

COMO OIL & PROPANE - FAGERLIN/HEHN 01-16-577207

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

A/K/A 02-16-110461

FAGERLIN FUEL BULK PLANT 54880-0938-24

Notification For Hazardous Substance Discharge (Non-Emergency Only)

Form 4400-225 (09/13) Page 1 of 2

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: _____

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

Date DNR Notified: 5/18/16

1. Discharge Reported By

Name John McCarthy	Firm Environmental Troubleshooters	Phone No. (include area code) (218) 722-6013
Mailing Address 3825 Grand Avenue, Duluth, MN 55807		Email Address jmccarthy@etsmn.com

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. Como Oil & Propane - Fagerlin/Hehn

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. 1124 North 6th Street, Superior, WI 54880

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

Superior

County: Douglas	Legal Description: SE 1/4 NE 1/4 Sec 15 Tn 49N Range 14 C E W	WTM: X Y
--------------------	--	-------------

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.

Diversified Enterprises, LLC.

- Reported in compliance with s. 292.11(2), Wis. Stats., by a local government exempt from liability under s. 292.11(9)(e), Wis. Stats. For more information see <http://dnr.wi.gov/topic/Brownfields/Liability.html>.

Contact Person Name (if different) Thomas Satrom	Phone Number (763) 689-	Email Address satrom@parkersatromlaw.com	
Mailing Address 123 South Ashland Street	City Cambridge	State MN	ZIP Code 55008

Property owner if Different From RP: Business or owner name that is responsible for cleanup. If more than one, list all. Attach additional pages as necessary. TGas Real Estate Holdings

Contact Person Name (if different) Scott Miller	Phone Number 3013028169	Email Address smiller@thompsongas.com	
Mailing Address 5260 Westview Drive, Suite 200	City Frederick	State MD	ZIP Code 21703

(continued)

4. Hazardous Substance Information

Identify hazardous substance discharged (check all that apply):

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> VOC's | <input type="checkbox"/> Diesel | <input type="checkbox"/> PERC (Dry Cleaners) |
| <input checked="" type="checkbox"/> PAH's | <input type="checkbox"/> Fuel Oil | <input type="checkbox"/> RCRA Hazardous Waste |
| <input type="checkbox"/> Metals (specify): _____ | <input type="checkbox"/> Gasoline | <input type="checkbox"/> Leachate |
| <input type="checkbox"/> Arsenic | <input type="checkbox"/> Hydraulic Oil | <input type="checkbox"/> Fertilizer |
| <input type="checkbox"/> Chromium | <input type="checkbox"/> Jet Fuel | <input type="checkbox"/> Pesticide/Herbicide/Insecticide(s) |
| <input type="checkbox"/> Cyanide | <input type="checkbox"/> Mineral Oil | <input type="checkbox"/> Other (specify): _____ |
| <input type="checkbox"/> Lead | <input type="checkbox"/> Waste Oil | <input type="checkbox"/> Unknown |
| <input type="checkbox"/> PCB's | <input type="checkbox"/> Petroleum-Unknown Type | |

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

Contamination was discovered as a result of:

- | | | |
|--|---|--|
| <input type="checkbox"/> Tank closure assessment | <input checked="" type="checkbox"/> Site assessment | <input type="checkbox"/> Other - Describe: _____ |
| Date _____ | Date _____ | Date _____ |

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.

Release was identified during Phase II soil sampling. Appears to be from overfills and spillage.

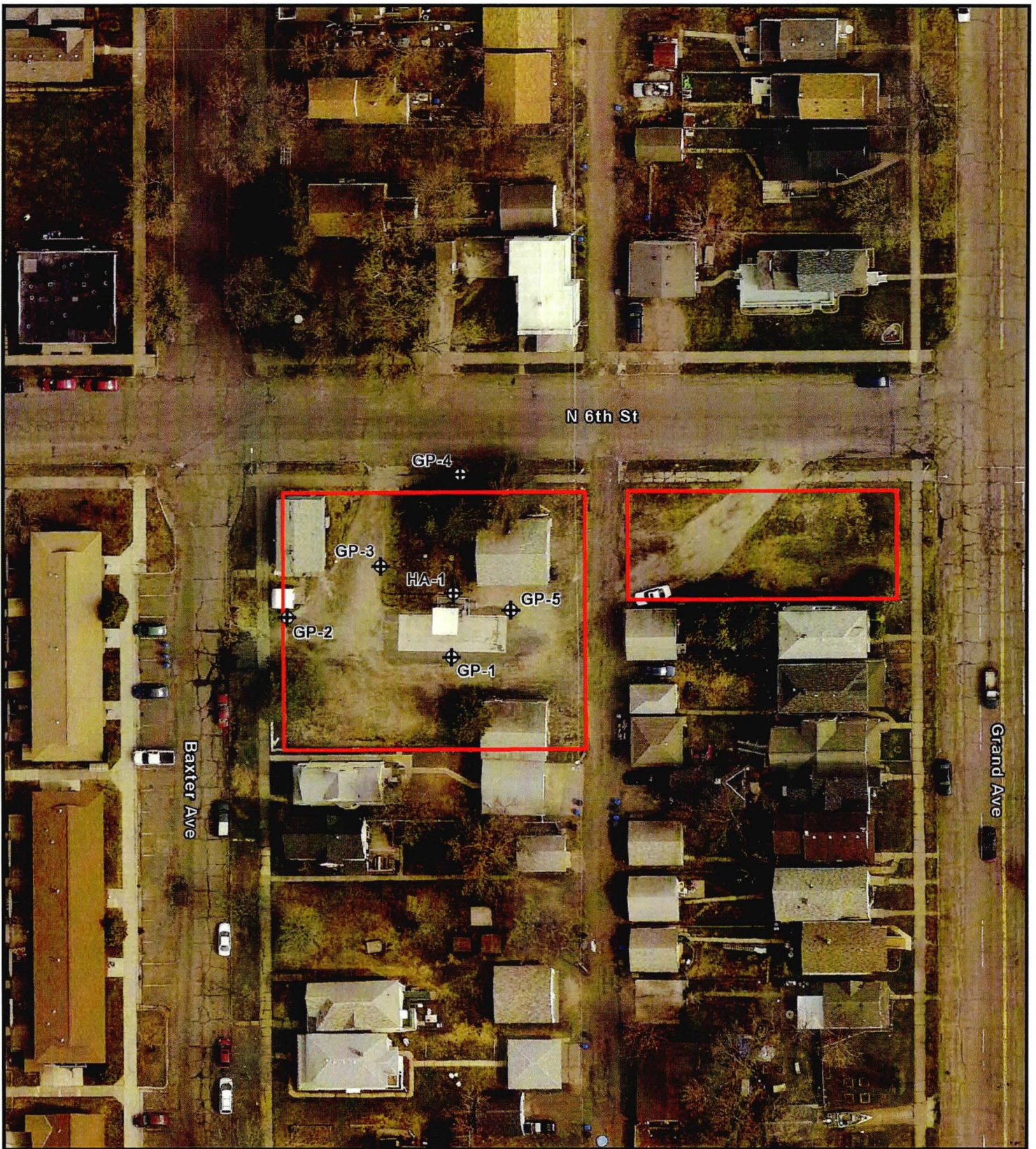
6. Federal Energy Act Requirements (Section 9002(d) of the Solid Waste Disposal Act (SWDA))

For all confirmed releases from UST's occurring after 9/30/2007 please provide the following information:

- | | <u>Source</u> | <u>Cause</u> |
|---|---|--|
| <input type="checkbox"/> Tank | <input type="checkbox"/> Piping | <input checked="" type="checkbox"/> Spill |
| <input type="checkbox"/> Dispenser | <input type="checkbox"/> Submersible Turbine Pump | <input checked="" type="checkbox"/> Overfill |
| <input type="checkbox"/> Delivery Problem | <input type="checkbox"/> Other (specify): _____ | <input type="checkbox"/> Corrosion |
| <input type="checkbox"/> Does not apply. | | <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: 920-662-5197); 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
- 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



N 6th St

Grand Ave

Baxter Ave

GP-4

GP-3

HA-1

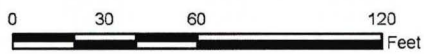
GP-5

GP-2

GP-1

⊕ Boring Location

▭ Parcel Boundry



SCALE: 1:720
1 inch = 60 feet

Image Source: 2013 Douglas County Aerial Photography.

FIGURE 2
Site Plan

Superior Oil Plant
Superior, Wisconsin

PROJECT #: 15-0806

DATE: 08/06/2015 CREATED BY: CGIS

FILE NAME: //GIS/2015 Projects/15-0806
/Projects/Figure2



August 19, 2015

Mr. John McCarthy
Environmental Troubleshooters
3825 Grand Avenue
Duluth, MN 55807

RE: Project: IE/Fagerlin
Pace Project No.: 10317272

Dear Mr. McCarthy:

Enclosed are the analytical results for sample(s) received by the laboratory on August 06, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI 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,



Lori Castille
lori.castille@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: IE/Fagerlin
Pace Project No.: 10317272

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #:14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909

Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Virginia/VELAP Certification #: Pace
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: IE/Fagerlin
Pace Project No.: 10317272

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10317272001	GP-1 (4-6')	Solid	08/06/15 09:40	08/06/15 18:40
10317272002	GP-2 (4-6')	Solid	08/06/15 10:24	08/06/15 18:40
10317272003	GP-3 (6-8')	Solid	08/06/15 10:42	08/06/15 18:40
10317272004	GP-4 (0-2')	Solid	08/06/15 11:20	08/06/15 18:40
10317272005	GP-5 (8-10')	Solid	08/06/15 12:10	08/06/15 18:40
10317272006	GP-3 (7-12')	Water	08/06/15 11:00	08/06/15 18:40
10317272007	HA-1	Solid	08/06/15 12:25	08/06/15 18:40
10317272008	Trip Blank (HCl)	Water	08/06/15 00:00	08/06/15 18:40

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: IE/Fagerlin
Pace Project No.: 10317272

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10317272001	GP-1 (4-6')	WI MOD GRO	CMB	2
		ASTM D2974	AH3	1
		EPA 8270D by SIM	LT	18
		EPA 8260B	DJB	70
10317272002	GP-2 (4-6')	WI MOD GRO	CMB	2
		ASTM D2974	AH3	1
		EPA 8270D by SIM	LT	18
		EPA 8260B	DJB	70
10317272003	GP-3 (6-8')	WI MOD GRO	CMB	2
		ASTM D2974	AH3	1
		EPA 8270D by SIM	LT	18
		EPA 8260B	DJB	70
10317272004	GP-4 (0-2')	WI MOD GRO	CMB	2
		ASTM D2974	AH3	1
		EPA 8270D by SIM	LT	18
		EPA 8260B	DJB	70
10317272005	GP-5 (8-10')	WI MOD GRO	CMB	2
		ASTM D2974	AH3	1
		EPA 8270D by SIM	LT	18
		EPA 8260B	DJB	70
10317272006	GP-3 (7-12')	WI MOD GRO	LPM	2
		EPA 8270D by SIM	AS1	18
		EPA 8260B	AJC	70
		WI MOD GRO	CMB	2
10317272007	HA-1	ASTM D2974	AH3	1
		EPA 8270D by SIM	LT	18
		EPA 8260B	DJB	70
		EPA 8260B	AJC	70
10317272008	Trip Blank (HCI)	EPA 8260B	AJC	70

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: IE/Fagerlin
Pace Project No.: 10317272

Sample: GP-1 (4-6') **Lab ID: 10317272001** Collected: 08/06/15 09:40 Received: 08/06/15 18:40 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
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil									
Gasoline Range Organics	3.2J	mg/kg	13.3	2.7	1	08/12/15 09:27	08/12/15 21:56		
Surrogates									
a,a,a-Trifluorotoluene (S)	132	%	80-150		1	08/12/15 09:27	08/12/15 21:56	98-08-8	
Dry Weight Analytical Method: ASTM D2974									
Percent Moisture	20.2	%	0.10	0.10	1		08/11/15 20:03		
8270D MSSV PAH by SIM Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3550									
Acenaphthene	<0.45	ug/kg	12.5	0.45	1	08/07/15 13:38	08/08/15 18:50	83-32-9	
Acenaphthylene	<0.43	ug/kg	12.5	0.43	1	08/07/15 13:38	08/08/15 18:50	208-96-8	
Anthracene	<0.38	ug/kg	12.5	0.38	1	08/07/15 13:38	08/08/15 18:50	120-12-7	
Benzo(a)anthracene	<0.23	ug/kg	12.5	0.23	1	08/07/15 13:38	08/08/15 18:50	56-55-3	
Benzo(a)pyrene	0.79J	ug/kg	12.5	0.25	1	08/07/15 13:38	08/08/15 18:50	50-32-8	
Benzo(b)fluoranthene	0.93J	ug/kg	12.5	0.44	1	08/07/15 13:38	08/08/15 18:50	205-99-2	
Benzo(g,h,i)perylene	0.56J	ug/kg	12.5	0.44	1	08/07/15 13:38	08/08/15 18:50	191-24-2	
Benzo(k)fluoranthene	<0.50	ug/kg	12.5	0.50	1	08/07/15 13:38	08/08/15 18:50	207-08-9	
Chrysene	0.81J	ug/kg	12.5	0.31	1	08/07/15 13:38	08/08/15 18:50	218-01-9	
Dibenz(a,h)anthracene	<0.54	ug/kg	12.5	0.54	1	08/07/15 13:38	08/08/15 18:50	53-70-3	
Fluoranthene	1.9J	ug/kg	12.5	0.27	1	08/07/15 13:38	08/08/15 18:50	206-44-0	
Fluorene	<0.39	ug/kg	12.5	0.39	1	08/07/15 13:38	08/08/15 18:50	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.48	ug/kg	12.5	0.48	1	08/07/15 13:38	08/08/15 18:50	193-39-5	
Naphthalene	<0.47	ug/kg	12.5	0.47	1	08/07/15 13:38	08/08/15 18:50	91-20-3	
Phenanthrene	1.2J	ug/kg	12.5	0.31	1	08/07/15 13:38	08/08/15 18:50	85-01-8	
Pyrene	1.5J	ug/kg	12.5	0.30	1	08/07/15 13:38	08/08/15 18:50	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	63	%	55-125		1	08/07/15 13:38	08/08/15 18:50	321-60-8	
p-Terphenyl-d14 (S)	77	%	30-150		1	08/07/15 13:38	08/08/15 18:50	1718-51-0	
8260B MSV 5030 Med Level Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B									
Acetone	<307	ug/kg	1370	307	1	08/13/15 09:10	08/14/15 18:01	67-64-1	
Allyl chloride	<16.7	ug/kg	274	16.7	1	08/13/15 09:10	08/14/15 18:01	107-05-1	
Benzene	<9.6	ug/kg	27.4	9.6	1	08/13/15 09:10	08/14/15 18:01	71-43-2	
Bromobenzene	<16.6	ug/kg	68.5	16.6	1	08/13/15 09:10	08/14/15 18:01	108-86-1	
Bromochloromethane	<13.1	ug/kg	68.5	13.1	1	08/13/15 09:10	08/14/15 18:01	74-97-5	
Bromodichloromethane	<12.2	ug/kg	68.5	12.2	1	08/13/15 09:10	08/14/15 18:01	75-27-4	
Bromoform	<16.3	ug/kg	274	16.3	1	08/13/15 09:10	08/14/15 18:01	75-25-2	
Bromomethane	<120	ug/kg	685	120	1	08/13/15 09:10	08/14/15 18:01	74-83-9	
2-Butanone (MEK)	<114	ug/kg	343	114	1	08/13/15 09:10	08/14/15 18:01	78-93-3	
n-Butylbenzene	<12.9	ug/kg	68.5	12.9	1	08/13/15 09:10	08/14/15 18:01	104-51-8	
sec-Butylbenzene	<14.0	ug/kg	68.5	14.0	1	08/13/15 09:10	08/14/15 18:01	135-98-8	
tert-Butylbenzene	<18.4	ug/kg	68.5	18.4	1	08/13/15 09:10	08/14/15 18:01	98-06-6	
Carbon tetrachloride	<16.6	ug/kg	68.5	16.6	1	08/13/15 09:10	08/14/15 18:01	56-23-5	
Chlorobenzene	<11.1	ug/kg	68.5	11.1	1	08/13/15 09:10	08/14/15 18:01	108-90-7	
Chloroethane	<32.7	ug/kg	685	32.7	1	08/13/15 09:10	08/14/15 18:01	75-00-3	
Chloroform	<11.5	ug/kg	68.5	11.5	1	08/13/15 09:10	08/14/15 18:01	67-66-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: IE/Fagerlin
Pace Project No.: 10317272

Sample: GP-1 (4-6') **Lab ID:** 10317272001 **Collected:** 08/06/15 09:40 **Received:** 08/06/15 18:40 **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
8260B MSV 5030 Med Level		Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B							
Chloromethane	<13.8	ug/kg	274	13.8	1	08/13/15 09:10	08/14/15 18:01	74-87-3	
2-Chlorotoluene	<14.1	ug/kg	68.5	14.1	1	08/13/15 09:10	08/14/15 18:01	95-49-8	
4-Chlorotoluene	<12.9	ug/kg	68.5	12.9	1	08/13/15 09:10	08/14/15 18:01	106-43-4	
1,2-Dibromo-3-chloropropane	<53.0	ug/kg	685	53.0	1	08/13/15 09:10	08/14/15 18:01	96-12-8	
Dibromochloromethane	<10.6	ug/kg	68.5	10.6	1	08/13/15 09:10	08/14/15 18:01	124-48-1	
1,2-Dibromoethane (EDB)	<11.0	ug/kg	68.5	11.0	1	08/13/15 09:10	08/14/15 18:01	106-93-4	
Dibromomethane	<16.2	ug/kg	68.5	16.2	1	08/13/15 09:10	08/14/15 18:01	74-95-3	
1,2-Dichlorobenzene	<16.6	ug/kg	68.5	16.6	1	08/13/15 09:10	08/14/15 18:01	95-50-1	
1,3-Dichlorobenzene	<16.7	ug/kg	68.5	16.7	1	08/13/15 09:10	08/14/15 18:01	541-73-1	
1,4-Dichlorobenzene	<14.5	ug/kg	68.5	14.5	1	08/13/15 09:10	08/14/15 18:01	106-46-7	
Dichlorodifluoromethane	<16.9	ug/kg	274	16.9	1	08/13/15 09:10	08/14/15 18:01	75-71-8	
1,1-Dichloroethane	<13.1	ug/kg	68.5	13.1	1	08/13/15 09:10	08/14/15 18:01	75-34-3	
1,2-Dichloroethane	<15.3	ug/kg	68.5	15.3	1	08/13/15 09:10	08/14/15 18:01	107-06-2	
1,1-Dichloroethene	<15.6	ug/kg	68.5	15.6	1	08/13/15 09:10	08/14/15 18:01	75-35-4	
cis-1,2-Dichloroethene	<24.4	ug/kg	68.5	24.4	1	08/13/15 09:10	08/14/15 18:01	156-59-2	
trans-1,2-Dichloroethene	<11.3	ug/kg	68.5	11.3	1	08/13/15 09:10	08/14/15 18:01	156-60-5	
Dichlorofluoromethane	<64.4	ug/kg	685	64.4	1	08/13/15 09:10	08/14/15 18:01	75-43-4	
1,2-Dichloropropane	<14.0	ug/kg	68.5	14.0	1	08/13/15 09:10	08/14/15 18:01	78-87-5	
1,3-Dichloropropane	<10.7	ug/kg	68.5	10.7	1	08/13/15 09:10	08/14/15 18:01	142-28-9	
2,2-Dichloropropane	<27.7	ug/kg	274	27.7	1	08/13/15 09:10	08/14/15 18:01	594-20-7	
1,1-Dichloropropene	<13.7	ug/kg	68.5	13.7	1	08/13/15 09:10	08/14/15 18:01	563-58-6	
cis-1,3-Dichloropropene	<7.1	ug/kg	68.5	7.1	1	08/13/15 09:10	08/14/15 18:01	10061-01-5	
trans-1,3-Dichloropropene	<26.6	ug/kg	68.5	26.6	1	08/13/15 09:10	08/14/15 18:01	10061-02-6	
Diethyl ether (Ethyl ether)	<22.3	ug/kg	274	22.3	1	08/13/15 09:10	08/14/15 18:01	60-29-7	
Ethylbenzene	<10.2	ug/kg	68.5	10.2	1	08/13/15 09:10	08/14/15 18:01	100-41-4	
Hexachloro-1,3-butadiene	<29.2	ug/kg	343	29.2	1	08/13/15 09:10	08/14/15 18:01	87-68-3	
Isopropylbenzene (Cumene)	<12.5	ug/kg	68.5	12.5	1	08/13/15 09:10	08/14/15 18:01	98-82-8	
p-Isopropyltoluene	<12.0	ug/kg	68.5	12.0	1	08/13/15 09:10	08/14/15 18:01	99-87-6	
Methylene Chloride	<20.4	ug/kg	274	20.4	1	08/13/15 09:10	08/14/15 18:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	<87.2	ug/kg	343	87.2	1	08/13/15 09:10	08/14/15 18:01	108-10-1	
Methyl-tert-butyl ether	<12.8	ug/kg	68.5	12.8	1	08/13/15 09:10	08/14/15 18:01	1634-04-4	
Naphthalene	<98.8	ug/kg	274	98.8	1	08/13/15 09:10	08/14/15 18:01	91-20-3	
n-Propylbenzene	<14.7	ug/kg	68.5	14.7	1	08/13/15 09:10	08/14/15 18:01	103-65-1	
Styrene	<10.9	ug/kg	68.5	10.9	1	08/13/15 09:10	08/14/15 18:01	100-42-5	
1,1,1,2-Tetrachloroethane	<13.2	ug/kg	68.5	13.2	1	08/13/15 09:10	08/14/15 18:01	630-20-6	
1,1,1,2,2-Tetrachloroethane	<13.1	ug/kg	68.5	13.1	1	08/13/15 09:10	08/14/15 18:01	79-34-5	
Tetrachloroethene	<14.1	ug/kg	68.5	14.1	1	08/13/15 09:10	08/14/15 18:01	127-18-4	
Tetrahydrofuran	<108	ug/kg	2740	108	1	08/13/15 09:10	08/14/15 18:01	109-99-9	
Toluene	<13.1	ug/kg	68.5	13.1	1	08/13/15 09:10	08/14/15 18:01	108-88-3	
1,2,3-Trichlorobenzene	<26.6	ug/kg	68.5	26.6	1	08/13/15 09:10	08/14/15 18:01	87-61-6	
1,2,4-Trichlorobenzene	<12.5	ug/kg	68.5	12.5	1	08/13/15 09:10	08/14/15 18:01	120-82-1	
1,1,1-Trichloroethane	<13.3	ug/kg	68.5	13.3	1	08/13/15 09:10	08/14/15 18:01	71-55-6	
1,1,2-Trichloroethane	<18.8	ug/kg	68.5	18.8	1	08/13/15 09:10	08/14/15 18:01	79-00-5	
Trichloroethene	<16.6	ug/kg	68.5	16.6	1	08/13/15 09:10	08/14/15 18:01	79-01-6	
Trichlorofluoromethane	<47.4	ug/kg	274	47.4	1	08/13/15 09:10	08/14/15 18:01	75-69-4	

