		
40181066003	GP-02(8-9)	ASTM D2974-87	310097		
40181066004	GP-02(10-11)	ASTM D2974-87	310097		
40181066005	GP-03(5-6)	ASTM D2974-87	310097		
40181066006	GP-03(11-12)	ASTM D2974-87	310097		
40181066007	GP-04(4-5)	ASTM D2974-87	310097		
40181066008	GP-04(5-6)	ASTM D2974-87	310097		
40181066009	GP-04(11-12)	ASTM D2974-87	310097		
40181066010	GP-05(4-5)	ASTM D2974-87	310097		
40181066011	GP-05(11-12)	ASTM D2974-87	310097		
40181066012	GP-06(4-5)	ASTM D2974-87	310097		
40181066013	GP-06(9-10)	ASTM D2974-87	310097		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CHE80940Q MNSC SI

Pace Project No.: 40181066

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40181066014	GP-07(4-5)	ASTM D2974-87	310097		
40181066015	GP-07(8-9)	ASTM D2974-87	310110		
40181066016	GP-08(4-5)	ASTM D2974-87	310110		
40181066017	GP-08(7-8)	ASTM D2974-87	310110		
40181066018	GP-09(4-5)	ASTM D2974-87	310110		
40181066019	GP-09(9-10)	ASTM D2974-87	310110		
40181066020	GP-10(3-4)	ASTM D2974-87	310110		
40181066021	GP-10(9-10)	ASTM D2974-87	310110		
40181066022	GP-11(4-5)	ASTM D2974-87	310110		
40181066023	GP-11(9-10)	ASTM D2974-87	310110		
40181066024	GP-12(4-5)	ASTM D2974-87	310110		
40181066025	GP-12(7-8)	ASTM D2974-87	310110		
40181066026	GP-13(2-3)	ASTM D2974-87	310110		
40181066027	GP-13(9-10)	ASTM D2974-87	309304		
40181066028	GP-14(3-4)	ASTM D2974-87	310110		
40181066029	GP-14(11-12)	ASTM D2974-87	310110		
40181066030	GP-15(2-3)	ASTM D2974-87	310110		
40181066031	GP-15(2-3)DUP	ASTM D2974-87	310110		
40181066032	GP-15(10-11)	ASTM D2974-87	310110		
40181066033	GP-15(10-11)DUP	ASTM D2974-87	310110		

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(Please Print Clearly)

UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

40181066



Company Name: _____
 Branch/Location: _____
 Project Contact: _____
 Phone: _____
 Project Number: _____
 Project Name: MNSC SI
 Project State: _____
 Sampled By (Print): _____
 Sampled By (Sign): _____
 PO #: _____
 Regulatory Program: _____

CHAIN OF CUSTODY

***Preservation Codes**
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y/N	Pick Letter	Analysis Requested	COLLECTION															
			DATE	TIME	MATRIX													
	F	VOC																

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
014	GP-07(4-5)	12/11/18	1510	S
015	GP-07(8-9)		1515	
016	GP-08(4-5)		1545	
017	GP-08(7-8)		1550	
018	GP-09(4-5)	12/11/18	0840	
019	GP-09(9-10)		0845	
020	GP-10(3-4)		0905	
021	GP-10(9-10)		0910	
022	GP-11(4-5)		0930	
023	GP-11(9-10)		0935	
024	GP-12(4-5)		0950	
025	GP-12(7-8)		1000	
026	GP-13(2-3)		1040	

Quote #: _____
 Mail To Contact: _____
 Mail To Company: _____
 Mail To Address: _____
 Invoice To Contact: _____
 Invoice To Company: _____
 Invoice To Address: _____
 Invoice To Phone: _____

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed: _____

Transmit Prelim Rush Results by (complete what you want): _____

Email #1: _____
 Email #2: _____
 Telephone: _____
 Fax: _____

Samples on HOLD are subject to special pricing and release of liability

Relinquished By: _____	Date/Time: _____
Relinquished By: _____	Date/Time: _____
Relinquished By: _____	Date/Time: _____
Relinquished By: _____	Date/Time: _____
Relinquished By: _____	Date/Time: _____

Received By: _____	Date/Time: _____
Received By: _____	Date/Time: _____
Received By: _____	Date/Time: _____
Received By: _____	Date/Time: _____
Received By: _____	Date/Time: _____

PACE Project No. 40181066

Receipt Temp = 12.2 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present
 Intact / Not Intact

(Please Print Clearly)

UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

40181066



CHAIN OF CUSTODY

***Preservation Codes**
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y/N	Pick Letter	Analyses Requested	COLLECTION		
			DATE	TIME	MATRIX
	F	VOC	12/18	1050	S
				1120	
				1140	
				1220	
				1220	
				1235	
				1235	

Company Name: _____
 Branch/Location: _____
 Project Contact: *See Page 1*
 Phone: _____
 Project Number: _____
 Project Name: *MNSC SI*
 Project State: _____
 Sampled By (Print): _____
 Sampled By (Sign): _____
 PO #: _____ Regulatory Program: _____

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
027	GP-13(9-10)	12/18	1050	S
028	GP-14(3-4)		1120	
029	GP-14(11-12)		1140	
030	GP-15(2-3)		1220	
031	GP-15(2-3) DUP		1220	
032	GP-15(10-11)		1235	
033	GP-15(10-11) DUP		1235	
034	MEOH Blank			

Quote #: _____
 Mail To Contact: _____
 Mail To Company: _____
 Mail To Address: _____
 Invoice To Contact: _____
 Invoice To Company: _____
 Invoice To Address: _____
 Invoice To Phone: _____

CLIENT COMMENTS
See Page 1

LAB COMMENTS (Lab Use Only)

Profile #

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed: _____

Transmit Prelim Rush Results by (complete what you want):
 Email #1: _____
 Email #2: _____
 Telephone: _____
 Fax: _____

Samples on HOLD are subject to special pricing and release of liability

Relinquished By: *[Signature]* Date/Time: _____
 Relinquished By: *[Signature]* Date/Time: *12/14/18 1530*
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____

Received By: *[Signature]* Date/Time: *12/14/18 1209*
 Received By: *[Signature]* Date/Time: *12/14/18 1530*
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

PACE Project No. *40181066*
 Receipt Temp *RT* °C
 Sample Receipt pH
 OK / Adjusted
 Cooler Custody Seal
 Present / Not Present
 Intact / Not Intact

Sample Preservation Receipt Form

Client Name: Grossy, Alec

Project # 40181066

All containers needing preservation have been checked and noted below: Yes No N/A

Lab Lot# of pH paper:

Lab Std #ID of preservation (if pH adjusted):

Initial when completed:

Date/Time:

Pace Lab #	Glass							Plastic							Vials				Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)						
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T								ZPLC	GN				
001																																					2.5 / 5 / 10
002																																					2.5 / 5 / 10
003																																					2.5 / 5 / 10
004																																					2.5 / 5 / 10
005																																					2.5 / 5 / 10
006																																					2.5 / 5 / 10
007																																					2.5 / 5 / 10
008																																					2.5 / 5 / 10
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016																																					2.5 / 5 / 10
017																																					2.5 / 5 / 10
018																																					2.5 / 5 / 10
019																																					2.5 / 5 / 10
020																																					2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : Yes No N/A *If yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3C	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	


Client Name: Geosyntec

Sample Preservation Receipt Form


Project #: 20181066

Page 8 of 9

Pace Lab #	Glass							Plastic							Vials				Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)						
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T								ZPLC	GN				
021																																					2.5 / 5 / 10
022																																					2.5 / 5 / 10
023																																					2.5 / 5 / 10
024																																					2.5 / 5 / 10
025																																					2.5 / 5 / 10
026																																					2.5 / 5 / 10
027																																					2.5 / 5 / 10
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																																					2.5 / 5 / 21
																																					2.5 / 5 / 22
																																					2.5 / 5 / 23

 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 25Apr2018
	Document No.: F-GB-C-031-Rev.07	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: Gessytec Project #: **WO#: 40181066**
 Courier: CS Logistics Fed Ex Speedee UPS Walto
 Client Pace Other: _____


Tracking #: _____
 Custody Seal on Cooler/Box Present: yes no Seals intact: yes no
 Custody Seal on Samples Present: yes no Seals intact: yes no
 Packing Material: Bubble Wrap Bubble Bags None Other _____
 Thermometer Used SR - N/A Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun
 Cooler Temperature Uncorr: Not / Corr: _____

Temp Blank Present: yes no Biological Tissue is Frozen: yes no
 Temp should be above freezing to 6°C.
 Biota Samples may be received at ≤ 0°C.

Person examining contents:
 Date: 12/14/18
 Initials: _____

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3. <u>no date/time</u> <u>12/14/18</u>
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time: _____
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<u>031, 033 insufficient dry weight vol.</u> <u>12/14/18</u>
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<u>covered here weights</u> <u>12/14/18</u>
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>S</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: _____ If checked, see attached form for additional comments
 Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: _____

Project Manager Review: [Signature] Date: 12-17-18