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ANALYTICAL RESULTS

Project: IE/Fagerlin
Pace Project No.: 10317272

Sample: GP-1 (4-6') **Lab ID: 10317272001** Collected: 08/06/15 09:40 Received: 08/06/15 18:40 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
8260B MSV 5030 Med Level		Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B							
1,2,3-Trichloropropane	<18.9	ug/kg	274	18.9	1	08/13/15 09:10	08/14/15 18:01	96-18-4	
1,1,2-Trichlorotrifluoroethane	<16.2	ug/kg	274	16.2	1	08/13/15 09:10	08/14/15 18:01	76-13-1	
1,2,4-Trimethylbenzene	<13.7	ug/kg	68.5	13.7	1	08/13/15 09:10	08/14/15 18:01	95-63-6	
1,3,5-Trimethylbenzene	<13.3	ug/kg	68.5	13.3	1	08/13/15 09:10	08/14/15 18:01	108-67-8	
Vinyl chloride	<12.3	ug/kg	27.4	12.3	1	08/13/15 09:10	08/14/15 18:01	75-01-4	
Xylene (Total)	<41.0	ug/kg	206	41.0	1	08/13/15 09:10	08/14/15 18:01	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	104	%	55-150		1	08/13/15 09:10	08/14/15 18:01	17060-07-0	
Toluene-d8 (S)	104	%	61-125		1	08/13/15 09:10	08/14/15 18:01	2037-26-5	
4-Bromofluorobenzene (S)	97	%	54-131		1	08/13/15 09:10	08/14/15 18:01	460-00-4	

Sample: GP-2 (4-6') **Lab ID: 10317272002** Collected: 08/06/15 10:24 Received: 08/06/15 18:40 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
WIGRO GCV		Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil							
Gasoline Range Organics	<2.4	mg/kg	12.0	2.4	1	08/12/15 09:27	08/12/15 23:03		
Surrogates									
a,a,a-Trifluorotoluene (S)	131	%	80-150		1	08/12/15 09:27	08/12/15 23:03	98-08-8	
Dry Weight		Analytical Method: ASTM D2974							
Percent Moisture	19.3	%	0.10	0.10	1		08/11/15 20:03		
8270D MSSV PAH by SIM		Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3550							
Acenaphthene	0.53J	ug/kg	12.4	0.45	1	08/07/15 13:38	08/08/15 19:12	83-32-9	
Acenaphthylene	0.59J	ug/kg	12.4	0.42	1	08/07/15 13:38	08/08/15 19:12	208-96-8	
Anthracene	1.7J	ug/kg	12.4	0.38	1	08/07/15 13:38	08/08/15 19:12	120-12-7	
Benzo(a)anthracene	6.7J	ug/kg	12.4	0.23	1	08/07/15 13:38	08/08/15 19:12	56-55-3	
Benzo(a)pyrene	6.6J	ug/kg	12.4	0.24	1	08/07/15 13:38	08/08/15 19:12	50-32-8	
Benzo(b)fluoranthene	7.3J	ug/kg	12.4	0.43	1	08/07/15 13:38	08/08/15 19:12	205-99-2	
Benzo(g,h,i)perylene	4.9J	ug/kg	12.4	0.44	1	08/07/15 13:38	08/08/15 19:12	191-24-2	
Benzo(k)fluoranthene	3.1J	ug/kg	12.4	0.50	1	08/07/15 13:38	08/08/15 19:12	207-08-9	
Chrysene	6.8J	ug/kg	12.4	0.30	1	08/07/15 13:38	08/08/15 19:12	218-01-9	
Dibenz(a,h)anthracene	1.2J	ug/kg	12.4	0.53	1	08/07/15 13:38	08/08/15 19:12	53-70-3	
Fluoranthene	12.3J	ug/kg	12.4	0.27	1	08/07/15 13:38	08/08/15 19:12	206-44-0	
Fluorene	0.63J	ug/kg	12.4	0.38	1	08/07/15 13:38	08/08/15 19:12	86-73-7	
Indeno(1,2,3-cd)pyrene	3.7J	ug/kg	12.4	0.48	1	08/07/15 13:38	08/08/15 19:12	193-39-5	
Naphthalene	1.2J	ug/kg	12.4	0.46	1	08/07/15 13:38	08/08/15 19:12	91-20-3	
Phenanthrene	7.3J	ug/kg	12.4	0.31	1	08/07/15 13:38	08/08/15 19:12	85-01-8	
Pyrene	12.0J	ug/kg	12.4	0.30	1	08/07/15 13:38	08/08/15 19:12	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	61	%	55-125		1	08/07/15 13:38	08/08/15 19:12	321-60-8	
p-Terphenyl-d14 (S)	71	%	30-150		1	08/07/15 13:38	08/08/15 19:12	1718-51-0	

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ANALYTICAL RESULTS

Project: IE/Fagerlin
Pace Project No.: 10317272

Sample: GP-2 (4-6') **Lab ID:** 10317272002 **Collected:** 08/06/15 10:24 **Received:** 08/06/15 18:40 **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
8260B MSV 5030 Med Level		Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B							
Acetone	<289	ug/kg	1290	289	1	08/13/15 09:10	08/14/15 18:22	67-64-1	
Allyl chloride	<15.7	ug/kg	258	15.7	1	08/13/15 09:10	08/14/15 18:22	107-05-1	
Benzene	<9.0	ug/kg	25.8	9.0	1	08/13/15 09:10	08/14/15 18:22	71-43-2	
Bromobenzene	<15.6	ug/kg	64.5	15.6	1	08/13/15 09:10	08/14/15 18:22	108-86-1	
Bromochloromethane	<12.4	ug/kg	64.5	12.4	1	08/13/15 09:10	08/14/15 18:22	74-97-5	
Bromodichloromethane	<11.5	ug/kg	64.5	11.5	1	08/13/15 09:10	08/14/15 18:22	75-27-4	
Bromoform	<15.4	ug/kg	258	15.4	1	08/13/15 09:10	08/14/15 18:22	75-25-2	
Bromomethane	<113	ug/kg	645	113	1	08/13/15 09:10	08/14/15 18:22	74-83-9	
2-Butanone (MEK)	<107	ug/kg	323	107	1	08/13/15 09:10	08/14/15 18:22	78-93-3	
n-Butylbenzene	<12.1	ug/kg	64.5	12.1	1	08/13/15 09:10	08/14/15 18:22	104-51-8	
sec-Butylbenzene	<13.2	ug/kg	64.5	13.2	1	08/13/15 09:10	08/14/15 18:22	135-98-8	
tert-Butylbenzene	<17.3	ug/kg	64.5	17.3	1	08/13/15 09:10	08/14/15 18:22	98-06-6	
Carbon tetrachloride	<15.6	ug/kg	64.5	15.6	1	08/13/15 09:10	08/14/15 18:22	56-23-5	
Chlorobenzene	<10.5	ug/kg	64.5	10.5	1	08/13/15 09:10	08/14/15 18:22	108-90-7	
Chloroethane	<30.9	ug/kg	645	30.9	1	08/13/15 09:10	08/14/15 18:22	75-00-3	
Chloroform	<10.8	ug/kg	64.5	10.8	1	08/13/15 09:10	08/14/15 18:22	67-66-3	
Chloromethane	<13.0	ug/kg	258	13.0	1	08/13/15 09:10	08/14/15 18:22	74-87-3	
2-Chlorotoluene	<13.3	ug/kg	64.5	13.3	1	08/13/15 09:10	08/14/15 18:22	95-49-8	
4-Chlorotoluene	<12.1	ug/kg	64.5	12.1	1	08/13/15 09:10	08/14/15 18:22	106-43-4	
1,2-Dibromo-3-chloropropane	<50.0	ug/kg	645	50.0	1	08/13/15 09:10	08/14/15 18:22	96-12-8	
Dibromochloromethane	<10	ug/kg	64.5	10	1	08/13/15 09:10	08/14/15 18:22	124-48-1	
1,2-Dibromoethane (EDB)	<10.4	ug/kg	64.5	10.4	1	08/13/15 09:10	08/14/15 18:22	106-93-4	
Dibromomethane	<15.2	ug/kg	64.5	15.2	1	08/13/15 09:10	08/14/15 18:22	74-95-3	
1,2-Dichlorobenzene	<15.6	ug/kg	64.5	15.6	1	08/13/15 09:10	08/14/15 18:22	95-50-1	
1,3-Dichlorobenzene	<15.7	ug/kg	64.5	15.7	1	08/13/15 09:10	08/14/15 18:22	541-73-1	
1,4-Dichlorobenzene	<13.7	ug/kg	64.5	13.7	1	08/13/15 09:10	08/14/15 18:22	106-46-7	
Dichlorodifluoromethane	<15.9	ug/kg	258	15.9	1	08/13/15 09:10	08/14/15 18:22	75-71-8	
1,1-Dichloroethane	<12.3	ug/kg	64.5	12.3	1	08/13/15 09:10	08/14/15 18:22	75-34-3	
1,2-Dichloroethane	<14.5	ug/kg	64.5	14.5	1	08/13/15 09:10	08/14/15 18:22	107-06-2	
1,1-Dichloroethene	<14.7	ug/kg	64.5	14.7	1	08/13/15 09:10	08/14/15 18:22	75-35-4	
cis-1,2-Dichloroethene	<23.0	ug/kg	64.5	23.0	1	08/13/15 09:10	08/14/15 18:22	156-59-2	
trans-1,2-Dichloroethene	<10.6	ug/kg	64.5	10.6	1	08/13/15 09:10	08/14/15 18:22	156-60-5	
Dichlorofluoromethane	<60.7	ug/kg	645	60.7	1	08/13/15 09:10	08/14/15 18:22	75-43-4	
1,2-Dichloropropane	<13.2	ug/kg	64.5	13.2	1	08/13/15 09:10	08/14/15 18:22	78-87-5	
1,3-Dichloropropane	<10.1	ug/kg	64.5	10.1	1	08/13/15 09:10	08/14/15 18:22	142-28-9	
2,2-Dichloropropane	<26.1	ug/kg	258	26.1	1	08/13/15 09:10	08/14/15 18:22	594-20-7	
1,1-Dichloropropene	<12.9	ug/kg	64.5	12.9	1	08/13/15 09:10	08/14/15 18:22	563-58-6	
cis-1,3-Dichloropropene	<6.7	ug/kg	64.5	6.7	1	08/13/15 09:10	08/14/15 18:22	10061-01-5	
trans-1,3-Dichloropropene	<25.0	ug/kg	64.5	25.0	1	08/13/15 09:10	08/14/15 18:22	10061-02-6	
Diethyl ether (Ethyl ether)	<21.0	ug/kg	258	21.0	1	08/13/15 09:10	08/14/15 18:22	60-29-7	
Ethylbenzene	<9.7	ug/kg	64.5	9.7	1	08/13/15 09:10	08/14/15 18:22	100-41-4	
Hexachloro-1,3-butadiene	<27.5	ug/kg	323	27.5	1	08/13/15 09:10	08/14/15 18:22	87-68-3	
Isopropylbenzene (Cumene)	<11.7	ug/kg	64.5	11.7	1	08/13/15 09:10	08/14/15 18:22	98-82-8	
p-Isopropyltoluene	<11.3	ug/kg	64.5	11.3	1	08/13/15 09:10	08/14/15 18:22	99-87-6	
Methylene Chloride	<19.2	ug/kg	258	19.2	1	08/13/15 09:10	08/14/15 18:22	75-09-2	

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ANALYTICAL RESULTS

Project: IE/Fagerlin
Pace Project No.: 10317272

Sample: GP-2 (4-6') Lab ID: 10317272002 Collected: 08/06/15 10:24 Received: 08/06/15 18:40 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
8260B MSV 5030 Med Level		Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B							
4-Methyl-2-pentanone (MIBK)	<82.1	ug/kg	323	82.1	1	08/13/15 09:10	08/14/15 18:22	108-10-1	
Methyl-tert-butyl ether	<12.1	ug/kg	64.5	12.1	1	08/13/15 09:10	08/14/15 18:22	1634-04-4	
Naphthalene	<93.1	ug/kg	258	93.1	1	08/13/15 09:10	08/14/15 18:22	91-20-3	
n-Propylbenzene	<13.8	ug/kg	64.5	13.8	1	08/13/15 09:10	08/14/15 18:22	103-65-1	
Styrene	<10.3	ug/kg	64.5	10.3	1	08/13/15 09:10	08/14/15 18:22	100-42-5	
1,1,1,2-Tetrachloroethane	<12.4	ug/kg	64.5	12.4	1	08/13/15 09:10	08/14/15 18:22	630-20-6	
1,1,2,2-Tetrachloroethane	<12.4	ug/kg	64.5	12.4	1	08/13/15 09:10	08/14/15 18:22	79-34-5	
Tetrachloroethene	<13.3	ug/kg	64.5	13.3	1	08/13/15 09:10	08/14/15 18:22	127-18-4	
Tetrahydrofuran	<102	ug/kg	2580	102	1	08/13/15 09:10	08/14/15 18:22	109-99-9	
Toluene	<12.4	ug/kg	64.5	12.4	1	08/13/15 09:10	08/14/15 18:22	108-88-3	
1,2,3-Trichlorobenzene	<25.0	ug/kg	64.5	25.0	1	08/13/15 09:10	08/14/15 18:22	87-61-6	
1,2,4-Trichlorobenzene	<11.7	ug/kg	64.5	11.7	1	08/13/15 09:10	08/14/15 18:22	120-82-1	
1,1,1-Trichloroethane	<12.6	ug/kg	64.5	12.6	1	08/13/15 09:10	08/14/15 18:22	71-55-6	
1,1,2-Trichloroethane	<17.7	ug/kg	64.5	17.7	1	08/13/15 09:10	08/14/15 18:22	79-00-5	
Trichloroethene	<15.6	ug/kg	64.5	15.6	1	08/13/15 09:10	08/14/15 18:22	79-01-6	
Trichlorofluoromethane	<44.7	ug/kg	258	44.7	1	08/13/15 09:10	08/14/15 18:22	75-69-4	
1,2,3-Trichloropropane	<17.8	ug/kg	258	17.8	1	08/13/15 09:10	08/14/15 18:22	96-18-4	
1,1,2-Trichlorotrifluoroethane	<15.2	ug/kg	258	15.2	1	08/13/15 09:10	08/14/15 18:22	76-13-1	
1,2,4-Trimethylbenzene	<12.9	ug/kg	64.5	12.9	1	08/13/15 09:10	08/14/15 18:22	95-63-6	
1,3,5-Trimethylbenzene	<12.5	ug/kg	64.5	12.5	1	08/13/15 09:10	08/14/15 18:22	108-67-8	
Vinyl chloride	<11.6	ug/kg	25.8	11.6	1	08/13/15 09:10	08/14/15 18:22	75-01-4	
Xylene (Total)	<38.6	ug/kg	194	38.6	1	08/13/15 09:10	08/14/15 18:22	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	102	%	55-150		1	08/13/15 09:10	08/14/15 18:22	17060-07-0	
Toluene-d8 (S)	104	%	61-125		1	08/13/15 09:10	08/14/15 18:22	2037-26-5	
4-Bromofluorobenzene (S)	96	%	54-131		1	08/13/15 09:10	08/14/15 18:22	460-00-4	

Sample: GP-3 (6-8') Lab ID: 10317272003 Collected: 08/06/15 10:42 Received: 08/06/15 18:40 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
WIGRO GCV		Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil							
Gasoline Range Organics	<2.4	mg/kg	12.0	2.4	1	08/12/15 09:27	08/12/15 23:48		
Surrogates									
a,a,a-Trifluorotoluene (S)	131	%	80-150		1	08/12/15 09:27	08/12/15 23:48	98-08-8	
Dry Weight		Analytical Method: ASTM D2974							
Percent Moisture	14.1	%	0.10	0.10	1		08/11/15 20:04		
8270D MSSV PAH by SIM		Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3550							
Acenaphthene	<0.42	ug/kg	11.6	0.42	1	08/07/15 13:38	08/08/15 19:33	83-32-9	
Acenaphthylene	<0.39	ug/kg	11.6	0.39	1	08/07/15 13:38	08/08/15 19:33	208-96-8	

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ANALYTICAL RESULTS

Project: IE/Fagerlin
Pace Project No.: 10317272

Sample: GP-3 (6-8') Lab ID: 10317272003 Collected: 08/06/15 10:42 Received: 08/06/15 18:40 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
8270D MSSV PAH by SIM									
Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3550									
Anthracene	<0.36	ug/kg	11.6	0.36	1	08/07/15 13:38	08/08/15 19:33	120-12-7	
Benzo(a)anthracene	0.65J	ug/kg	11.6	0.21	1	08/07/15 13:38	08/08/15 19:33	56-55-3	
Benzo(a)pyrene	0.42J	ug/kg	11.6	0.23	1	08/07/15 13:38	08/08/15 19:33	50-32-8	
Benzo(b)fluoranthene	0.55J	ug/kg	11.6	0.41	1	08/07/15 13:38	08/08/15 19:33	205-99-2	
Benzo(g,h,i)perylene	<0.41	ug/kg	11.6	0.41	1	08/07/15 13:38	08/08/15 19:33	191-24-2	
Benzo(k)fluoranthene	<0.47	ug/kg	11.6	0.47	1	08/07/15 13:38	08/08/15 19:33	207-08-9	
Chrysene	0.44J	ug/kg	11.6	0.29	1	08/07/15 13:38	08/08/15 19:33	218-01-9	
Dibenz(a,h)anthracene	<0.50	ug/kg	11.6	0.50	1	08/07/15 13:38	08/08/15 19:33	53-70-3	
Fluoranthene	1.0J	ug/kg	11.6	0.25	1	08/07/15 13:38	08/08/15 19:33	206-44-0	
Fluorene	<0.36	ug/kg	11.6	0.36	1	08/07/15 13:38	08/08/15 19:33	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.45	ug/kg	11.6	0.45	1	08/07/15 13:38	08/08/15 19:33	193-39-5	
Naphthalene	<0.43	ug/kg	11.6	0.43	1	08/07/15 13:38	08/08/15 19:33	91-20-3	
Phenanthrene	0.89J	ug/kg	11.6	0.29	1	08/07/15 13:38	08/08/15 19:33	85-01-8	
Pyrene	0.78J	ug/kg	11.6	0.28	1	08/07/15 13:38	08/08/15 19:33	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	66	%	55-125		1	08/07/15 13:38	08/08/15 19:33	321-60-8	
p-Terphenyl-d14 (S)	77	%	30-150		1	08/07/15 13:38	08/08/15 19:33	1718-51-0	
8260B MSV 5030 Med Level									
Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B									
Acetone	<256	ug/kg	1140	256	1	08/13/15 09:10	08/14/15 18:43	67-64-1	
Allyl chloride	<13.9	ug/kg	228	13.9	1	08/13/15 09:10	08/14/15 18:43	107-05-1	
Benzene	<8.0	ug/kg	22.8	8.0	1	08/13/15 09:10	08/14/15 18:43	71-43-2	
Bromobenzene	<13.8	ug/kg	57.1	13.8	1	08/13/15 09:10	08/14/15 18:43	108-86-1	
Bromochloromethane	<10.9	ug/kg	57.1	10.9	1	08/13/15 09:10	08/14/15 18:43	74-97-5	
Bromodichloromethane	<10.2	ug/kg	57.1	10.2	1	08/13/15 09:10	08/14/15 18:43	75-27-4	
Bromoform	<13.6	ug/kg	228	13.6	1	08/13/15 09:10	08/14/15 18:43	75-25-2	
Bromomethane	<100	ug/kg	571	100	1	08/13/15 09:10	08/14/15 18:43	74-83-9	
2-Butanone (MEK)	<94.8	ug/kg	285	94.8	1	08/13/15 09:10	08/14/15 18:43	78-93-3	
n-Butylbenzene	<10.7	ug/kg	57.1	10.7	1	08/13/15 09:10	08/14/15 18:43	104-51-8	
sec-Butylbenzene	<11.6	ug/kg	57.1	11.6	1	08/13/15 09:10	08/14/15 18:43	135-98-8	
tert-Butylbenzene	<15.3	ug/kg	57.1	15.3	1	08/13/15 09:10	08/14/15 18:43	98-06-6	
Carbon tetrachloride	<13.8	ug/kg	57.1	13.8	1	08/13/15 09:10	08/14/15 18:43	56-23-5	
Chlorobenzene	<9.3	ug/kg	57.1	9.3	1	08/13/15 09:10	08/14/15 18:43	108-90-7	
Chloroethane	<27.3	ug/kg	571	27.3	1	08/13/15 09:10	08/14/15 18:43	75-00-3	
Chloroform	<9.6	ug/kg	57.1	9.6	1	08/13/15 09:10	08/14/15 18:43	67-66-3	
Chloromethane	<11.5	ug/kg	228	11.5	1	08/13/15 09:10	08/14/15 18:43	74-87-3	
2-Chlorotoluene	<11.8	ug/kg	57.1	11.8	1	08/13/15 09:10	08/14/15 18:43	95-49-8	
4-Chlorotoluene	<10.7	ug/kg	57.1	10.7	1	08/13/15 09:10	08/14/15 18:43	106-43-4	
1,2-Dibromo-3-chloropropane	<44.2	ug/kg	571	44.2	1	08/13/15 09:10	08/14/15 18:43	96-12-8	
Dibromochloromethane	<8.8	ug/kg	57.1	8.8	1	08/13/15 09:10	08/14/15 18:43	124-48-1	
1,2-Dibromoethane (EDB)	<9.2	ug/kg	57.1	9.2	1	08/13/15 09:10	08/14/15 18:43	106-93-4	
Dibromomethane	<13.5	ug/kg	57.1	13.5	1	08/13/15 09:10	08/14/15 18:43	74-95-3	
1,2-Dichlorobenzene	<13.8	ug/kg	57.1	13.8	1	08/13/15 09:10	08/14/15 18:43	95-50-1	
1,3-Dichlorobenzene	<13.9	ug/kg	57.1	13.9	1	08/13/15 09:10	08/14/15 18:43	541-73-1	
1,4-Dichlorobenzene	<12.1	ug/kg	57.1	12.1	1	08/13/15 09:10	08/14/15 18:43	106-46-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: IE/Fagerlin
Pace Project No.: 10317272

Sample: GP-3 (6-8') Lab ID: 10317272003 Collected: 08/06/15 10:42 Received: 08/06/15 18:40 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
8260B MSV 5030 Med Level		Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B							
Dichlorodifluoromethane	<14.0	ug/kg	228	14.0	1	08/13/15 09:10	08/14/15 18:43	75-71-8	
1,1-Dichloroethane	<10.9	ug/kg	57.1	10.9	1	08/13/15 09:10	08/14/15 18:43	75-34-3	
1,2-Dichloroethane	<12.8	ug/kg	57.1	12.8	1	08/13/15 09:10	08/14/15 18:43	107-06-2	
1,1-Dichloroethene	<13.0	ug/kg	57.1	13.0	1	08/13/15 09:10	08/14/15 18:43	75-35-4	
cis-1,2-Dichloroethene	<20.3	ug/kg	57.1	20.3	1	08/13/15 09:10	08/14/15 18:43	156-59-2	
trans-1,2-Dichloroethene	<9.4	ug/kg	57.1	9.4	1	08/13/15 09:10	08/14/15 18:43	156-60-5	
Dichlorofluoromethane	<53.7	ug/kg	57.1	53.7	1	08/13/15 09:10	08/14/15 18:43	75-43-4	
1,2-Dichloropropane	<11.6	ug/kg	57.1	11.6	1	08/13/15 09:10	08/14/15 18:43	78-87-5	
1,3-Dichloropropane	<8.9	ug/kg	57.1	8.9	1	08/13/15 09:10	08/14/15 18:43	142-28-9	
2,2-Dichloropropane	<23.1	ug/kg	228	23.1	1	08/13/15 09:10	08/14/15 18:43	594-20-7	
1,1-Dichloropropene	<11.4	ug/kg	57.1	11.4	1	08/13/15 09:10	08/14/15 18:43	563-58-6	
cis-1,3-Dichloropropene	<5.9	ug/kg	57.1	5.9	1	08/13/15 09:10	08/14/15 18:43	10061-01-5	
trans-1,3-Dichloropropene	<22.2	ug/kg	57.1	22.2	1	08/13/15 09:10	08/14/15 18:43	10061-02-6	
Diethyl ether (Ethyl ether)	<18.6	ug/kg	228	18.6	1	08/13/15 09:10	08/14/15 18:43	60-29-7	
Ethylbenzene	<8.5	ug/kg	57.1	8.5	1	08/13/15 09:10	08/14/15 18:43	100-41-4	
Hexachloro-1,3-butadiene	<24.3	ug/kg	285	24.3	1	08/13/15 09:10	08/14/15 18:43	87-68-3	
Isopropylbenzene (Cumene)	<10.4	ug/kg	57.1	10.4	1	08/13/15 09:10	08/14/15 18:43	98-82-8	
p-Isopropyltoluene	<10	ug/kg	57.1	10	1	08/13/15 09:10	08/14/15 18:43	99-87-6	
Methylene Chloride	<17.0	ug/kg	228	17.0	1	08/13/15 09:10	08/14/15 18:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	<72.6	ug/kg	285	72.6	1	08/13/15 09:10	08/14/15 18:43	108-10-1	
Methyl-tert-butyl ether	<10.7	ug/kg	57.1	10.7	1	08/13/15 09:10	08/14/15 18:43	1634-04-4	
Naphthalene	<82.3	ug/kg	228	82.3	1	08/13/15 09:10	08/14/15 18:43	91-20-3	
n-Propylbenzene	<12.2	ug/kg	57.1	12.2	1	08/13/15 09:10	08/14/15 18:43	103-65-1	
Styrene	<9.1	ug/kg	57.1	9.1	1	08/13/15 09:10	08/14/15 18:43	100-42-5	
1,1,1,2-Tetrachloroethane	<11.0	ug/kg	57.1	11.0	1	08/13/15 09:10	08/14/15 18:43	630-20-6	
1,1,2,2-Tetrachloroethane	<10.9	ug/kg	57.1	10.9	1	08/13/15 09:10	08/14/15 18:43	79-34-5	
Tetrachloroethene	<11.8	ug/kg	57.1	11.8	1	08/13/15 09:10	08/14/15 18:43	127-18-4	
Tetrahydrofuran	<90.3	ug/kg	2280	90.3	1	08/13/15 09:10	08/14/15 18:43	109-99-9	
Toluene	<10.9	ug/kg	57.1	10.9	1	08/13/15 09:10	08/14/15 18:43	108-88-3	
1,2,3-Trichlorobenzene	<22.2	ug/kg	57.1	22.2	1	08/13/15 09:10	08/14/15 18:43	87-61-6	
1,2,4-Trichlorobenzene	<10.4	ug/kg	57.1	10.4	1	08/13/15 09:10	08/14/15 18:43	120-82-1	
1,1,1-Trichloroethane	<11.1	ug/kg	57.1	11.1	1	08/13/15 09:10	08/14/15 18:43	71-55-6	
1,1,2-Trichloroethane	<15.6	ug/kg	57.1	15.6	1	08/13/15 09:10	08/14/15 18:43	79-00-5	
Trichloroethene	<13.8	ug/kg	57.1	13.8	1	08/13/15 09:10	08/14/15 18:43	79-01-6	
Trichlorofluoromethane	<39.5	ug/kg	228	39.5	1	08/13/15 09:10	08/14/15 18:43	75-69-4	
1,2,3-Trichloropropane	<15.8	ug/kg	228	15.8	1	08/13/15 09:10	08/14/15 18:43	96-18-4	
1,1,2-Trichlorotrifluoroethane	<13.5	ug/kg	228	13.5	1	08/13/15 09:10	08/14/15 18:43	76-13-1	
1,2,4-Trimethylbenzene	<11.4	ug/kg	57.1	11.4	1	08/13/15 09:10	08/14/15 18:43	95-63-6	
1,3,5-Trimethylbenzene	<11.0	ug/kg	57.1	11.0	1	08/13/15 09:10	08/14/15 18:43	108-67-8	
Vinyl chloride	<10.3	ug/kg	22.8	10.3	1	08/13/15 09:10	08/14/15 18:43	75-01-4	
Xylene (Total)	<34.2	ug/kg	171	34.2	1	08/13/15 09:10	08/14/15 18:43	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	116	%	55-150		1	08/13/15 09:10	08/14/15 18:43	17060-07-0	
Toluene-d8 (S)	106	%	61-125		1	08/13/15 09:10	08/14/15 18:43	2037-26-5	
4-Bromofluorobenzene (S)	99	%	54-131		1	08/13/15 09:10	08/14/15 18:43	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: IE/Fagerlin
Pace Project No.: 10317272

Sample: GP-4 (0-2') **Lab ID: 10317272004** Collected: 08/06/15 11:20 Received: 08/06/15 18:40 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
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil									
Gasoline Range Organics	25.5	mg/kg	13.0	2.6	1	08/12/15 09:27	08/14/15 14:09		
Surrogates									
a,a,a-Trifluorotoluene (S)	118	%	80-150		1	08/12/15 09:27	08/14/15 14:09	98-08-8	
Dry Weight Analytical Method: ASTM D2974									
Percent Moisture	23.4	%	0.10	0.10	1		08/11/15 20:04		
8270D MSSV PAH by SIM Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3550									
Acenaphthene	49.5	ug/kg	13.0	0.47	1	08/07/15 13:38	08/08/15 20:37	83-32-9	
Acenaphthylene	54.9	ug/kg	13.0	0.44	1	08/07/15 13:38	08/08/15 20:37	208-96-8	
Anthracene	144	ug/kg	13.0	0.40	1	08/07/15 13:38	08/08/15 20:37	120-12-7	
Benzo(a)anthracene	430	ug/kg	13.0	0.24	1	08/07/15 13:38	08/08/15 20:37	56-55-3	
Benzo(a)pyrene	419	ug/kg	13.0	0.26	1	08/07/15 13:38	08/08/15 20:37	50-32-8	
Benzo(b)fluoranthene	530	ug/kg	65.1	2.3	5	08/07/15 13:38	08/10/15 09:20	205-99-2	
Benzo(g,h,i)perylene	256	ug/kg	13.0	0.46	1	08/07/15 13:38	08/08/15 20:37	191-24-2	
Benzo(k)fluoranthene	271	ug/kg	13.0	0.52	1	08/07/15 13:38	08/08/15 20:37	207-08-9	
Chrysene	534	ug/kg	65.1	1.6	5	08/07/15 13:38	08/10/15 09:20	218-01-9	
Dibenz(a,h)anthracene	85.6	ug/kg	13.0	0.56	1	08/07/15 13:38	08/08/15 20:37	53-70-3	
Fluoranthene	957	ug/kg	65.1	1.4	5	08/07/15 13:38	08/10/15 09:20	206-44-0	
Fluorene	52.3	ug/kg	13.0	0.40	1	08/07/15 13:38	08/08/15 20:37	86-73-7	
Indeno(1,2,3-cd)pyrene	215	ug/kg	13.0	0.50	1	08/07/15 13:38	08/08/15 20:37	193-39-5	
Naphthalene	34.4	ug/kg	13.0	0.48	1	08/07/15 13:38	08/08/15 20:37	91-20-3	
Phenanthrene	609	ug/kg	65.1	1.6	5	08/07/15 13:38	08/10/15 09:20	85-01-8	
Pyrene	873	ug/kg	65.1	1.6	5	08/07/15 13:38	08/10/15 09:20	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	70	%	55-125		1	08/07/15 13:38	08/08/15 20:37	321-60-8	
p-Terphenyl-d14 (S)	82	%	30-150		1	08/07/15 13:38	08/08/15 20:37	1718-51-0	
8260B MSV 5030 Med Level Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B									
Acetone	<284	ug/kg	1270	284	1	08/13/15 09:10	08/14/15 19:03	67-64-1	
Allyl chloride	<15.5	ug/kg	254	15.5	1	08/13/15 09:10	08/14/15 19:03	107-05-1	
Benzene	<8.9	ug/kg	25.4	8.9	1	08/13/15 09:10	08/14/15 19:03	71-43-2	
Bromobenzene	<15.3	ug/kg	63.4	15.3	1	08/13/15 09:10	08/14/15 19:03	108-86-1	
Bromochloromethane	<12.1	ug/kg	63.4	12.1	1	08/13/15 09:10	08/14/15 19:03	74-97-5	
Bromodichloromethane	<11.3	ug/kg	63.4	11.3	1	08/13/15 09:10	08/14/15 19:03	75-27-4	
Bromoform	<15.1	ug/kg	254	15.1	1	08/13/15 09:10	08/14/15 19:03	75-25-2	
Bromomethane	<111	ug/kg	634	111	1	08/13/15 09:10	08/14/15 19:03	74-83-9	
2-Butanone (MEK)	<105	ug/kg	317	105	1	08/13/15 09:10	08/14/15 19:03	78-93-3	
n-Butylbenzene	<11.9	ug/kg	63.4	11.9	1	08/13/15 09:10	08/14/15 19:03	104-51-8	
sec-Butylbenzene	<12.9	ug/kg	63.4	12.9	1	08/13/15 09:10	08/14/15 19:03	135-98-8	
tert-Butylbenzene	<17.0	ug/kg	63.4	17.0	1	08/13/15 09:10	08/14/15 19:03	98-06-6	
Carbon tetrachloride	<15.3	ug/kg	63.4	15.3	1	08/13/15 09:10	08/14/15 19:03	56-23-5	
Chlorobenzene	<10.3	ug/kg	63.4	10.3	1	08/13/15 09:10	08/14/15 19:03	108-90-7	
Chloroethane	<30.3	ug/kg	634	30.3	1	08/13/15 09:10	08/14/15 19:03	75-00-3	
Chloroform	<10.6	ug/kg	63.4	10.6	1	08/13/15 09:10	08/14/15 19:03	67-66-3	

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ANALYTICAL RESULTS

Project: IE/Fagerlin
Pace Project No.: 10317272

Sample: GP-4 (0-2') Lab ID: 10317272004 Collected: 08/06/15 11:20 Received: 08/06/15 18:40 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
8260B MSV 5030 Med Level		Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B							
Chloromethane	<12.8	ug/kg	254	12.8	1	08/13/15 09:10	08/14/15 19:03	74-87-3	
2-Chlorotoluene	<13.1	ug/kg	63.4	13.1	1	08/13/15 09:10	08/14/15 19:03	95-49-8	
4-Chlorotoluene	<11.9	ug/kg	63.4	11.9	1	08/13/15 09:10	08/14/15 19:03	106-43-4	
1,2-Dibromo-3-chloropropane	<49.1	ug/kg	634	49.1	1	08/13/15 09:10	08/14/15 19:03	96-12-8	
Dibromochloromethane	<9.8	ug/kg	63.4	9.8	1	08/13/15 09:10	08/14/15 19:03	124-48-1	
1,2-Dibromoethane (EDB)	<10.2	ug/kg	63.4	10.2	1	08/13/15 09:10	08/14/15 19:03	106-93-4	
Dibromomethane	<15.0	ug/kg	63.4	15.0	1	08/13/15 09:10	08/14/15 19:03	74-95-3	
1,2-Dichlorobenzene	<15.3	ug/kg	63.4	15.3	1	08/13/15 09:10	08/14/15 19:03	95-50-1	
1,3-Dichlorobenzene	<15.5	ug/kg	63.4	15.5	1	08/13/15 09:10	08/14/15 19:03	541-73-1	
1,4-Dichlorobenzene	<13.4	ug/kg	63.4	13.4	1	08/13/15 09:10	08/14/15 19:03	106-46-7	
Dichlorodifluoromethane	<15.6	ug/kg	254	15.6	1	08/13/15 09:10	08/14/15 19:03	75-71-8	
1,1-Dichloroethane	<12.1	ug/kg	63.4	12.1	1	08/13/15 09:10	08/14/15 19:03	75-34-3	
1,2-Dichloroethane	<14.2	ug/kg	63.4	14.2	1	08/13/15 09:10	08/14/15 19:03	107-06-2	
1,1-Dichloroethene	<14.4	ug/kg	63.4	14.4	1	08/13/15 09:10	08/14/15 19:03	75-35-4	
cis-1,2-Dichloroethene	<22.6	ug/kg	63.4	22.6	1	08/13/15 09:10	08/14/15 19:03	156-59-2	
trans-1,2-Dichloroethene	<10.4	ug/kg	63.4	10.4	1	08/13/15 09:10	08/14/15 19:03	156-60-5	
Dichlorofluoromethane	<59.6	ug/kg	634	59.6	1	08/13/15 09:10	08/14/15 19:03	75-43-4	
1,2-Dichloropropane	<12.9	ug/kg	63.4	12.9	1	08/13/15 09:10	08/14/15 19:03	78-87-5	
1,3-Dichloropropane	<9.9	ug/kg	63.4	9.9	1	08/13/15 09:10	08/14/15 19:03	142-28-9	
2,2-Dichloropropane	<25.6	ug/kg	254	25.6	1	08/13/15 09:10	08/14/15 19:03	594-20-7	
1,1-Dichloropropene	<12.7	ug/kg	63.4	12.7	1	08/13/15 09:10	08/14/15 19:03	563-58-6	
cis-1,3-Dichloropropene	<6.6	ug/kg	63.4	6.6	1	08/13/15 09:10	08/14/15 19:03	10061-01-5	
trans-1,3-Dichloropropene	<24.6	ug/kg	63.4	24.6	1	08/13/15 09:10	08/14/15 19:03	10061-02-6	
Diethyl ether (Ethyl ether)	<20.7	ug/kg	254	20.7	1	08/13/15 09:10	08/14/15 19:03	60-29-7	
Ethylbenzene	<9.5	ug/kg	63.4	9.5	1	08/13/15 09:10	08/14/15 19:03	100-41-4	
Hexachloro-1,3-butadiene	<27.0	ug/kg	317	27.0	1	08/13/15 09:10	08/14/15 19:03	87-68-3	
Isopropylbenzene (Cumene)	<11.5	ug/kg	63.4	11.5	1	08/13/15 09:10	08/14/15 19:03	98-82-8	
p-Isopropyltoluene	<11.1	ug/kg	63.4	11.1	1	08/13/15 09:10	08/14/15 19:03	99-87-6	
Methylene Chloride	47.5J	ug/kg	254	18.9	1	08/13/15 09:10	08/14/15 19:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	<80.6	ug/kg	317	80.6	1	08/13/15 09:10	08/14/15 19:03	108-10-1	
Methyl-tert-butyl ether	<11.9	ug/kg	63.4	11.9	1	08/13/15 09:10	08/14/15 19:03	1634-04-4	
Naphthalene	<91.4	ug/kg	254	91.4	1	08/13/15 09:10	08/14/15 19:03	91-20-3	
n-Propylbenzene	<13.6	ug/kg	63.4	13.6	1	08/13/15 09:10	08/14/15 19:03	103-65-1	
Styrene	<10.1	ug/kg	63.4	10.1	1	08/13/15 09:10	08/14/15 19:03	100-42-5	
1,1,1,2-Tetrachloroethane	<12.2	ug/kg	63.4	12.2	1	08/13/15 09:10	08/14/15 19:03	630-20-6	
1,1,2,2-Tetrachloroethane	<12.1	ug/kg	63.4	12.1	1	08/13/15 09:10	08/14/15 19:03	79-34-5	
Tetrachloroethene	<13.1	ug/kg	63.4	13.1	1	08/13/15 09:10	08/14/15 19:03	127-18-4	
Tetrahydrofuran	<100	ug/kg	2540	100	1	08/13/15 09:10	08/14/15 19:03	109-99-9	
Toluene	39.1J	ug/kg	63.4	12.2	1	08/13/15 09:10	08/14/15 19:03	108-88-3	
1,2,3-Trichlorobenzene	<24.6	ug/kg	63.4	24.6	1	08/13/15 09:10	08/14/15 19:03	87-61-6	
1,2,4-Trichlorobenzene	<11.5	ug/kg	63.4	11.5	1	08/13/15 09:10	08/14/15 19:03	120-82-1	
1,1,1-Trichloroethane	<12.3	ug/kg	63.4	12.3	1	08/13/15 09:10	08/14/15 19:03	71-55-6	
1,1,2-Trichloroethane	<17.4	ug/kg	63.4	17.4	1	08/13/15 09:10	08/14/15 19:03	79-00-5	
Trichloroethene	<15.3	ug/kg	63.4	15.3	1	08/13/15 09:10	08/14/15 19:03	79-01-6	
Trichlorofluoromethane	<43.9	ug/kg	254	43.9	1	08/13/15 09:10	08/14/15 19:03	75-69-4	

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ANALYTICAL RESULTS

Project: IE/Fagerlin
Pace Project No.: 10317272

Sample: GP-4 (0-2') Lab ID: 10317272004 Collected: 08/06/15 11:20 Received: 08/06/15 18:40 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
8260B MSV 5030 Med Level Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B									
1,2,3-Trichloropropane	<17.5	ug/kg	254	17.5	1	08/13/15 09:10	08/14/15 19:03	96-18-4	
1,1,2-Trichlorotrifluoroethane	<15.0	ug/kg	254	15.0	1	08/13/15 09:10	08/14/15 19:03	76-13-1	
1,2,4-Trimethylbenzene	<12.7	ug/kg	63.4	12.7	1	08/13/15 09:10	08/14/15 19:03	95-63-6	
1,3,5-Trimethylbenzene	<12.3	ug/kg	63.4	12.3	1	08/13/15 09:10	08/14/15 19:03	108-67-8	
Vinyl chloride	<11.4	ug/kg	25.4	11.4	1	08/13/15 09:10	08/14/15 19:03	75-01-4	
Xylene (Total)	<37.9	ug/kg	190	37.9	1	08/13/15 09:10	08/14/15 19:03	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	100	%	55-150		1	08/13/15 09:10	08/14/15 19:03	17060-07-0	
Toluene-d8 (S)	103	%	61-125		1	08/13/15 09:10	08/14/15 19:03	2037-26-5	
4-Bromofluorobenzene (S)	99	%	54-131		1	08/13/15 09:10	08/14/15 19:03	460-00-4	

Sample: GP-5 (8-10') Lab ID: 10317272005 Collected: 08/06/15 12:10 Received: 08/06/15 18:40 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
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil									
Gasoline Range Organics	<2.7	mg/kg	13.3	2.7	1	08/12/15 09:27	08/13/15 00:33		
Surrogates									
a,a,a-Trifluorotoluene (S)	131	%	80-150		1	08/12/15 09:27	08/13/15 00:33	98-08-8	
Dry Weight Analytical Method: ASTM D2974									
Percent Moisture	23.3	%	0.10	0.10	1		08/11/15 20:05		
8270D MSSV PAH by SIM Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3550									
Acenaphthene	<0.47	ug/kg	12.9	0.47	1	08/07/15 13:38	08/08/15 19:54	83-32-9	
Acenaphthylene	<0.44	ug/kg	12.9	0.44	1	08/07/15 13:38	08/08/15 19:54	208-96-8	
Anthracene	<0.40	ug/kg	12.9	0.40	1	08/07/15 13:38	08/08/15 19:54	120-12-7	
Benzo(a)anthracene	<0.24	ug/kg	12.9	0.24	1	08/07/15 13:38	08/08/15 19:54	56-55-3	
Benzo(a)pyrene	<0.26	ug/kg	12.9	0.26	1	08/07/15 13:38	08/08/15 19:54	50-32-8	
Benzo(b)fluoranthene	<0.45	ug/kg	12.9	0.45	1	08/07/15 13:38	08/08/15 19:54	205-99-2	
Benzo(g,h,i)perylene	<0.46	ug/kg	12.9	0.46	1	08/07/15 13:38	08/08/15 19:54	191-24-2	
Benzo(k)fluoranthene	<0.52	ug/kg	12.9	0.52	1	08/07/15 13:38	08/08/15 19:54	207-08-9	
Chrysene	<0.32	ug/kg	12.9	0.32	1	08/07/15 13:38	08/08/15 19:54	218-01-9	
Dibenz(a,h)anthracene	<0.56	ug/kg	12.9	0.56	1	08/07/15 13:38	08/08/15 19:54	53-70-3	
Fluoranthene	0.69J	ug/kg	12.9	0.28	1	08/07/15 13:38	08/08/15 19:54	206-44-0	
Fluorene	<0.40	ug/kg	12.9	0.40	1	08/07/15 13:38	08/08/15 19:54	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.50	ug/kg	12.9	0.50	1	08/07/15 13:38	08/08/15 19:54	193-39-5	
Naphthalene	<0.48	ug/kg	12.9	0.48	1	08/07/15 13:38	08/08/15 19:54	91-20-3	
Phenanthrene	0.70J	ug/kg	12.9	0.32	1	08/07/15 13:38	08/08/15 19:54	85-01-8	
Pyrene	0.40J	ug/kg	12.9	0.31	1	08/07/15 13:38	08/08/15 19:54	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	64	%	55-125		1	08/07/15 13:38	08/08/15 19:54	321-60-8	
p-Terphenyl-d14 (S)	79	%	30-150		1	08/07/15 13:38	08/08/15 19:54	1718-51-0	

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ANALYTICAL RESULTS

Project: IE/Fagerlin
Pace Project No.: 10317272

Sample: GP-5 (8-10') Lab ID: 10317272005 Collected: 08/06/15 12:10 Received: 08/06/15 18:40 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
8260B MSV 5030 Med Level		Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B							
Acetone	<282	ug/kg	1260	282	1	08/13/15 09:10	08/14/15 19:24	67-64-1	
Allyl chloride	<15.4	ug/kg	252	15.4	1	08/13/15 09:10	08/14/15 19:24	107-05-1	
Benzene	<8.8	ug/kg	25.2	8.8	1	08/13/15 09:10	08/14/15 19:24	71-43-2	
Bromobenzene	<15.2	ug/kg	63.0	15.2	1	08/13/15 09:10	08/14/15 19:24	108-86-1	
Bromochloromethane	<12.1	ug/kg	63.0	12.1	1	08/13/15 09:10	08/14/15 19:24	74-97-5	
Bromodichloromethane	<11.2	ug/kg	63.0	11.2	1	08/13/15 09:10	08/14/15 19:24	75-27-4	
Bromoform	<15.0	ug/kg	252	15.0	1	08/13/15 09:10	08/14/15 19:24	75-25-2	
Bromomethane	<111	ug/kg	630	111	1	08/13/15 09:10	08/14/15 19:24	74-83-9	
2-Butanone (MEK)	<104	ug/kg	315	104	1	08/13/15 09:10	08/14/15 19:24	78-93-3	
n-Butylbenzene	<11.8	ug/kg	63.0	11.8	1	08/13/15 09:10	08/14/15 19:24	104-51-8	
sec-Butylbenzene	<12.8	ug/kg	63.0	12.8	1	08/13/15 09:10	08/14/15 19:24	135-98-8	
tert-Butylbenzene	<16.9	ug/kg	63.0	16.9	1	08/13/15 09:10	08/14/15 19:24	98-06-6	
Carbon tetrachloride	<15.2	ug/kg	63.0	15.2	1	08/13/15 09:10	08/14/15 19:24	56-23-5	
Chlorobenzene	<10.2	ug/kg	63.0	10.2	1	08/13/15 09:10	08/14/15 19:24	108-90-7	
Chloroethane	<30.1	ug/kg	630	30.1	1	08/13/15 09:10	08/14/15 19:24	75-00-3	
Chloroform	<10.5	ug/kg	63.0	10.5	1	08/13/15 09:10	08/14/15 19:24	67-66-3	
Chloromethane	<12.7	ug/kg	252	12.7	1	08/13/15 09:10	08/14/15 19:24	74-87-3	
2-Chlorotoluene	<13.0	ug/kg	63.0	13.0	1	08/13/15 09:10	08/14/15 19:24	95-49-8	
4-Chlorotoluene	<11.8	ug/kg	63.0	11.8	1	08/13/15 09:10	08/14/15 19:24	106-43-4	
1,2-Dibromo-3-chloropropane	<48.7	ug/kg	630	48.7	1	08/13/15 09:10	08/14/15 19:24	96-12-8	
Dibromochloromethane	<9.7	ug/kg	63.0	9.7	1	08/13/15 09:10	08/14/15 19:24	124-48-1	
1,2-Dibromoethane (EDB)	<10.1	ug/kg	63.0	10.1	1	08/13/15 09:10	08/14/15 19:24	106-93-4	
Dibromomethane	<14.9	ug/kg	63.0	14.9	1	08/13/15 09:10	08/14/15 19:24	74-95-3	
1,2-Dichlorobenzene	<15.2	ug/kg	63.0	15.2	1	08/13/15 09:10	08/14/15 19:24	95-50-1	
1,3-Dichlorobenzene	<15.4	ug/kg	63.0	15.4	1	08/13/15 09:10	08/14/15 19:24	541-73-1	
1,4-Dichlorobenzene	<13.3	ug/kg	63.0	13.3	1	08/13/15 09:10	08/14/15 19:24	106-46-7	
Dichlorodifluoromethane	<15.5	ug/kg	252	15.5	1	08/13/15 09:10	08/14/15 19:24	75-71-8	
1,1-Dichloroethane	<12.0	ug/kg	63.0	12.0	1	08/13/15 09:10	08/14/15 19:24	75-34-3	
1,2-Dichloroethane	<14.1	ug/kg	63.0	14.1	1	08/13/15 09:10	08/14/15 19:24	107-06-2	
1,1-Dichloroethene	<14.4	ug/kg	63.0	14.4	1	08/13/15 09:10	08/14/15 19:24	75-35-4	
cis-1,2-Dichloroethene	<22.4	ug/kg	63.0	22.4	1	08/13/15 09:10	08/14/15 19:24	156-59-2	
trans-1,2-Dichloroethene	<10.3	ug/kg	63.0	10.3	1	08/13/15 09:10	08/14/15 19:24	156-60-5	
Dichlorofluoromethane	<59.2	ug/kg	630	59.2	1	08/13/15 09:10	08/14/15 19:24	75-43-4	
1,2-Dichloropropane	<12.8	ug/kg	63.0	12.8	1	08/13/15 09:10	08/14/15 19:24	78-87-5	
1,3-Dichloropropane	<9.9	ug/kg	63.0	9.9	1	08/13/15 09:10	08/14/15 19:24	142-28-9	
2,2-Dichloropropane	<25.4	ug/kg	252	25.4	1	08/13/15 09:10	08/14/15 19:24	594-20-7	
1,1-Dichloropropene	<12.6	ug/kg	63.0	12.6	1	08/13/15 09:10	08/14/15 19:24	563-58-6	
cis-1,3-Dichloropropene	<6.5	ug/kg	63.0	6.5	1	08/13/15 09:10	08/14/15 19:24	10061-01-5	
trans-1,3-Dichloropropene	<24.4	ug/kg	63.0	24.4	1	08/13/15 09:10	08/14/15 19:24	10061-02-6	
Diethyl ether (Ethyl ether)	<20.5	ug/kg	252	20.5	1	08/13/15 09:10	08/14/15 19:24	60-29-7	
Ethylbenzene	<9.4	ug/kg	63.0	9.4	1	08/13/15 09:10	08/14/15 19:24	100-41-4	
Hexachloro-1,3-butadiene	<26.8	ug/kg	315	26.8	1	08/13/15 09:10	08/14/15 19:24	87-68-3	
Isopropylbenzene (Cumene)	<11.4	ug/kg	63.0	11.4	1	08/13/15 09:10	08/14/15 19:24	98-82-8	
p-Isopropyltoluene	<11.0	ug/kg	63.0	11.0	1	08/13/15 09:10	08/14/15 19:24	99-87-6	
Methylene Chloride	<18.8	ug/kg	252	18.8	1	08/13/15 09:10	08/14/15 19:24	75-09-2	

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ANALYTICAL RESULTS

Project: IE/Fagerlin
Pace Project No.: 10317272

Sample: GP-5 (8-10') **Lab ID: 10317272005** Collected: 08/06/15 12:10 Received: 08/06/15 18:40 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
8260B MSV 5030 Med Level		Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B							
4-Methyl-2-pentanone (MIBK)	<80.1	ug/kg	315	80.1	1	08/13/15 09:10	08/14/15 19:24	108-10-1	
Methyl-tert-butyl ether	<11.8	ug/kg	63.0	11.8	1	08/13/15 09:10	08/14/15 19:24	1634-04-4	
Naphthalene	<90.8	ug/kg	252	90.8	1	08/13/15 09:10	08/14/15 19:24	91-20-3	
n-Propylbenzene	<13.5	ug/kg	63.0	13.5	1	08/13/15 09:10	08/14/15 19:24	103-65-1	
Styrene	<10	ug/kg	63.0	10	1	08/13/15 09:10	08/14/15 19:24	100-42-5	
1,1,1,2-Tetrachloroethane	<12.1	ug/kg	63.0	12.1	1	08/13/15 09:10	08/14/15 19:24	630-20-6	
1,1,2,2-Tetrachloroethane	<12.0	ug/kg	63.0	12.0	1	08/13/15 09:10	08/14/15 19:24	79-34-5	
Tetrachloroethene	<13.0	ug/kg	63.0	13.0	1	08/13/15 09:10	08/14/15 19:24	127-18-4	
Tetrahydrofuran	<99.6	ug/kg	2520	99.6	1	08/13/15 09:10	08/14/15 19:24	109-99-9	
Toluene	<12.1	ug/kg	63.0	12.1	1	08/13/15 09:10	08/14/15 19:24	108-88-3	
1,2,3-Trichlorobenzene	<24.4	ug/kg	63.0	24.4	1	08/13/15 09:10	08/14/15 19:24	87-61-6	
1,2,4-Trichlorobenzene	<11.5	ug/kg	63.0	11.5	1	08/13/15 09:10	08/14/15 19:24	120-82-1	
1,1,1-Trichloroethane	<12.3	ug/kg	63.0	12.3	1	08/13/15 09:10	08/14/15 19:24	71-55-6	
1,1,2-Trichloroethane	<17.2	ug/kg	63.0	17.2	1	08/13/15 09:10	08/14/15 19:24	79-00-5	
Trichloroethene	<15.2	ug/kg	63.0	15.2	1	08/13/15 09:10	08/14/15 19:24	79-01-6	
Trichlorofluoromethane	<43.6	ug/kg	252	43.6	1	08/13/15 09:10	08/14/15 19:24	75-69-4	
1,2,3-Trichloropropane	<17.4	ug/kg	252	17.4	1	08/13/15 09:10	08/14/15 19:24	96-18-4	
1,1,2-Trichlorotrifluoroethane	<14.9	ug/kg	252	14.9	1	08/13/15 09:10	08/14/15 19:24	76-13-1	
1,2,4-Trimethylbenzene	<12.6	ug/kg	63.0	12.6	1	08/13/15 09:10	08/14/15 19:24	95-63-6	
1,3,5-Trimethylbenzene	<12.2	ug/kg	63.0	12.2	1	08/13/15 09:10	08/14/15 19:24	108-67-8	
Vinyl chloride	<11.3	ug/kg	25.2	11.3	1	08/13/15 09:10	08/14/15 19:24	75-01-4	
Xylene (Total)	<37.7	ug/kg	189	37.7	1	08/13/15 09:10	08/14/15 19:24	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	106	%	55-150		1	08/13/15 09:10	08/14/15 19:24	17060-07-0	
Toluene-d8 (S)	106	%	61-125		1	08/13/15 09:10	08/14/15 19:24	2037-26-5	
4-Bromofluorobenzene (S)	98	%	54-131		1	08/13/15 09:10	08/14/15 19:24	460-00-4	

Sample: GP-3 (7-12') **Lab ID: 10317272006** Collected: 08/06/15 11:00 Received: 08/06/15 18:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV		Analytical Method: WI MOD GRO							
Gasoline Range Organics	<18.0	ug/L	100	18.0	1		08/12/15 21:30		
Surrogates									
a,a,a-Trifluorotoluene (S)	98	%	80-150		1		08/12/15 21:30	98-08-8	pH
8270D MSSV PAH by SIM		Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510							
Acenaphthene	0.0064J	ug/L	0.047	0.0038	1	08/12/15 07:51	08/14/15 11:07	83-32-9	
Acenaphthylene	<0.0047	ug/L	0.047	0.0047	1	08/12/15 07:51	08/14/15 11:07	208-96-8	
Anthracene	0.0076J	ug/L	0.047	0.0052	1	08/12/15 07:51	08/14/15 11:07	120-12-7	
Benzo(a)anthracene	0.0067J	ug/L	0.047	0.0035	1	08/12/15 07:51	08/14/15 11:07	56-55-3	B
Benzo(a)pyrene	<0.0035	ug/L	0.047	0.0035	1	08/12/15 07:51	08/14/15 11:07	50-32-8	
Benzo(b)fluoranthene	<0.0090	ug/L	0.047	0.0090	1	08/12/15 07:51	08/14/15 11:07	205-99-2	

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ANALYTICAL RESULTS

Project: IE/Fagerlin
Pace Project No.: 10317272

Sample: GP-3 (7-12') Lab ID: 10317272006 Collected: 08/06/15 11:00 Received: 08/06/15 18:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM									
Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	<0.0063	ug/L	0.047	0.0063	1	08/12/15 07:51	08/14/15 11:07	191-24-2	
Benzo(k)fluoranthene	<0.0044	ug/L	0.047	0.0044	1	08/12/15 07:51	08/14/15 11:07	207-08-9	
Chrysene	<0.0062	ug/L	0.047	0.0062	1	08/12/15 07:51	08/14/15 11:07	218-01-9	
Dibenz(a,h)anthracene	<0.011	ug/L	0.047	0.011	1	08/12/15 07:51	08/14/15 11:07	53-70-3	
Fluoranthene	0.0096J	ug/L	0.047	0.0067	1	08/12/15 07:51	08/14/15 11:07	206-44-0	
Fluorene	0.012J	ug/L	0.047	0.0066	1	08/12/15 07:51	08/14/15 11:07	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.0065	ug/L	0.047	0.0065	1	08/12/15 07:51	08/14/15 11:07	193-39-5	
Naphthalene	0.021J	ug/L	0.047	0.011	1	08/12/15 07:51	08/14/15 11:07	91-20-3	B
Phenanthrene	0.036J	ug/L	0.047	0.015	1	08/12/15 07:51	08/14/15 11:07	85-01-8	
Pyrene	<0.0075	ug/L	0.047	0.0075	1	08/12/15 07:51	08/14/15 11:07	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	81	%	52-125		1	08/12/15 07:51	08/14/15 11:07	321-60-8	
p-Terphenyl-d14 (S)	88	%	62-125		1	08/12/15 07:51	08/14/15 11:07	1718-51-0	
8260B VOC									
Analytical Method: EPA 8260B									
Acetone	<7.1	ug/L	20.0	7.1	1		08/09/15 22:35	67-64-1	L3
Allyl chloride	<0.58	ug/L	4.0	0.58	1		08/09/15 22:35	107-05-1	
Benzene	<0.21	ug/L	1.0	0.21	1		08/09/15 22:35	71-43-2	
Bromobenzene	<0.25	ug/L	1.0	0.25	1		08/09/15 22:35	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/09/15 22:35	74-97-5	
Bromodichloromethane	<0.18	ug/L	1.0	0.18	1		08/09/15 22:35	75-27-4	
Bromoform	<0.41	ug/L	4.0	0.41	1		08/09/15 22:35	75-25-2	CL,L2
Bromomethane	<0.36	ug/L	4.0	0.36	1		08/09/15 22:35	74-83-9	L3
2-Butanone (MEK)	<2.5	ug/L	5.0	2.5	1		08/09/15 22:35	78-93-3	
n-Butylbenzene	<0.083	ug/L	1.0	0.083	1		08/09/15 22:35	104-51-8	
sec-Butylbenzene	<0.16	ug/L	1.0	0.16	1		08/09/15 22:35	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/09/15 22:35	98-06-6	
Carbon tetrachloride	<0.35	ug/L	1.0	0.35	1		08/09/15 22:35	56-23-5	
Chlorobenzene	<0.23	ug/L	1.0	0.23	1		08/09/15 22:35	108-90-7	
Chloroethane	<0.34	ug/L	1.0	0.34	1		08/09/15 22:35	75-00-3	
Chloroform	<0.27	ug/L	1.0	0.27	1		08/09/15 22:35	67-66-3	
Chloromethane	<0.64	ug/L	4.0	0.64	1		08/09/15 22:35	74-87-3	
2-Chlorotoluene	<0.22	ug/L	1.0	0.22	1		08/09/15 22:35	95-49-8	
4-Chlorotoluene	<0.24	ug/L	1.0	0.24	1		08/09/15 22:35	106-43-4	
1,2-Dibromo-3-chloropropane	<0.70	ug/L	4.0	0.70	1		08/09/15 22:35	96-12-8	
Dibromochloromethane	<0.16	ug/L	1.0	0.16	1		08/09/15 22:35	124-48-1	
1,2-Dibromoethane (EDB)	<0.23	ug/L	1.0	0.23	1		08/09/15 22:35	106-93-4	
Dibromomethane	<0.31	ug/L	4.0	0.31	1		08/09/15 22:35	74-95-3	
1,2-Dichlorobenzene	<0.22	ug/L	1.0	0.22	1		08/09/15 22:35	95-50-1	
1,3-Dichlorobenzene	<0.21	ug/L	1.0	0.21	1		08/09/15 22:35	541-73-1	
1,4-Dichlorobenzene	<0.16	ug/L	1.0	0.16	1		08/09/15 22:35	106-46-7	
Dichlorodifluoromethane	<0.49	ug/L	1.0	0.49	1		08/09/15 22:35	75-71-8	
1,1-Dichloroethane	<0.22	ug/L	1.0	0.22	1		08/09/15 22:35	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/09/15 22:35	107-06-2	
1,1-Dichloroethene	<0.22	ug/L	1.0	0.22	1		08/09/15 22:35	75-35-4	
cis-1,2-Dichloroethene	<0.25	ug/L	1.0	0.25	1		08/09/15 22:35	156-59-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: IE/Fagerlin
Pace Project No.: 10317272

Sample: GP-3 (7-12') Lab ID: 10317272006 Collected: 08/06/15 11:00 Received: 08/06/15 18:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC									
Analytical Method: EPA 8260B									
trans-1,2-Dichloroethene	<0.21	ug/L	1.0	0.21	1		08/09/15 22:35	156-60-5	
Dichlorofluoromethane	<0.22	ug/L	1.0	0.22	1		08/09/15 22:35	75-43-4	
1,2-Dichloropropane	<0.42	ug/L	4.0	0.42	1		08/09/15 22:35	78-87-5	
1,3-Dichloropropane	<0.24	ug/L	1.0	0.24	1		08/09/15 22:35	142-28-9	
2,2-Dichloropropane	<0.36	ug/L	4.0	0.36	1		08/09/15 22:35	594-20-7	
1,1-Dichloropropene	<0.16	ug/L	1.0	0.16	1		08/09/15 22:35	563-58-6	
cis-1,3-Dichloropropene	<0.21	ug/L	4.0	0.21	1		08/09/15 22:35	10061-01-5	
trans-1,3-Dichloropropene	<0.22	ug/L	4.0	0.22	1		08/09/15 22:35	10061-02-6	
Diethyl ether (Ethyl ether)	<0.38	ug/L	4.0	0.38	1		08/09/15 22:35	60-29-7	
Ethylbenzene	<0.23	ug/L	1.0	0.23	1		08/09/15 22:35	100-41-4	
Hexachloro-1,3-butadiene	<0.48	ug/L	1.0	0.48	1		08/09/15 22:35	87-68-3	
Isopropylbenzene (Cumene)	<0.17	ug/L	1.0	0.17	1		08/09/15 22:35	98-82-8	
p-Isopropyltoluene	<0.16	ug/L	1.0	0.16	1		08/09/15 22:35	99-87-6	
Methylene Chloride	<0.56	ug/L	4.0	0.56	1		08/09/15 22:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	<2.4	ug/L	5.0	2.4	1		08/09/15 22:35	108-10-1	
Methyl-tert-butyl ether	<0.20	ug/L	1.0	0.20	1		08/09/15 22:35	1634-04-4	
Naphthalene	<0.14	ug/L	4.0	0.14	1		08/09/15 22:35	91-20-3	
n-Propylbenzene	<0.21	ug/L	1.0	0.21	1		08/09/15 22:35	103-65-1	
Styrene	<0.11	ug/L	1.0	0.11	1		08/09/15 22:35	100-42-5	
1,1,1,2-Tetrachloroethane	<0.20	ug/L	1.0	0.20	1		08/09/15 22:35	630-20-6	
1,1,2,2-Tetrachloroethane	<0.22	ug/L	1.0	0.22	1		08/09/15 22:35	79-34-5	
Tetrachloroethene	<0.19	ug/L	1.0	0.19	1		08/09/15 22:35	127-18-4	
Tetrahydrofuran	<4.0	ug/L	10.0	4.0	1		08/09/15 22:35	109-99-9	
Toluene	0.30J	ug/L	1.0	0.13	1		08/09/15 22:35	108-88-3	
1,2,3-Trichlorobenzene	<0.23	ug/L	1.0	0.23	1		08/09/15 22:35	87-61-6	
1,2,4-Trichlorobenzene	<0.22	ug/L	1.0	0.22	1		08/09/15 22:35	120-82-1	
1,1,1-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/09/15 22:35	71-55-6	
1,1,2-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/09/15 22:35	79-00-5	
Trichloroethene	<0.14	ug/L	0.40	0.14	1		08/09/15 22:35	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/09/15 22:35	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	4.0	0.50	1		08/09/15 22:35	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.42	ug/L	1.0	0.42	1		08/09/15 22:35	76-13-1	
1,2,4-Trimethylbenzene	<0.16	ug/L	1.0	0.16	1		08/09/15 22:35	95-63-6	
1,3,5-Trimethylbenzene	<0.20	ug/L	1.0	0.20	1		08/09/15 22:35	108-67-8	
Vinyl chloride	<0.15	ug/L	0.40	0.15	1		08/09/15 22:35	75-01-4	
Xylene (Total)	<0.60	ug/L	3.0	0.60	1		08/09/15 22:35	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	99	%	75-125		1		08/09/15 22:35	17060-07-0	
Toluene-d8 (S)	99	%	75-125		1		08/09/15 22:35	2037-26-5	
4-Bromofluorobenzene (S)	104	%	75-125		1		08/09/15 22:35	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: IE/Fagerlin
Pace Project No.: 10317272

Sample: HA-1 **Lab ID: 10317272007** Collected: 08/06/15 12:25 Received: 08/06/15 18:40 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
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil									
Gasoline Range Organics	<2.2	mg/kg	10.9	2.2	1	08/12/15 09:27	08/13/15 00:55		
Surrogates									
a,a,a-Trifluorotoluene (S)	130	%	80-150		1	08/12/15 09:27	08/13/15 00:55	98-08-8	
Dry Weight Analytical Method: ASTM D2974									
Percent Moisture	3.3	%	0.10	0.10	1		08/11/15 20:05		
8270D MSSV PAH by SIM Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3550									
Acenaphthene	0.38J	ug/kg	10.3	0.37	1	08/07/15 13:38	08/08/15 20:16	83-32-9	
Acenaphthylene	<0.35	ug/kg	10.3	0.35	1	08/07/15 13:38	08/08/15 20:16	208-96-8	
Anthracene	0.76J	ug/kg	10.3	0.32	1	08/07/15 13:38	08/08/15 20:16	120-12-7	
Benzo(a)anthracene	2.6J	ug/kg	10.3	0.19	1	08/07/15 13:38	08/08/15 20:16	56-55-3	
Benzo(a)pyrene	2.6J	ug/kg	10.3	0.20	1	08/07/15 13:38	08/08/15 20:16	50-32-8	
Benzo(b)fluoranthene	4.5J	ug/kg	10.3	0.36	1	08/07/15 13:38	08/08/15 20:16	205-99-2	
Benzo(g,h,i)perylene	2.7J	ug/kg	10.3	0.37	1	08/07/15 13:38	08/08/15 20:16	191-24-2	
Benzo(k)fluoranthene	1.7J	ug/kg	10.3	0.41	1	08/07/15 13:38	08/08/15 20:16	207-08-9	
Chrysene	4.1J	ug/kg	10.3	0.25	1	08/07/15 13:38	08/08/15 20:16	218-01-9	
Dibenz(a,h)anthracene	0.58J	ug/kg	10.3	0.44	1	08/07/15 13:38	08/08/15 20:16	53-70-3	
Fluoranthene	5.4J	ug/kg	10.3	0.23	1	08/07/15 13:38	08/08/15 20:16	206-44-0	
Fluorene	0.65J	ug/kg	10.3	0.32	1	08/07/15 13:38	08/08/15 20:16	86-73-7	
Indeno(1,2,3-cd)pyrene	1.9J	ug/kg	10.3	0.40	1	08/07/15 13:38	08/08/15 20:16	193-39-5	
Naphthalene	0.67J	ug/kg	10.3	0.38	1	08/07/15 13:38	08/08/15 20:16	91-20-3	
Phenanthrene	3.4J	ug/kg	10.3	0.26	1	08/07/15 13:38	08/08/15 20:16	85-01-8	
Pyrene	4.7J	ug/kg	10.3	0.25	1	08/07/15 13:38	08/08/15 20:16	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	66	%	55-125		1	08/07/15 13:38	08/08/15 20:16	321-60-8	
p-Terphenyl-d14 (S)	71	%	30-150		1	08/07/15 13:38	08/08/15 20:16	1718-51-0	
8260B MSV 5030 Med Level Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B									
Acetone	<257	ug/kg	1150	257	1	08/13/15 09:10	08/14/15 19:45	67-64-1	
Allyl chloride	<14.0	ug/kg	229	14.0	1	08/13/15 09:10	08/14/15 19:45	107-05-1	
Benzene	<8.0	ug/kg	22.9	8.0	1	08/13/15 09:10	08/14/15 19:45	71-43-2	
Bromobenzene	<13.9	ug/kg	57.4	13.9	1	08/13/15 09:10	08/14/15 19:45	108-86-1	
Bromochloromethane	<11.0	ug/kg	57.4	11.0	1	08/13/15 09:10	08/14/15 19:45	74-97-5	
Bromodichloromethane	<10.2	ug/kg	57.4	10.2	1	08/13/15 09:10	08/14/15 19:45	75-27-4	
Bromoform	<13.7	ug/kg	229	13.7	1	08/13/15 09:10	08/14/15 19:45	75-25-2	
Bromomethane	<101	ug/kg	574	101	1	08/13/15 09:10	08/14/15 19:45	74-83-9	
2-Butanone (MEK)	<95.2	ug/kg	287	95.2	1	08/13/15 09:10	08/14/15 19:45	78-93-3	
n-Butylbenzene	<10.8	ug/kg	57.4	10.8	1	08/13/15 09:10	08/14/15 19:45	104-51-8	
sec-Butylbenzene	<11.7	ug/kg	57.4	11.7	1	08/13/15 09:10	08/14/15 19:45	135-98-8	
tert-Butylbenzene	<15.4	ug/kg	57.4	15.4	1	08/13/15 09:10	08/14/15 19:45	98-06-6	
Carbon tetrachloride	<13.9	ug/kg	57.4	13.9	1	08/13/15 09:10	08/14/15 19:45	56-23-5	
Chlorobenzene	<9.3	ug/kg	57.4	9.3	1	08/13/15 09:10	08/14/15 19:45	108-90-7	
Chloroethane	<27.4	ug/kg	574	27.4	1	08/13/15 09:10	08/14/15 19:45	75-00-3	
Chloroform	<9.6	ug/kg	57.4	9.6	1	08/13/15 09:10	08/14/15 19:45	67-66-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: IE/Fagerlin
Pace Project No.: 10317272

Sample: HA-1 Lab ID: 10317272007 Collected: 08/06/15 12:25 Received: 08/06/15 18:40 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
8260B MSV 5030 Med Level		Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B							
Chloromethane	<11.6	ug/kg	229	11.6	1	08/13/15 09:10	08/14/15 19:45	74-87-3	
2-Chlorotoluene	<11.8	ug/kg	57.4	11.8	1	08/13/15 09:10	08/14/15 19:45	95-49-8	
4-Chlorotoluene	<10.8	ug/kg	57.4	10.8	1	08/13/15 09:10	08/14/15 19:45	106-43-4	
1,2-Dibromo-3-chloropropane	<44.4	ug/kg	574	44.4	1	08/13/15 09:10	08/14/15 19:45	96-12-8	
Dibromochloromethane	<8.9	ug/kg	57.4	8.9	1	08/13/15 09:10	08/14/15 19:45	124-48-1	
1,2-Dibromoethane (EDB)	<9.2	ug/kg	57.4	9.2	1	08/13/15 09:10	08/14/15 19:45	106-93-4	
Dibromomethane	<13.5	ug/kg	57.4	13.5	1	08/13/15 09:10	08/14/15 19:45	74-95-3	
1,2-Dichlorobenzene	<13.9	ug/kg	57.4	13.9	1	08/13/15 09:10	08/14/15 19:45	95-50-1	
1,3-Dichlorobenzene	<14.0	ug/kg	57.4	14.0	1	08/13/15 09:10	08/14/15 19:45	541-73-1	
1,4-Dichlorobenzene	<12.2	ug/kg	57.4	12.2	1	08/13/15 09:10	08/14/15 19:45	106-46-7	
Dichlorodifluoromethane	<14.1	ug/kg	229	14.1	1	08/13/15 09:10	08/14/15 19:45	75-71-8	
1,1-Dichloroethane	<11.0	ug/kg	57.4	11.0	1	08/13/15 09:10	08/14/15 19:45	75-34-3	
1,2-Dichloroethane	<12.9	ug/kg	57.4	12.9	1	08/13/15 09:10	08/14/15 19:45	107-06-2	
1,1-Dichloroethene	<13.1	ug/kg	57.4	13.1	1	08/13/15 09:10	08/14/15 19:45	75-35-4	
cis-1,2-Dichloroethene	<20.4	ug/kg	57.4	20.4	1	08/13/15 09:10	08/14/15 19:45	156-59-2	
trans-1,2-Dichloroethene	<9.4	ug/kg	57.4	9.4	1	08/13/15 09:10	08/14/15 19:45	156-60-5	
Dichlorofluoromethane	<53.9	ug/kg	574	53.9	1	08/13/15 09:10	08/14/15 19:45	75-43-4	
1,2-Dichloropropane	<11.7	ug/kg	57.4	11.7	1	08/13/15 09:10	08/14/15 19:45	78-87-5	
1,3-Dichloropropane	<9.0	ug/kg	57.4	9.0	1	08/13/15 09:10	08/14/15 19:45	142-28-9	
2,2-Dichloropropane	<23.2	ug/kg	229	23.2	1	08/13/15 09:10	08/14/15 19:45	594-20-7	
1,1-Dichloropropene	<11.5	ug/kg	57.4	11.5	1	08/13/15 09:10	08/14/15 19:45	563-58-6	
cis-1,3-Dichloropropene	<6.0	ug/kg	57.4	6.0	1	08/13/15 09:10	08/14/15 19:45	10061-01-5	
trans-1,3-Dichloropropene	<22.3	ug/kg	57.4	22.3	1	08/13/15 09:10	08/14/15 19:45	10061-02-6	
Diethyl ether (Ethyl ether)	<18.7	ug/kg	229	18.7	1	08/13/15 09:10	08/14/15 19:45	60-29-7	
Ethylbenzene	<8.6	ug/kg	57.4	8.6	1	08/13/15 09:10	08/14/15 19:45	100-41-4	
Hexachloro-1,3-butadiene	<24.4	ug/kg	287	24.4	1	08/13/15 09:10	08/14/15 19:45	87-68-3	
Isopropylbenzene (Cumene)	<10.4	ug/kg	57.4	10.4	1	08/13/15 09:10	08/14/15 19:45	98-82-8	
p-Isopropyltoluene	<10.0	ug/kg	57.4	10.0	1	08/13/15 09:10	08/14/15 19:45	99-87-6	
Methylene Chloride	<17.1	ug/kg	229	17.1	1	08/13/15 09:10	08/14/15 19:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	<73.0	ug/kg	287	73.0	1	08/13/15 09:10	08/14/15 19:45	108-10-1	
Methyl-tert-butyl ether	<10.8	ug/kg	57.4	10.8	1	08/13/15 09:10	08/14/15 19:45	1634-04-4	
Naphthalene	<82.7	ug/kg	229	82.7	1	08/13/15 09:10	08/14/15 19:45	91-20-3	
n-Propylbenzene	<12.3	ug/kg	57.4	12.3	1	08/13/15 09:10	08/14/15 19:45	103-65-1	
Styrene	<9.1	ug/kg	57.4	9.1	1	08/13/15 09:10	08/14/15 19:45	100-42-5	
1,1,1,2-Tetrachloroethane	<11.0	ug/kg	57.4	11.0	1	08/13/15 09:10	08/14/15 19:45	630-20-6	
1,1,2,2-Tetrachloroethane	<11.0	ug/kg	57.4	11.0	1	08/13/15 09:10	08/14/15 19:45	79-34-5	
Tetrachloroethene	<11.8	ug/kg	57.4	11.8	1	08/13/15 09:10	08/14/15 19:45	127-18-4	
Tetrahydrofuran	<90.8	ug/kg	2290	90.8	1	08/13/15 09:10	08/14/15 19:45	109-99-9	
Toluene	<11.0	ug/kg	57.4	11.0	1	08/13/15 09:10	08/14/15 19:45	108-88-3	
1,2,3-Trichlorobenzene	<22.3	ug/kg	57.4	22.3	1	08/13/15 09:10	08/14/15 19:45	87-61-6	
1,2,4-Trichlorobenzene	<10.4	ug/kg	57.4	10.4	1	08/13/15 09:10	08/14/15 19:45	120-82-1	
1,1,1-Trichloroethane	<11.2	ug/kg	57.4	11.2	1	08/13/15 09:10	08/14/15 19:45	71-55-6	
1,1,2-Trichloroethane	<15.7	ug/kg	57.4	15.7	1	08/13/15 09:10	08/14/15 19:45	79-00-5	
Trichloroethene	<13.9	ug/kg	57.4	13.9	1	08/13/15 09:10	08/14/15 19:45	79-01-6	
Trichlorofluoromethane	<39.7	ug/kg	229	39.7	1	08/13/15 09:10	08/14/15 19:45	75-69-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: IE/Fagerlin
Pace Project No.: 10317272

Sample: HA-1 Lab ID: 10317272007 Collected: 08/06/15 12:25 Received: 08/06/15 18:40 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
8260B MSV 5030 Med Level		Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B							
1,2,3-Trichloropropane	<15.8	ug/kg	229	15.8	1	08/13/15 09:10	08/14/15 19:45	96-18-4	
1,1,2-Trichlorotrifluoroethane	<13.5	ug/kg	229	13.5	1	08/13/15 09:10	08/14/15 19:45	76-13-1	
1,2,4-Trimethylbenzene	<11.5	ug/kg	57.4	11.5	1	08/13/15 09:10	08/14/15 19:45	95-63-6	
1,3,5-Trimethylbenzene	<11.1	ug/kg	57.4	11.1	1	08/13/15 09:10	08/14/15 19:45	108-67-8	
Vinyl chloride	<10.3	ug/kg	22.9	10.3	1	08/13/15 09:10	08/14/15 19:45	75-01-4	
Xylene (Total)	<34.3	ug/kg	172	34.3	1	08/13/15 09:10	08/14/15 19:45	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	111	%	55-150		1	08/13/15 09:10	08/14/15 19:45	17060-07-0	
Toluene-d8 (S)	104	%	61-125		1	08/13/15 09:10	08/14/15 19:45	2037-26-5	
4-Bromofluorobenzene (S)	101	%	54-131		1	08/13/15 09:10	08/14/15 19:45	460-00-4	

Sample: Trip Blank (HCl) Lab ID: 10317272008 Collected: 08/06/15 00:00 Received: 08/06/15 18:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC		Analytical Method: EPA 8260B							
Acetone	<7.1	ug/L	20.0	7.1	1		08/09/15 21:08	67-64-1	L3
Allyl chloride	<0.58	ug/L	4.0	0.58	1		08/09/15 21:08	107-05-1	
Benzene	<0.21	ug/L	1.0	0.21	1		08/09/15 21:08	71-43-2	
Bromobenzene	<0.25	ug/L	1.0	0.25	1		08/09/15 21:08	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/09/15 21:08	74-97-5	
Bromodichloromethane	<0.18	ug/L	1.0	0.18	1		08/09/15 21:08	75-27-4	
Bromoform	<0.41	ug/L	4.0	0.41	1		08/09/15 21:08	75-25-2	CL,L2
Bromomethane	<0.36	ug/L	4.0	0.36	1		08/09/15 21:08	74-83-9	L3
2-Butanone (MEK)	<2.5	ug/L	5.0	2.5	1		08/09/15 21:08	78-93-3	
n-Butylbenzene	<0.083	ug/L	1.0	0.083	1		08/09/15 21:08	104-51-8	
sec-Butylbenzene	<0.16	ug/L	1.0	0.16	1		08/09/15 21:08	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/09/15 21:08	98-06-6	
Carbon tetrachloride	<0.35	ug/L	1.0	0.35	1		08/09/15 21:08	56-23-5	
Chlorobenzene	<0.23	ug/L	1.0	0.23	1		08/09/15 21:08	108-90-7	
Chloroethane	<0.34	ug/L	1.0	0.34	1		08/09/15 21:08	75-00-3	
Chloroform	<0.27	ug/L	1.0	0.27	1		08/09/15 21:08	67-66-3	
Chloromethane	<0.64	ug/L	4.0	0.64	1		08/09/15 21:08	74-87-3	
2-Chlorotoluene	<0.22	ug/L	1.0	0.22	1		08/09/15 21:08	95-49-8	
4-Chlorotoluene	<0.24	ug/L	1.0	0.24	1		08/09/15 21:08	106-43-4	
1,2-Dibromo-3-chloropropane	<0.70	ug/L	4.0	0.70	1		08/09/15 21:08	96-12-8	
Dibromochloromethane	<0.16	ug/L	1.0	0.16	1		08/09/15 21:08	124-48-1	
1,2-Dibromoethane (EDB)	<0.23	ug/L	1.0	0.23	1		08/09/15 21:08	106-93-4	
Dibromomethane	<0.31	ug/L	4.0	0.31	1		08/09/15 21:08	74-95-3	
1,2-Dichlorobenzene	<0.22	ug/L	1.0	0.22	1		08/09/15 21:08	95-50-1	
1,3-Dichlorobenzene	<0.21	ug/L	1.0	0.21	1		08/09/15 21:08	541-73-1	
1,4-Dichlorobenzene	<0.16	ug/L	1.0	0.16	1		08/09/15 21:08	106-46-7	
Dichlorodifluoromethane	<0.49	ug/L	1.0	0.49	1		08/09/15 21:08	75-71-8	

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ANALYTICAL RESULTS

Project: IE/Fagerlin
Pace Project No.: 10317272

Sample: Trip Blank (HCl) Lab ID: 10317272008 Collected: 08/06/15 00:00 Received: 08/06/15 18:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC Analytical Method: EPA 8260B									
1,1-Dichloroethane	<0.22	ug/L	1.0	0.22	1		08/09/15 21:08	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/09/15 21:08	107-06-2	
1,1-Dichloroethene	<0.22	ug/L	1.0	0.22	1		08/09/15 21:08	75-35-4	
cis-1,2-Dichloroethene	<0.25	ug/L	1.0	0.25	1		08/09/15 21:08	156-59-2	
trans-1,2-Dichloroethene	<0.21	ug/L	1.0	0.21	1		08/09/15 21:08	156-60-5	
Dichlorofluoromethane	<0.22	ug/L	1.0	0.22	1		08/09/15 21:08	75-43-4	
1,2-Dichloropropane	<0.42	ug/L	4.0	0.42	1		08/09/15 21:08	78-87-5	
1,3-Dichloropropane	<0.24	ug/L	1.0	0.24	1		08/09/15 21:08	142-28-9	
2,2-Dichloropropane	<0.36	ug/L	4.0	0.36	1		08/09/15 21:08	594-20-7	
1,1-Dichloropropene	<0.16	ug/L	1.0	0.16	1		08/09/15 21:08	563-58-6	
cis-1,3-Dichloropropene	<0.21	ug/L	4.0	0.21	1		08/09/15 21:08	10061-01-5	
trans-1,3-Dichloropropene	<0.22	ug/L	4.0	0.22	1		08/09/15 21:08	10061-02-6	
Diethyl ether (Ethyl ether)	<0.38	ug/L	4.0	0.38	1		08/09/15 21:08	60-29-7	
Ethylbenzene	<0.23	ug/L	1.0	0.23	1		08/09/15 21:08	100-41-4	
Hexachloro-1,3-butadiene	<0.48	ug/L	1.0	0.48	1		08/09/15 21:08	87-68-3	
Isopropylbenzene (Cumene)	<0.17	ug/L	1.0	0.17	1		08/09/15 21:08	98-82-8	
p-Isopropyltoluene	<0.16	ug/L	1.0	0.16	1		08/09/15 21:08	99-87-6	
Methylene Chloride	<0.56	ug/L	4.0	0.56	1		08/09/15 21:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	<2.4	ug/L	5.0	2.4	1		08/09/15 21:08	108-10-1	
Methyl-tert-butyl ether	<0.20	ug/L	1.0	0.20	1		08/09/15 21:08	1634-04-4	
Naphthalene	<0.14	ug/L	4.0	0.14	1		08/09/15 21:08	91-20-3	
n-Propylbenzene	<0.21	ug/L	1.0	0.21	1		08/09/15 21:08	103-65-1	
Styrene	<0.11	ug/L	1.0	0.11	1		08/09/15 21:08	100-42-5	
1,1,1,2-Tetrachloroethane	<0.20	ug/L	1.0	0.20	1		08/09/15 21:08	630-20-6	
1,1,2,2-Tetrachloroethane	<0.22	ug/L	1.0	0.22	1		08/09/15 21:08	79-34-5	
Tetrachloroethene	<0.19	ug/L	1.0	0.19	1		08/09/15 21:08	127-18-4	
Tetrahydrofuran	<4.0	ug/L	10.0	4.0	1		08/09/15 21:08	109-99-9	
Toluene	<0.13	ug/L	1.0	0.13	1		08/09/15 21:08	108-88-3	
1,2,3-Trichlorobenzene	<0.23	ug/L	1.0	0.23	1		08/09/15 21:08	87-61-6	
1,2,4-Trichlorobenzene	<0.22	ug/L	1.0	0.22	1		08/09/15 21:08	120-82-1	
1,1,1-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/09/15 21:08	71-55-6	
1,1,2-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/09/15 21:08	79-00-5	
Trichloroethene	<0.14	ug/L	0.40	0.14	1		08/09/15 21:08	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/09/15 21:08	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	4.0	0.50	1		08/09/15 21:08	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.42	ug/L	1.0	0.42	1		08/09/15 21:08	76-13-1	
1,2,4-Trimethylbenzene	<0.16	ug/L	1.0	0.16	1		08/09/15 21:08	95-63-6	
1,3,5-Trimethylbenzene	<0.20	ug/L	1.0	0.20	1		08/09/15 21:08	108-67-8	
Vinyl chloride	<0.15	ug/L	0.40	0.15	1		08/09/15 21:08	75-01-4	
Xylene (Total)	<0.60	ug/L	3.0	0.60	1		08/09/15 21:08	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	98	%	75-125		1		08/09/15 21:08	17060-07-0	
Toluene-d8 (S)	99	%	75-125		1		08/09/15 21:08	2037-26-5	
4-Bromofluorobenzene (S)	101	%	75-125		1		08/09/15 21:08	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: IE/Fagerlin
Pace Project No.: 10317272

QC Batch: GCV/14232 Analysis Method: WI MOD GRO
QC Batch Method: EPA 5030 Medium Soil Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 10317272001, 10317272002, 10317272003, 10317272004, 10317272005, 10317272007

METHOD BLANK: 2048431 Matrix: Solid
Associated Lab Samples: 10317272001, 10317272002, 10317272003, 10317272004, 10317272005, 10317272007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	<2.0	10.0	08/12/15 19:37	
a,a,a-Trifluorotoluene (S)	%	133	80-150	08/12/15 19:37	

LABORATORY CONTROL SAMPLE & LCSD: 2048432

Parameter	Units	2048433		LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result						
Gasoline Range Organics	mg/kg	50	40.3	81	80	80-120	1	20	CH
a,a,a-Trifluorotoluene (S)	%			138	137	80-150			

MATRIX SPIKE SAMPLE: 2048434

Parameter	Units	10317272001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	3.2J	66	60.1	86	80-120	
a,a,a-Trifluorotoluene (S)	%				116	80-150	

SAMPLE DUPLICATE: 2048435

Parameter	Units	10317272002 Result	Dup Result	RPD	Max RPD	Qualifiers
Gasoline Range Organics	mg/kg	<2.4	<2.5		20	
a,a,a-Trifluorotoluene (S)	%	131	133	3		

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QUALITY CONTROL DATA

Project: IE/Fagerlin
Pace Project No.: 10317272

QC Batch: GCV/14231 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 10317272006

METHOD BLANK: 2048425 Matrix: Water
Associated Lab Samples: 10317272006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	ug/L	<18.0	100	08/12/15 11:15	
a,a,a-Trifluorotoluene (S)	%	89	80-150	08/12/15 11:15	

LABORATORY CONTROL SAMPLE & LCSD: 2048426 2048427

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	ug/L	1000	1030	1040	103	104	80-120	0	20	
a,a,a-Trifluorotoluene (S)	%				91	99	80-150			

MATRIX SPIKE SAMPLE: 2049684

Parameter	Units	1251346002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	ug/L	ND	1000	1010	101	80-120	
a,a,a-Trifluorotoluene (S)	%				98	80-150	

SAMPLE DUPLICATE: 2049685

Parameter	Units	1251346003 Result	Dup Result	RPD	Max RPD	Qualifiers
Gasoline Range Organics	ug/L	ND	<18.0		20	
a,a,a-Trifluorotoluene (S)	%	89	88	1		

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QUALITY CONTROL DATA

Project: IE/Fagerlin
Pace Project No.: 10317272

QC Batch: MSV/32741 Analysis Method: EPA 8260B
QC Batch Method: EPA 5035/5030B Analysis Description: 8260B MSV 5030 Med Level
Associated Lab Samples: 10317272001, 10317272002, 10317272003, 10317272004, 10317272005, 10317272007

METHOD BLANK: 2049119 Matrix: Solid
Associated Lab Samples: 10317272001, 10317272002, 10317272003, 10317272004, 10317272005, 10317272007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<9.6	50.0	08/13/15 19:37	
1,1,1-Trichloroethane	ug/kg	<9.7	50.0	08/13/15 19:37	
1,1,2,2-Tetrachloroethane	ug/kg	<9.6	50.0	08/13/15 19:37	
1,1,2-Trichloroethane	ug/kg	<13.7	50.0	08/13/15 19:37	
1,1,2-Trichlorotrifluoroethane	ug/kg	<11.8	200	08/13/15 19:37	
1,1-Dichloroethane	ug/kg	<9.6	50.0	08/13/15 19:37	
1,1-Dichloroethene	ug/kg	<11.4	50.0	08/13/15 19:37	
1,1-Dichloropropene	ug/kg	<10.0	50.0	08/13/15 19:37	
1,2,3-Trichlorobenzene	ug/kg	<19.4	50.0	08/13/15 19:37	
1,2,3-Trichloropropane	ug/kg	<13.8	200	08/13/15 19:37	
1,2,4-Trichlorobenzene	ug/kg	<9.1	50.0	08/13/15 19:37	
1,2,4-Trimethylbenzene	ug/kg	<10.0	50.0	08/13/15 19:37	
1,2-Dibromo-3-chloropropane	ug/kg	<38.7	500	08/13/15 19:37	
1,2-Dibromoethane (EDB)	ug/kg	<8.0	50.0	08/13/15 19:37	
1,2-Dichlorobenzene	ug/kg	<12.1	50.0	08/13/15 19:37	
1,2-Dichloroethane	ug/kg	<11.2	50.0	08/13/15 19:37	
1,2-Dichloropropane	ug/kg	<10.2	50.0	08/13/15 19:37	
1,3,5-Trimethylbenzene	ug/kg	<9.7	50.0	08/13/15 19:37	
1,3-Dichlorobenzene	ug/kg	<12.2	50.0	08/13/15 19:37	
1,3-Dichloropropane	ug/kg	<7.8	50.0	08/13/15 19:37	
1,4-Dichlorobenzene	ug/kg	<10.6	50.0	08/13/15 19:37	
2,2-Dichloropropane	ug/kg	<20.2	200	08/13/15 19:37	
2-Butanone (MEK)	ug/kg	<83.0	250	08/13/15 19:37	
2-Chlorotoluene	ug/kg	<10.3	50.0	08/13/15 19:37	
4-Chlorotoluene	ug/kg	<9.4	50.0	08/13/15 19:37	
4-Methyl-2-pentanone (MIBK)	ug/kg	<63.6	250	08/13/15 19:37	
Acetone	ug/kg	<224	1000	08/13/15 19:37	
Allyl chloride	ug/kg	<12.2	200	08/13/15 19:37	
Benzene	ug/kg	<7.0	20.0	08/13/15 19:37	
Bromobenzene	ug/kg	<12.1	50.0	08/13/15 19:37	
Bromochloromethane	ug/kg	<9.6	50.0	08/13/15 19:37	
Bromodichloromethane	ug/kg	<8.9	50.0	08/13/15 19:37	
Bromoform	ug/kg	<11.9	200	08/13/15 19:37	
Bromomethane	ug/kg	<87.8	500	08/13/15 19:37	
Carbon tetrachloride	ug/kg	<12.1	50.0	08/13/15 19:37	
Chlorobenzene	ug/kg	<8.1	50.0	08/13/15 19:37	
Chloroethane	ug/kg	<23.9	500	08/13/15 19:37	
Chloroform	ug/kg	<8.4	50.0	08/13/15 19:37	
Chloromethane	ug/kg	<10.1	200	08/13/15 19:37	
cis-1,2-Dichloroethene	ug/kg	<17.8	50.0	08/13/15 19:37	
cis-1,3-Dichloropropene	ug/kg	<5.2	50.0	08/13/15 19:37	

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QUALITY CONTROL DATA

Project: IE/Fagerlin
Pace Project No.: 10317272

METHOD BLANK: 2049119 Matrix: Solid
Associated Lab Samples: 10317272001, 10317272002, 10317272003, 10317272004, 10317272005, 10317272007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/kg	<7.7	50.0	08/13/15 19:37	
Dibromomethane	ug/kg	<11.8	50.0	08/13/15 19:37	
Dichlorodifluoromethane	ug/kg	<12.3	200	08/13/15 19:37	
Dichlorofluoromethane	ug/kg	<47.0	500	08/13/15 19:37	
Diethyl ether (Ethyl ether)	ug/kg	<16.3	200	08/13/15 19:37	
Ethylbenzene	ug/kg	<7.5	50.0	08/13/15 19:37	
Hexachloro-1,3-butadiene	ug/kg	<21.3	250	08/13/15 19:37	
Isopropylbenzene (Cumene)	ug/kg	<9.1	50.0	08/13/15 19:37	
Methyl-tert-butyl ether	ug/kg	<9.4	50.0	08/13/15 19:37	
Methylene Chloride	ug/kg	18.5J	200	08/13/15 19:37	
n-Butylbenzene	ug/kg	<9.4	50.0	08/13/15 19:37	
n-Propylbenzene	ug/kg	<10.7	50.0	08/13/15 19:37	
Naphthalene	ug/kg	<72.1	200	08/13/15 19:37	
p-Isopropyltoluene	ug/kg	<8.7	50.0	08/13/15 19:37	
sec-Butylbenzene	ug/kg	<10.2	50.0	08/13/15 19:37	
Styrene	ug/kg	<7.9	50.0	08/13/15 19:37	
tert-Butylbenzene	ug/kg	<13.4	50.0	08/13/15 19:37	
Tetrachloroethene	ug/kg	<10.3	50.0	08/13/15 19:37	
Tetrahydrofuran	ug/kg	<79.1	2000	08/13/15 19:37	
Toluene	ug/kg	<9.6	50.0	08/13/15 19:37	
trans-1,2-Dichloroethene	ug/kg	<8.2	50.0	08/13/15 19:37	
trans-1,3-Dichloropropene	ug/kg	<19.4	50.0	08/13/15 19:37	
Trichloroethene	ug/kg	<12.1	50.0	08/13/15 19:37	
Trichlorofluoromethane	ug/kg	<34.6	200	08/13/15 19:37	
Vinyl chloride	ug/kg	<9.0	20.0	08/13/15 19:37	
Xylene (Total)	ug/kg	<29.9	150	08/13/15 19:37	
1,2-Dichloroethane-d4 (S)	%	83	55-150	08/13/15 19:37	
4-Bromofluorobenzene (S)	%	97	54-131	08/13/15 19:37	
Toluene-d8 (S)	%	105	61-125	08/13/15 19:37	

LABORATORY CONTROL SAMPLE: 2049120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	1000	1110	111	75-125	
1,1,1-Trichloroethane	ug/kg	1000	1030	103	66-125	
1,1,2,2-Tetrachloroethane	ug/kg	1000	1120	112	69-125	
1,1,2-Trichloroethane	ug/kg	1000	1100	110	75-125	
1,1,2-Trichlorotrifluoroethane	ug/kg	1000	1120	112	55-125	
1,1-Dichloroethane	ug/kg	1000	997	100	67-125	
1,1-Dichloroethene	ug/kg	1000	1000	100	62-125	
1,1-Dichloropropene	ug/kg	1000	980	98	65-125	
1,2,3-Trichlorobenzene	ug/kg	1000	919	92	58-132	
1,2,3-Trichloropropane	ug/kg	1000	1040	104	71-125	
1,2,4-Trichlorobenzene	ug/kg	1000	939	94	63-128	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: IE/Fagerlin
Pace Project No.: 10317272

LABORATORY CONTROL SAMPLE: 2049120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	1080	108	74-125	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2090	84	55-142	
1,2-Dibromoethane (EDB)	ug/kg	1000	1080	108	75-125	
1,2-Dichlorobenzene	ug/kg	1000	1080	108	75-125	
1,2-Dichloroethane	ug/kg	1000	1030	103	71-125	
1,2-Dichloropropane	ug/kg	1000	1100	110	74-125	
1,3,5-Trimethylbenzene	ug/kg	1000	1130	113	72-125	
1,3-Dichlorobenzene	ug/kg	1000	1120	112	75-125	
1,3-Dichloropropane	ug/kg	1000	1130	113	75-125	
1,4-Dichlorobenzene	ug/kg	1000	1100	110	75-125	
2,2-Dichloropropane	ug/kg	1000	922	92	45-125	
2-Butanone (MEK)	ug/kg	5000	3550	71	39-136	
2-Chlorotoluene	ug/kg	1000	1170	117	73-125	
4-Chlorotoluene	ug/kg	1000	1170	117	74-125	
4-Methyl-2-pentanone (MIBK)	ug/kg	5000	5540	111	55-132	
Acetone	ug/kg	5000	5950	119	55-131	
Allyl chloride	ug/kg	1000	980	98	53-125	
Benzene	ug/kg	1000	1040	104	69-125	
Bromobenzene	ug/kg	1000	1080	108	75-125	
Bromochloromethane	ug/kg	1000	951	95	75-125	
Bromodichloromethane	ug/kg	1000	1090	109	75-125	
Bromoform	ug/kg	1000	939	94	71-125	
Bromomethane	ug/kg	1000	854	85	42-150	SS
Carbon tetrachloride	ug/kg	1000	940	94	62-125	
Chlorobenzene	ug/kg	1000	1160	116	75-125	
Chloroethane	ug/kg	1000	924	92	41-150	
Chloroform	ug/kg	1000	1040	104	72-125	
Chloromethane	ug/kg	1000	846	85	50-125	
cis-1,2-Dichloroethene	ug/kg	1000	957	96	73-125	
cis-1,3-Dichloropropene	ug/kg	1000	1070	107	74-125	
Dibromochloromethane	ug/kg	1000	1090	109	75-125	
Dibromomethane	ug/kg	1000	1090	109	75-125	
Dichlorodifluoromethane	ug/kg	1000	893	89	30-125	
Dichlorofluoromethane	ug/kg	1000	994	99	30-150	
Diethyl ether (Ethyl ether)	ug/kg	1000	951	95	58-125	
Ethylbenzene	ug/kg	1000	1190	119	72-125	
Hexachloro-1,3-butadiene	ug/kg	1000	1080	108	59-138	
Isopropylbenzene (Cumene)	ug/kg	1000	1080	108	72-125	
Methyl-tert-butyl ether	ug/kg	1000	935	93	72-125	
Methylene Chloride	ug/kg	1000	822	82	71-125	
n-Butylbenzene	ug/kg	1000	987	99	65-125	
n-Propylbenzene	ug/kg	1000	1140	114	71-125	
Naphthalene	ug/kg	1000	820	82	55-139	
p-Isopropyltoluene	ug/kg	1000	1020	102	69-125	
sec-Butylbenzene	ug/kg	1000	1170	117	68-125	
Styrene	ug/kg	1000	1100	110	75-125	
tert-Butylbenzene	ug/kg	1000	1130	113	70-125	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: IE/Fagerlin
Pace Project No.: 10317272

LABORATORY CONTROL SAMPLE: 2049120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/kg	1000	1190	119	69-125	
Tetrahydrofuran	ug/kg	10000	12100	121	62-129	
Toluene	ug/kg	1000	1190	119	72-125	
trans-1,2-Dichloroethene	ug/kg	1000	986	99	68-125	
trans-1,3-Dichloropropene	ug/kg	1000	1060	106	74-125	
Trichloroethene	ug/kg	1000	1080	108	72-125	
Trichlorofluoromethane	ug/kg	1000	1040	104	30-150	
Vinyl chloride	ug/kg	1000	918	92	53-125	
Xylene (Total)	ug/kg	3000	3390	113	74-125	
1,2-Dichloroethane-d4 (S)	%			85	55-150	
4-Bromofluorobenzene (S)	%			95	54-131	
Toluene-d8 (S)	%			104	61-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2049121 2049122

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		10317639007 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1,2-Tetrachloroethane	ug/kg	ND	1740	1560	1970	1640	114	105	62-150	18	30	
1,1,1-Trichloroethane	ug/kg	ND	1740	1560	1910	1470	110	94	58-150	26	30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	1740	1560	2260	1720	130	111	30-150	27	30	
1,1,2-Trichloroethane	ug/kg	ND	1740	1560	2190	1700	127	109	61-149	25	30	
1,1,2-Trichlorotrifluoroethane	ug/kg	ND	1740	1560	2140	1670	124	107	45-150	24	30	
1,1-Dichloroethane	ug/kg	ND	1740	1560	1860	1420	108	91	56-150	27	30	
1,1-Dichloroethene	ug/kg	ND	1740	1560	1900	1500	110	96	48-150	24	30	
1,1-Dichloropropene	ug/kg	ND	1740	1560	1850	1440	107	92	58-150	25	30	
1,2,3-Trichlorobenzene	ug/kg	ND	1740	1560	2390	1790	138	115	55-150	29	30	
1,2,3-Trichloropropane	ug/kg	ND	1740	1560	2060	1640	119	105	57-148	23	30	
1,2,4-Trichlorobenzene	ug/kg	ND	1740	1560	2140	1790	123	115	61-150	17	30	
1,2,4-Trimethylbenzene	ug/kg	ND	1740	1560	2130	1760	120	110	64-150	19	30	
1,2-Dibromo-3-chloropropane	ug/kg	ND	4330	3890	4910	3640	113	93	40-150	30	30	
1,2-Dibromoethane (EDB)	ug/kg	ND	1740	1560	2070	1610	120	104	62-147	25	30	
1,2-Dichlorobenzene	ug/kg	ND	1740	1560	2040	1610	117	104	73-133	23	30	
1,2-Dichloroethane	ug/kg	ND	1740	1560	1980	1440	114	93	63-132	31	30	R1
1,2-Dichloropropane	ug/kg	ND	1740	1560	2100	1690	121	109	69-127	22	30	
1,3,5-Trimethylbenzene	ug/kg	ND	1740	1560	2170	1740	125	111	63-137	22	30	
1,3-Dichlorobenzene	ug/kg	ND	1740	1560	2130	1680	123	108	69-133	24	30	
1,3-Dichloropropane	ug/kg	ND	1740	1560	2210	1700	128	109	70-130	26	30	
1,4-Dichlorobenzene	ug/kg	ND	1740	1560	2100	1660	120	105	69-130	23	30	
2,2-Dichloropropane	ug/kg	ND	1740	1560	1740	1310	100	84	54-135	28	30	
2-Butanone (MEK)	ug/kg	ND	8670	7780	8820	6280	102	81	49-145	34	30	R1
2-Chlorotoluene	ug/kg	ND	1740	1560	2130	1750	123	112	68-129	20	30	
4-Chlorotoluene	ug/kg	ND	1740	1560	2090	1660	121	107	67-134	23	30	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	8670	7780	11400	8710	132	112	60-150	27	30	
Acetone	ug/kg	ND	8670	7780	10300	8420	119	108	65-135	20	30	

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QUALITY CONTROL DATA

Project: IE/Fagerlin
Pace Project No.: 10317272

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2049121 2049122												
Parameter	Units	10317639007	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits			
Allyl chloride	ug/kg	ND	1740	1560	1870	1470	108	94	55-126	24	30	
Benzene	ug/kg	ND	1740	1560	2050	1540	118	99	63-126	28	30	
Bromobenzene	ug/kg	ND	1740	1560	2010	1630	116	105	68-133	21	30	
Bromochloromethane	ug/kg	ND	1740	1560	1790	1320	103	85	66-130	30	30	
Bromodichloromethane	ug/kg	ND	1740	1560	2030	1520	117	97	68-129	29	30	
Bromoform	ug/kg	ND	1740	1560	1850	1400	107	90	63-135	28	30	
Bromomethane	ug/kg	ND	1740	1560	1540	1240	89	79	30-150	22	30	SS
Carbon tetrachloride	ug/kg	ND	1740	1560	1750	1380	101	89	56-140	24	30	
Chlorobenzene	ug/kg	ND	1740	1560	2140	1750	123	112	69-130	20	30	
Chloroethane	ug/kg	ND	1740	1560	1800	1240	104	80	46-150	37	30	R1
Chloroform	ug/kg	ND	1740	1560	1920	1450	111	93	70-127	28	30	
Chloromethane	ug/kg	ND	1740	1560	1550	1090	89	70	51-125	35	30	R1
cis-1,2-Dichloroethene	ug/kg	ND	1740	1560	1750	1360	101	87	68-125	25	30	
cis-1,3-Dichloropropene	ug/kg	ND	1740	1560	1980	1540	114	99	67-126	25	30	
Dibromochloromethane	ug/kg	ND	1740	1560	2030	1630	117	105	66-135	22	30	
Dibromomethane	ug/kg	ND	1740	1560	2010	1580	116	101	68-132	24	30	
Dichlorodifluoromethane	ug/kg	ND	1740	1560	1370	945	79	61	30-138	36	30	R1
Dichlorofluoromethane	ug/kg	ND	1740	1560	1880	1320	108	85	30-150	35	30	R1
Diethyl ether (Ethyl ether)	ug/kg	ND	1740	1560	1870	1470	108	94	56-135	24	30	
Ethylbenzene	ug/kg	ND	1740	1560	2150	1760	124	113	69-126	20	30	
Hexachloro-1,3-butadiene	ug/kg	ND	1740	1560	2490	2190	144	141	50-150	13	30	
Isopropylbenzene (Cumene)	ug/kg	ND	1740	1560	1980	1650	114	106	65-135	18	30	
Methyl-tert-butyl ether	ug/kg	ND	1740	1560	1980	1430	114	92	66-129	32	30	R1
Methylene Chloride	ug/kg	ND	1740	1560	1510	1260	87	81	64-125	19	30	
n-Butylbenzene	ug/kg	ND	1740	1560	2100	1700	121	109	62-141	21	30	
n-Propylbenzene	ug/kg	ND	1740	1560	2070	1700	120	109	65-135	20	30	
Naphthalene	ug/kg	ND	1740	1560	2430	1900	132	113	62-150	25	30	
p-Isopropyltoluene	ug/kg	ND	1740	1560	1980	1720	114	111	62-139	14	30	
sec-Butylbenzene	ug/kg	ND	1740	1560	2270	1870	131	120	64-137	19	30	
Styrene	ug/kg	ND	1740	1560	2060	1620	119	104	70-132	24	30	
tert-Butylbenzene	ug/kg	ND	1740	1560	2180	1830	126	117	65-136	18	30	
Tetrachloroethene	ug/kg	ND	1740	1560	2120	1770	123	114	61-142	18	30	
Tetrahydrofuran	ug/kg	ND	17400	15600	20400	16500	118	106	68-138	21	30	
Toluene	ug/kg	1110	1740	1560	3010	2480	109	88	66-128	19	30	
trans-1,2-Dichloroethene	ug/kg	ND	1740	1560	1900	1430	110	92	63-129	28	30	
trans-1,3-Dichloropropene	ug/kg	ND	1740	1560	2010	1610	116	103	67-132	22	30	
Trichloroethene	ug/kg	ND	1740	1560	2120	1710	122	110	52-150	22	30	
Trichlorofluoromethane	ug/kg	ND	1740	1560	1860	1300	108	84	39-150	35	30	R1
Vinyl chloride	ug/kg	ND	1740	1560	1640	1130	94	72	50-125	37	30	R1
Xylene (Total)	ug/kg	ND	5190	4670	6480	5190	121	107	70-130	22	30	
1,2-Dichloroethane-d4 (S)	%						88	85	55-150			
4-Bromofluorobenzene (S)	%						102	99	54-131			
Toluene-d8 (S)	%						105	105	61-125			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: IE/Fagerlin
Pace Project No.: 10317272

QC Batch: MSV/32684 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV 465 W
Associated Lab Samples: 10317272006, 10317272008

METHOD BLANK: 2046086 Matrix: Water
Associated Lab Samples: 10317272006, 10317272008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.20	1.0	08/09/15 20:39	
1,1,1-Trichloroethane	ug/L	<0.20	1.0	08/09/15 20:39	
1,1,2,2-Tetrachloroethane	ug/L	<0.22	1.0	08/09/15 20:39	
1,1,2-Trichloroethane	ug/L	<0.24	1.0	08/09/15 20:39	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.42	1.0	08/09/15 20:39	
1,1-Dichloroethane	ug/L	<0.22	1.0	08/09/15 20:39	
1,1-Dichloroethene	ug/L	<0.22	1.0	08/09/15 20:39	
1,1-Dichloropropene	ug/L	<0.16	1.0	08/09/15 20:39	
1,2,3-Trichlorobenzene	ug/L	<0.23	1.0	08/09/15 20:39	
1,2,3-Trichloropropane	ug/L	<0.50	4.0	08/09/15 20:39	
1,2,4-Trichlorobenzene	ug/L	<0.22	1.0	08/09/15 20:39	
1,2,4-Trimethylbenzene	ug/L	<0.16	1.0	08/09/15 20:39	
1,2-Dibromo-3-chloropropane	ug/L	<0.70	4.0	08/09/15 20:39	
1,2-Dibromoethane (EDB)	ug/L	<0.23	1.0	08/09/15 20:39	
1,2-Dichlorobenzene	ug/L	<0.22	1.0	08/09/15 20:39	
1,2-Dichloroethane	ug/L	<0.17	1.0	08/09/15 20:39	
1,2-Dichloropropane	ug/L	<0.42	4.0	08/09/15 20:39	
1,3,5-Trimethylbenzene	ug/L	<0.20	1.0	08/09/15 20:39	
1,3-Dichlorobenzene	ug/L	<0.21	1.0	08/09/15 20:39	
1,3-Dichloropropane	ug/L	<0.24	1.0	08/09/15 20:39	
1,4-Dichlorobenzene	ug/L	<0.16	1.0	08/09/15 20:39	
2,2-Dichloropropane	ug/L	<0.36	4.0	08/09/15 20:39	
2-Butanone (MEK)	ug/L	<2.5	5.0	08/09/15 20:39	
2-Chlorotoluene	ug/L	<0.22	1.0	08/09/15 20:39	
4-Chlorotoluene	ug/L	<0.24	1.0	08/09/15 20:39	
4-Methyl-2-pentanone (MIBK)	ug/L	<2.4	5.0	08/09/15 20:39	
Acetone	ug/L	<7.1	20.0	08/09/15 20:39	
Allyl chloride	ug/L	<0.58	4.0	08/09/15 20:39	
Benzene	ug/L	<0.21	1.0	08/09/15 20:39	
Bromobenzene	ug/L	<0.25	1.0	08/09/15 20:39	
Bromochloromethane	ug/L	<0.34	1.0	08/09/15 20:39	
Bromodichloromethane	ug/L	<0.18	1.0	08/09/15 20:39	
Bromoform	ug/L	<0.41	4.0	08/09/15 20:39	CL
Bromomethane	ug/L	<0.36	4.0	08/09/15 20:39	
Carbon tetrachloride	ug/L	<0.35	1.0	08/09/15 20:39	
Chlorobenzene	ug/L	<0.23	1.0	08/09/15 20:39	
Chloroethane	ug/L	<0.34	1.0	08/09/15 20:39	
Chloroform	ug/L	<0.27	1.0	08/09/15 20:39	
Chloromethane	ug/L	<0.64	4.0	08/09/15 20:39	
cis-1,2-Dichloroethene	ug/L	<0.25	1.0	08/09/15 20:39	
cis-1,3-Dichloropropene	ug/L	<0.21	4.0	08/09/15 20:39	

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QUALITY CONTROL DATA

Project: IE/Fagerlin
Pace Project No.: 10317272

METHOD BLANK: 2046086 Matrix: Water
Associated Lab Samples: 10317272006, 10317272008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	<0.16	1.0	08/09/15 20:39	
Dibromomethane	ug/L	<0.31	4.0	08/09/15 20:39	
Dichlorodifluoromethane	ug/L	<0.49	1.0	08/09/15 20:39	
Dichlorofluoromethane	ug/L	<0.22	1.0	08/09/15 20:39	
Diethyl ether (Ethyl ether)	ug/L	<0.38	4.0	08/09/15 20:39	
Ethylbenzene	ug/L	<0.23	1.0	08/09/15 20:39	
Hexachloro-1,3-butadiene	ug/L	<0.48	1.0	08/09/15 20:39	
Isopropylbenzene (Cumene)	ug/L	<0.17	1.0	08/09/15 20:39	
Methyl-tert-butyl ether	ug/L	<0.20	1.0	08/09/15 20:39	
Methylene Chloride	ug/L	<0.56	4.0	08/09/15 20:39	
n-Butylbenzene	ug/L	<0.083	1.0	08/09/15 20:39	
n-Propylbenzene	ug/L	<0.21	1.0	08/09/15 20:39	
Naphthalene	ug/L	0.28J	4.0	08/09/15 20:39	
p-Isopropyltoluene	ug/L	<0.16	1.0	08/09/15 20:39	
sec-Butylbenzene	ug/L	<0.16	1.0	08/09/15 20:39	
Styrene	ug/L	<0.11	1.0	08/09/15 20:39	
tert-Butylbenzene	ug/L	<0.18	1.0	08/09/15 20:39	
Tetrachloroethene	ug/L	<0.19	1.0	08/09/15 20:39	
Tetrahydrofuran	ug/L	<4.0	10.0	08/09/15 20:39	
Toluene	ug/L	<0.13	1.0	08/09/15 20:39	
trans-1,2-Dichloroethene	ug/L	<0.21	1.0	08/09/15 20:39	
trans-1,3-Dichloropropene	ug/L	<0.22	4.0	08/09/15 20:39	
Trichloroethene	ug/L	<0.14	0.40	08/09/15 20:39	
Trichlorofluoromethane	ug/L	<0.18	1.0	08/09/15 20:39	
Vinyl chloride	ug/L	<0.15	0.40	08/09/15 20:39	
Xylene (Total)	ug/L	<0.60	3.0	08/09/15 20:39	
1,2-Dichloroethane-d4 (S)	%	96	75-125	08/09/15 20:39	
4-Bromofluorobenzene (S)	%	103	75-125	08/09/15 20:39	
Toluene-d8 (S)	%	98	75-125	08/09/15 20:39	

LABORATORY CONTROL SAMPLE: 2046087

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.8	104	75-125	
1,1,1-Trichloroethane	ug/L	20	21.1	106	75-125	
1,1,2,2-Tetrachloroethane	ug/L	20	22.3	111	75-125	
1,1,2-Trichloroethane	ug/L	20	21.5	107	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	21.2	106	60-135	
1,1-Dichloroethane	ug/L	20	22.3	111	69-125	
1,1-Dichloroethene	ug/L	20	22.1	110	68-125	
1,1-Dichloropropene	ug/L	20	24.2	121	74-125	
1,2,3-Trichlorobenzene	ug/L	20	18.9	94	69-136	
1,2,3-Trichloropropane	ug/L	20	21.9	109	75-125	
1,2,4-Trichlorobenzene	ug/L	20	20.1	100	73-127	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: IE/Fagerlin
Pace Project No.: 10317272

LABORATORY CONTROL SAMPLE: 2046087

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	22.8	114	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	43.5	87	65-145	
1,2-Dibromoethane (EDB)	ug/L	20	21.4	107	75-125	
1,2-Dichlorobenzene	ug/L	20	21.6	108	75-125	
1,2-Dichloroethane	ug/L	20	20.8	104	73-125	
1,2-Dichloropropane	ug/L	20	22.5	112	75-125	
1,3,5-Trimethylbenzene	ug/L	20	22.4	112	75-125	
1,3-Dichlorobenzene	ug/L	20	22.1	111	74-125	
1,3-Dichloropropane	ug/L	20	21.7	109	75-125	
1,4-Dichlorobenzene	ug/L	20	20.9	104	75-125	
2,2-Dichloropropane	ug/L	20	20.6	103	59-139	
2-Butanone (MEK)	ug/L	100	113	113	63-130	
2-Chlorotoluene	ug/L	20	22.2	111	72-125	
4-Chlorotoluene	ug/L	20	21.4	107	73-125	
4-Methyl-2-pentanone (MIBK)	ug/L	100	118	118	71-126	
Acetone	ug/L	100	140	140	69-131	CH,L0
Allyl chloride	ug/L	20	22.6	113	67-125	
Benzene	ug/L	20	20.9	105	71-125	
Bromobenzene	ug/L	20	22.5	112	75-125	
Bromochloromethane	ug/L	20	23.1	115	75-125	
Bromodichloromethane	ug/L	20	19.4	97	75-125	
Bromoform	ug/L	20	11.4	57	70-125	CL,L0
Bromomethane	ug/L	20	38.4	192	30-150	CH,L0,SS
Carbon tetrachloride	ug/L	20	21.9	109	75-126	
Chlorobenzene	ug/L	20	21.9	109	75-125	
Chloroethane	ug/L	20	21.4	107	65-134	
Chloroform	ug/L	20	20.6	103	75-125	
Chloromethane	ug/L	20	25.1	126	39-150	
cis-1,2-Dichloroethene	ug/L	20	23.0	115	72-125	
cis-1,3-Dichloropropene	ug/L	20	19.0	95	75-125	
Dibromochloromethane	ug/L	20	16.6	83	75-125	
Dibromomethane	ug/L	20	20.3	101	75-125	
Dichlorodifluoromethane	ug/L	20	22.0	110	50-134	
Dichlorofluoromethane	ug/L	20	22.6	113	69-125	
Diethyl ether (Ethyl ether)	ug/L	20	22.4	112	72-125	
Ethylbenzene	ug/L	20	21.3	107	75-125	
Hexachloro-1,3-butadiene	ug/L	20	21.1	105	70-138	
Isopropylbenzene (Cumene)	ug/L	20	22.8	114	75-125	
Methyl-tert-butyl ether	ug/L	20	18.1	90	73-125	
Methylene Chloride	ug/L	20	24.7	123	73-125	
n-Butylbenzene	ug/L	20	22.1	111	72-133	
n-Propylbenzene	ug/L	20	23.4	117	72-126	
Naphthalene	ug/L	20	18.7	93	70-127	
p-Isopropyltoluene	ug/L	20	21.6	108	72-132	
sec-Butylbenzene	ug/L	20	24.0	120	73-132	
Styrene	ug/L	20	22.6	113	75-125	
tert-Butylbenzene	ug/L	20	22.2	111	73-128	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: IE/Fagerlin
Pace Project No.: 10317272

LABORATORY CONTROL SAMPLE: 2046087

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	20	22.4	112	74-125	
Tetrahydrofuran	ug/L	200	215	108	62-133	
Toluene	ug/L	20	21.8	109	74-125	
trans-1,2-Dichloroethene	ug/L	20	22.9	114	69-125	
trans-1,3-Dichloropropene	ug/L	20	18.7	94	75-125	
Trichloroethene	ug/L	20	20.7	104	75-125	
Trichlorofluoromethane	ug/L	20	21.8	109	74-127	
Vinyl chloride	ug/L	20	22.8	114	66-132	
Xylene (Total)	ug/L	60	64.2	107	75-125	
1,2-Dichloroethane-d4 (S)	%			101	75-125	
4-Bromofluorobenzene (S)	%			102	75-125	
Toluene-d8 (S)	%			102	75-125	

MATRIX SPIKE SAMPLE: 2046764

Parameter	Units	10317451006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	17.9	89	70-138	
1,1,1-Trichloroethane	ug/L	ND	20	20.4	102	55-150	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	19.4	97	64-140	
1,1,2-Trichloroethane	ug/L	ND	20	19.1	96	67-137	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	20.5	102	51-150	
1,1-Dichloroethane	ug/L	ND	20	21.1	105	49-150	
1,1-Dichloroethene	ug/L	ND	20	22.9	115	40-150	
1,1-Dichloropropene	ug/L	ND	20	24.0	120	50-150	
1,2,3-Trichlorobenzene	ug/L	ND	20	20.2	101	59-148	
1,2,3-Trichloropropane	ug/L	ND	20	19.0	95	65-141	
1,2,4-Trichlorobenzene	ug/L	ND	20	20.0	100	61-140	
1,2,4-Trimethylbenzene	ug/L	ND	20	20.8	104	58-141	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	37.1	74	53-150	
1,2-Dibromoethane (EDB)	ug/L	ND	20	18.5	93	65-137	
1,2-Dichlorobenzene	ug/L	ND	20	20.1	101	66-133	
1,2-Dichloroethane	ug/L	ND	20	19.0	95	54-138	
1,2-Dichloropropane	ug/L	ND	20	21.2	106	62-138	
1,3,5-Trimethylbenzene	ug/L	ND	20	20.7	103	58-140	
1,3-Dichlorobenzene	ug/L	ND	20	21.0	105	66-132	
1,3-Dichloropropane	ug/L	ND	20	19.3	96	66-134	
1,4-Dichlorobenzene	ug/L	ND	20	19.7	98	65-129	
2,2-Dichloropropane	ug/L	ND	20	15.1	76	40-150	
2-Butanone (MEK)	ug/L	ND	100	92.4	92	51-147	
2-Chlorotoluene	ug/L	ND	20	20.2	101	58-147	
4-Chlorotoluene	ug/L	ND	20	20.0	100	64-138	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	93.7	94	59-143	
Acetone	ug/L	ND	100	143	143	63-147	CH
Allyl chloride	ug/L	ND	20	19.7	98	45-150	
Benzene	ug/L	ND	20	20.1	101	53-139	

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QUALITY CONTROL DATA

Project: IE/Fagerlin
Pace Project No.: 10317272

MATRIX SPIKE SAMPLE: 2046764		10317451006	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Bromobenzene	ug/L	ND	20	20.5	103	66-136	
Bromochloromethane	ug/L	ND	20	21.4	107	64-136	
Bromodichloromethane	ug/L	ND	20	17.2	86	66-138	
Bromoform	ug/L	ND	20	8.0	40	59-136	CL,M0
Bromomethane	ug/L	ND	20	39.7	198	30-150	CH,M0,SS
Carbon tetrachloride	ug/L	ND	20	20.3	102	56-150	
Chlorobenzene	ug/L	ND	20	20.4	102	65-133	
Chloroethane	ug/L	ND	20	19.7	98	48-150	
Chloroform	ug/L	2.1	20	22.1	100	57-145	
Chloromethane	ug/L	ND	20	23.9	119	30-150	
cis-1,2-Dichloroethene	ug/L	ND	20	21.9	109	49-150	
cis-1,3-Dichloropropene	ug/L	ND	20	16.4	82	64-130	
Dibromochloromethane	ug/L	ND	20	12.8	64	68-138	M1
Dibromomethane	ug/L	ND	20	19.0	95	67-134	
Dichlorodifluoromethane	ug/L	ND	20	20.0	100	45-150	
Dichlorofluoromethane	ug/L	ND	20	21.4	107	54-150	
Diethyl ether (Ethyl ether)	ug/L	ND	20	19.7	98	50-145	
Ethylbenzene	ug/L	ND	20	19.9	100	55-139	
Hexachloro-1,3-butadiene	ug/L	ND	20	22.1	111	49-150	
Isopropylbenzene (Cumene)	ug/L	ND	20	21.7	108	64-142	
Methyl-tert-butyl ether	ug/L	ND	20	12.8	64	62-129	
Methylene Chloride	ug/L	ND	20	21.7	109	57-132	
n-Butylbenzene	ug/L	ND	20	22.2	111	55-150	
n-Propylbenzene	ug/L	ND	20	22.2	111	59-142	
Naphthalene	ug/L	ND	20	19.2	96	51-150	
p-Isopropyltoluene	ug/L	ND	20	21.0	105	60-149	
sec-Butylbenzene	ug/L	ND	20	23.4	117	60-150	
Styrene	ug/L	ND	20	18.7	94	68-134	
tert-Butylbenzene	ug/L	ND	20	21.5	108	62-146	
Tetrachloroethene	ug/L	ND	20	22.0	108	50-150	
Tetrahydrofuran	ug/L	ND	200	238	119	59-145	
Toluene	ug/L	ND	20	20.2	101	52-148	
trans-1,2-Dichloroethene	ug/L	ND	20	21.1	105	45-150	
trans-1,3-Dichloropropene	ug/L	ND	20	14.6	73	68-132	
Trichloroethene	ug/L	ND	20	20.1	100	52-150	
Trichlorofluoromethane	ug/L	ND	20	21.8	109	55-150	
Vinyl chloride	ug/L	ND	20	22.3	111	43-150	
Xylene (Total)	ug/L	ND	60	59.8	100	54-144	
1,2-Dichloroethane-d4 (S)	%				101	75-125	
4-Bromofluorobenzene (S)	%				103	75-125	
Toluene-d8 (S)	%				100	75-125	

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QUALITY CONTROL DATA

Project: IE/Fagerlin
Pace Project No.: 10317272

SAMPLE DUPLICATE: 2046765

Parameter	Units	10317451007 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	<0.20		30	
1,1,1-Trichloroethane	ug/L	ND	<0.20		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	<0.22		30	
1,1,2-Trichloroethane	ug/L	ND	<0.24		30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	<0.42		30	
1,1-Dichloroethane	ug/L	ND	<0.22		30	
1,1-Dichloroethene	ug/L	ND	<0.22		30	
1,1-Dichloropropene	ug/L	ND	<0.16		30	
1,2,3-Trichlorobenzene	ug/L	ND	<0.23		30	
1,2,3-Trichloropropane	ug/L	ND	<0.50		30	
1,2,4-Trichlorobenzene	ug/L	ND	<0.22		30	
1,2,4-Trimethylbenzene	ug/L	ND	<0.16		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	<0.70		30	
1,2-Dibromoethane (EDB)	ug/L	ND	<0.23		30	
1,2-Dichlorobenzene	ug/L	ND	<0.22		30	
1,2-Dichloroethane	ug/L	ND	<0.17		30	
1,2-Dichloropropane	ug/L	ND	<0.42		30	
1,3,5-Trimethylbenzene	ug/L	ND	<0.20		30	
1,3-Dichlorobenzene	ug/L	ND	<0.21		30	
1,3-Dichloropropane	ug/L	ND	<0.24		30	
1,4-Dichlorobenzene	ug/L	ND	<0.16		30	
2,2-Dichloropropane	ug/L	ND	<0.36		30	
2-Butanone (MEK)	ug/L	ND	<2.5		30	
2-Chlorotoluene	ug/L	ND	<0.22		30	
4-Chlorotoluene	ug/L	ND	<0.24		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	<2.4		30	
Acetone	ug/L	ND	<7.1		30	
Allyl chloride	ug/L	ND	<0.58		30	
Benzene	ug/L	ND	<0.21		30	
Bromobenzene	ug/L	ND	<0.25		30	
Bromochloromethane	ug/L	ND	<0.34		30	
Bromodichloromethane	ug/L	ND	<0.18		30	
Bromoform	ug/L	ND	<0.41		30	CL
Bromomethane	ug/L	ND	<0.36		30	
Carbon tetrachloride	ug/L	ND	<0.35		30	
Chlorobenzene	ug/L	ND	<0.23		30	
Chloroethane	ug/L	ND	<0.34		30	
Chloroform	ug/L	2.4	2.3	5	30	
Chloromethane	ug/L	ND	<0.64		30	
cis-1,2-Dichloroethene	ug/L	ND	<0.25		30	
cis-1,3-Dichloropropene	ug/L	ND	<0.21		30	
Dibromochloromethane	ug/L	ND	<0.16		30	
Dibromomethane	ug/L	ND	<0.31		30	
Dichlorodifluoromethane	ug/L	ND	<0.49		30	
Dichlorofluoromethane	ug/L	ND	<0.22		30	
Diethyl ether (Ethyl ether)	ug/L	ND	<0.38		30	
Ethylbenzene	ug/L	ND	<0.23		30	

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QUALITY CONTROL DATA

Project: IE/Fagerlin
Pace Project No.: 10317272

SAMPLE DUPLICATE: 2046765

Parameter	Units	10317451007 Result	Dup Result	RPD	Max RPD	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	<0.48		30	
Isopropylbenzene (Cumene)	ug/L	ND	<0.17		30	
Methyl-tert-butyl ether	ug/L	ND	<0.20		30	
Methylene Chloride	ug/L	ND	<0.56		30	
n-Butylbenzene	ug/L	ND	<0.083		30	
n-Propylbenzene	ug/L	ND	<0.21		30	
Naphthalene	ug/L	ND	<0.14		30	
p-Isopropyltoluene	ug/L	ND	<0.16		30	
sec-Butylbenzene	ug/L	ND	<0.16		30	
Styrene	ug/L	ND	<0.11		30	
tert-Butylbenzene	ug/L	ND	<0.18		30	
Tetrachloroethene	ug/L	ND	0.20J		30	
Tetrahydrofuran	ug/L	ND	<4.0		30	
Toluene	ug/L	ND	<0.13		30	
trans-1,2-Dichloroethene	ug/L	ND	<0.21		30	
trans-1,3-Dichloropropene	ug/L	ND	<0.22		30	
Trichloroethene	ug/L	ND	0.16J		30	
Trichlorofluoromethane	ug/L	ND	<0.18		30	
Vinyl chloride	ug/L	ND	<0.15		30	
Xylene (Total)	ug/L	ND	<0.60		30	
1,2-Dichloroethane-d4 (S)	%.	98	95	3		
4-Bromofluorobenzene (S)	%.	99	101	2		
Toluene-d8 (S)	%.	99	100	1		

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QUALITY CONTROL DATA

Project: IE/Fagerlin
Pace Project No.: 10317272

QC Batch: OEXT/30321 Analysis Method: EPA 8270D by SIM
QC Batch Method: EPA 3550 Analysis Description: 8270D Solid PAH by SIM MSSV
Associated Lab Samples: 10317272001, 10317272002, 10317272003, 10317272004, 10317272005, 10317272007

METHOD BLANK: 2044582 Matrix: Solid
Associated Lab Samples: 10317272001, 10317272002, 10317272003, 10317272004, 10317272005, 10317272007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/kg	<0.36	10.0	08/08/15 15:38	
Acenaphthylene	ug/kg	<0.34	10.0	08/08/15 15:38	
Anthracene	ug/kg	<0.31	10.0	08/08/15 15:38	
Benzo(a)anthracene	ug/kg	<0.18	10.0	08/08/15 15:38	
Benzo(a)pyrene	ug/kg	<0.20	10.0	08/08/15 15:38	
Benzo(b)fluoranthene	ug/kg	<0.35	10.0	08/08/15 15:38	
Benzo(g,h,i)perylene	ug/kg	<0.35	10.0	08/08/15 15:38	
Benzo(k)fluoranthene	ug/kg	<0.40	10.0	08/08/15 15:38	
Chrysene	ug/kg	<0.25	10.0	08/08/15 15:38	
Dibenz(a,h)anthracene	ug/kg	<0.43	10.0	08/08/15 15:38	
Fluoranthene	ug/kg	<0.22	10.0	08/08/15 15:38	
Fluorene	ug/kg	<0.31	10.0	08/08/15 15:38	
Indeno(1,2,3-cd)pyrene	ug/kg	<0.38	10.0	08/08/15 15:38	
Naphthalene	ug/kg	<0.37	10.0	08/08/15 15:38	
Phenanthrene	ug/kg	<0.25	10.0	08/08/15 15:38	
Pyrene	ug/kg	<0.24	10.0	08/08/15 15:38	
2-Fluorobiphenyl (S)	%	59	55-125	08/08/15 15:38	
p-Terphenyl-d14 (S)	%	76	30-150	08/08/15 15:38	

LABORATORY CONTROL SAMPLE: 2044583

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/kg	33.3	22.8	68	53-125	
Acenaphthylene	ug/kg	33.3	22.2	67	53-125	
Anthracene	ug/kg	33.3	26.1	78	61-125	
Benzo(a)anthracene	ug/kg	33.3	28.0	84	62-125	
Benzo(a)pyrene	ug/kg	33.3	27.7	83	64-125	
Benzo(b)fluoranthene	ug/kg	33.3	26.8	80	66-125	
Benzo(g,h,i)perylene	ug/kg	33.3	29.0	87	59-125	
Benzo(k)fluoranthene	ug/kg	33.3	29.4	88	61-125	
Chrysene	ug/kg	33.3	26.8	80	63-125	
Dibenz(a,h)anthracene	ug/kg	33.3	28.0	84	59-125	
Fluoranthene	ug/kg	33.3	27.3	82	64-125	
Fluorene	ug/kg	33.3	24.0	72	57-125	
Indeno(1,2,3-cd)pyrene	ug/kg	33.3	26.1	78	58-125	
Naphthalene	ug/kg	33.3	21.2	63	52-125	
Phenanthrene	ug/kg	33.3	22.9	69	60-125	
Pyrene	ug/kg	33.3	27.5	82	63-125	
2-Fluorobiphenyl (S)	%			59	55-125	
p-Terphenyl-d14 (S)	%			78	30-150	

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QUALITY CONTROL DATA

Project: IE/Fagerlin
Pace Project No.: 10317272

Parameter	Units	2044584		2044585		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Max RPD	Qual
		10317203001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Acenaphthene	ug/kg	ND	37	37.1	26.1	24.5	71	66	39-125	6	30		
Acenaphthylene	ug/kg	ND	37	37.1	25.4	23.9	69	64	30-150	6	30		
Anthracene	ug/kg	ND	37	37.1	30.9	29.5	82	78	30-150	5	30		
Benzo(a)anthracene	ug/kg	ND	37	37.1	35.8	35.5	97	96	30-150	1	30		
Benzo(a)pyrene	ug/kg	ND	37	37.1	36.4	36.2	91	90	30-150	0	30		
Benzo(b)fluoranthene	ug/kg	ND	37	37.1	36.3	35.5	88	86	30-150	2	30		
Benzo(g,h,i)perylene	ug/kg	ND	37	37.1	35.9	35.1	91	89	30-150	2	30		
Benzo(k)fluoranthene	ug/kg	ND	37	37.1	36.2	35.4	94	91	30-150	2	30		
Chrysene	ug/kg	ND	37	37.1	36.1	35.5	90	88	30-150	2	30		
Dibenz(a,h)anthracene	ug/kg	ND	37	37.1	30.5	29.0	81	77	30-150	5	30		
Fluoranthene	ug/kg	ND	37	37.1	41.2	40.0	97	93	30-150	3	30		
Fluorene	ug/kg	ND	37	37.1	26.7	25.6	72	69	30-146	4	30		
Indeno(1,2,3-cd)pyrene	ug/kg	ND	37	37.1	31.6	30.8	81	79	30-150	3	30		
Naphthalene	ug/kg	ND	37	37.1	24.5	22.7	66	61	30-131	8	30		
Phenanthrene	ug/kg	ND	37	37.1	31.7	32.3	78	79	30-150	2	30		
Pyrene	ug/kg	ND	37	37.1	40.2	40.2	96	96	30-150	0	30		
2-Fluorobiphenyl (S)	%.						63	59	55-125				
p-Terphenyl-d14 (S)	%.						76	72	30-150				

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: IE/Fagerlin
Pace Project No.: 10317272

QC Batch: OEXT/30355 Analysis Method: EPA 8270D by SIM
QC Batch Method: EPA 3510 Analysis Description: 8270D PAH by SIM MSSV
Associated Lab Samples: 10317272006

METHOD BLANK: 2048320 Matrix: Water
Associated Lab Samples: 10317272006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	<0.0032	0.040	08/14/15 09:21	
Acenaphthylene	ug/L	<0.0040	0.040	08/14/15 09:21	
Anthracene	ug/L	<0.0044	0.040	08/14/15 09:21	
Benzo(a)anthracene	ug/L	0.0056J	0.040	08/14/15 09:21	
Benzo(a)pyrene	ug/L	<0.0030	0.040	08/14/15 09:21	
Benzo(b)fluoranthene	ug/L	<0.0076	0.040	08/14/15 09:21	
Benzo(g,h,i)perylene	ug/L	<0.0054	0.040	08/14/15 09:21	
Benzo(k)fluoranthene	ug/L	<0.0038	0.040	08/14/15 09:21	
Chrysene	ug/L	<0.0053	0.040	08/14/15 09:21	
Dibenz(a,h)anthracene	ug/L	<0.0096	0.040	08/14/15 09:21	
Fluoranthene	ug/L	<0.0057	0.040	08/14/15 09:21	
Fluorene	ug/L	<0.0056	0.040	08/14/15 09:21	
Indeno(1,2,3-cd)pyrene	ug/L	<0.0056	0.040	08/14/15 09:21	
Naphthalene	ug/L	0.011J	0.040	08/14/15 09:21	
Phenanthrene	ug/L	<0.012	0.040	08/14/15 09:21	
Pyrene	ug/L	<0.0064	0.040	08/14/15 09:21	
2-Fluorobiphenyl (S)	%	78	52-125	08/14/15 09:21	
p-Terphenyl-d14 (S)	%	93	62-125	08/14/15 09:21	

LABORATORY CONTROL SAMPLE & LCSD: 2048321

2048322

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acenaphthene	ug/L	1	0.96	0.93	96	93	44-125	3	20	
Acenaphthylene	ug/L	1	0.95	0.91	95	91	44-125	4	20	
Anthracene	ug/L	1	1.0	0.97	100	97	55-125	3	20	
Benzo(a)anthracene	ug/L	1	1.0	0.98	102	98	56-125	4	20	
Benzo(a)pyrene	ug/L	1	1.0	0.99	101	99	61-125	2	20	
Benzo(b)fluoranthene	ug/L	1	1.0	1.0	103	100	60-125	2	20	
Benzo(g,h,i)perylene	ug/L	1	0.93	0.95	93	95	53-125	1	20	
Benzo(k)fluoranthene	ug/L	1	0.98	0.96	98	96	59-125	2	20	
Chrysene	ug/L	1	0.95	0.93	95	93	61-125	2	20	
Dibenz(a,h)anthracene	ug/L	1	0.82	0.86	82	86	51-125	6	20	
Fluoranthene	ug/L	1	0.98	0.95	98	95	64-125	4	20	
Fluorene	ug/L	1	0.98	0.94	98	94	52-125	4	20	
Indeno(1,2,3-cd)pyrene	ug/L	1	0.89	0.88	89	88	54-125	1	20	
Naphthalene	ug/L	1	0.88	0.84	88	84	35-125	4	20	
Phenanthrene	ug/L	1	0.87	0.85	87	85	55-125	3	20	
Pyrene	ug/L	1	1.0	1.0	101	101	59-125	0	20	
2-Fluorobiphenyl (S)	%				85	82	52-125			
p-Terphenyl-d14 (S)	%				92	90	62-125			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: IE/Fagerlin
Pace Project No.: 10317272

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 and percent moisture.
LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.
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.

BATCH QUALIFIERS

Batch: MSSV/12909

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.
CH The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
CL The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1 RPD value was outside control limits.
SS This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.
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: IE/Fagerlin
Pace Project No.: 10317272

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10317272001	GP-1 (4-6')	EPA 5030 Medium Soil	GCV/14232	WI MOD GRO	GCV/14239
10317272002	GP-2 (4-6')	EPA 5030 Medium Soil	GCV/14232	WI MOD GRO	GCV/14239
10317272003	GP-3 (6-8')	EPA 5030 Medium Soil	GCV/14232	WI MOD GRO	GCV/14239
10317272004	GP-4 (0-2')	EPA 5030 Medium Soil	GCV/14232	WI MOD GRO	GCV/14239
10317272005	GP-5 (8-10')	EPA 5030 Medium Soil	GCV/14232	WI MOD GRO	GCV/14239
10317272007	HA-1	EPA 5030 Medium Soil	GCV/14232	WI MOD GRO	GCV/14239
10317272006	GP-3 (7-12')	WI MOD GRO	GCV/14231		
10317272001	GP-1 (4-6')	ASTM D2974	MPRP/56893		
10317272002	GP-2 (4-6')	ASTM D2974	MPRP/56893		
10317272003	GP-3 (6-8')	ASTM D2974	MPRP/56893		
10317272004	GP-4 (0-2')	ASTM D2974	MPRP/56893		
10317272005	GP-5 (8-10')	ASTM D2974	MPRP/56893		
10317272007	HA-1	ASTM D2974	MPRP/56893		
10317272001	GP-1 (4-6')	EPA 3550	OEXT/30321	EPA 8270D by SIM	MSSV/12870
10317272002	GP-2 (4-6')	EPA 3550	OEXT/30321	EPA 8270D by SIM	MSSV/12870
10317272003	GP-3 (6-8')	EPA 3550	OEXT/30321	EPA 8270D by SIM	MSSV/12870
10317272004	GP-4 (0-2')	EPA 3550	OEXT/30321	EPA 8270D by SIM	MSSV/12870
10317272005	GP-5 (8-10')	EPA 3550	OEXT/30321	EPA 8270D by SIM	MSSV/12870
10317272007	HA-1	EPA 3550	OEXT/30321	EPA 8270D by SIM	MSSV/12870
10317272006	GP-3 (7-12')	EPA 3510	OEXT/30355	EPA 8270D by SIM	MSSV/12909
10317272001	GP-1 (4-6')	EPA 5035/5030B	MSV/32741	EPA 8260B	MSV/32782
10317272002	GP-2 (4-6')	EPA 5035/5030B	MSV/32741	EPA 8260B	MSV/32782
10317272003	GP-3 (6-8')	EPA 5035/5030B	MSV/32741	EPA 8260B	MSV/32782
10317272004	GP-4 (0-2')	EPA 5035/5030B	MSV/32741	EPA 8260B	MSV/32782
10317272005	GP-5 (8-10')	EPA 5035/5030B	MSV/32741	EPA 8260B	MSV/32782
10317272007	HA-1	EPA 5035/5030B	MSV/32741	EPA 8260B	MSV/32782
10317272006	GP-3 (7-12')	EPA 8260B	MSV/32684		
10317272008	Trip Blank (HCl)	EPA 8260B	MSV/32684		

REPORT OF LABORATORY ANALYSIS

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Document Name:
Sample Condition Upon Receipt Form
Document No.:
F-MN-L-213-rev.13

Document Revised: 23Feb2015
Page 1 of 1
Issuing Authority:
Pace Minnesota Quality Office

Sample Condition
Upon Receipt

Client Name: Environmental Troubleshooters Project #: WO# : 10317272

Courier: Fed Ex UPS USPS Client
 Commercial Pace SpeedDee Other: _____
Tracking Number: _____



Custody Seal on Cooler/Box Present? Yes No Seals Intact? Yes No
Packing Material: Bubble Wrap Bubble Bags None Other: _____ Temp Blank? Yes No
Thermometer Used: B88A9130516413 B88A912167504 B88A0143310098 Type of Ice: Wet Blue None Samples on ice, cooling process has begun
Cooler Temp Read (°C): 1.4 Cooler Temp Corrected (°C): 1.4 Biological Tissue Frozen? Yes No N/A
Temp should be above freezing to 6°C Correction Factor: +0.0 Date and Initials of Person Examining Contents: KAC 8/1/15

USDA Regulated Soil (N/A, water sample)
Did samples originate in a quarantine zone within the United States: AL, AR, AZ, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX or WA (check maps)? Yes No
Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No
If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

	COMMENTS:
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.
Sampler Name and/or 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 <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72 hr)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered Volume Received for Dissolved Tests? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container
Sample Labels Match COC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>HCE blank, no MeOH blank</u>
-Includes Date/Time/ID/Analysis Matrix: <u>WT</u>	
All containers needing acid/base preservation have been checked? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
All containers needing preservation are found to be in compliance with EPA recommendation? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Sample #
(HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH >9 Sulfide, NaOH>12 Cyanide) Exception: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14. <u>Sediment: GP?</u>
Trip Blank Present? <input checked="" type="checkbox"/> Yes & <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15. <u>no MeOH blank</u>
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>080315-01</u>	

CLIENT NOTIFICATION/RESOLUTION Date/Time: _____ Field Data Required? Yes No
Person Contacted: _____
Comments/Resolution: per Nicole chg WT DRO to PAH

Project Manager Review: [Signature] Date: 8/7/15

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers).

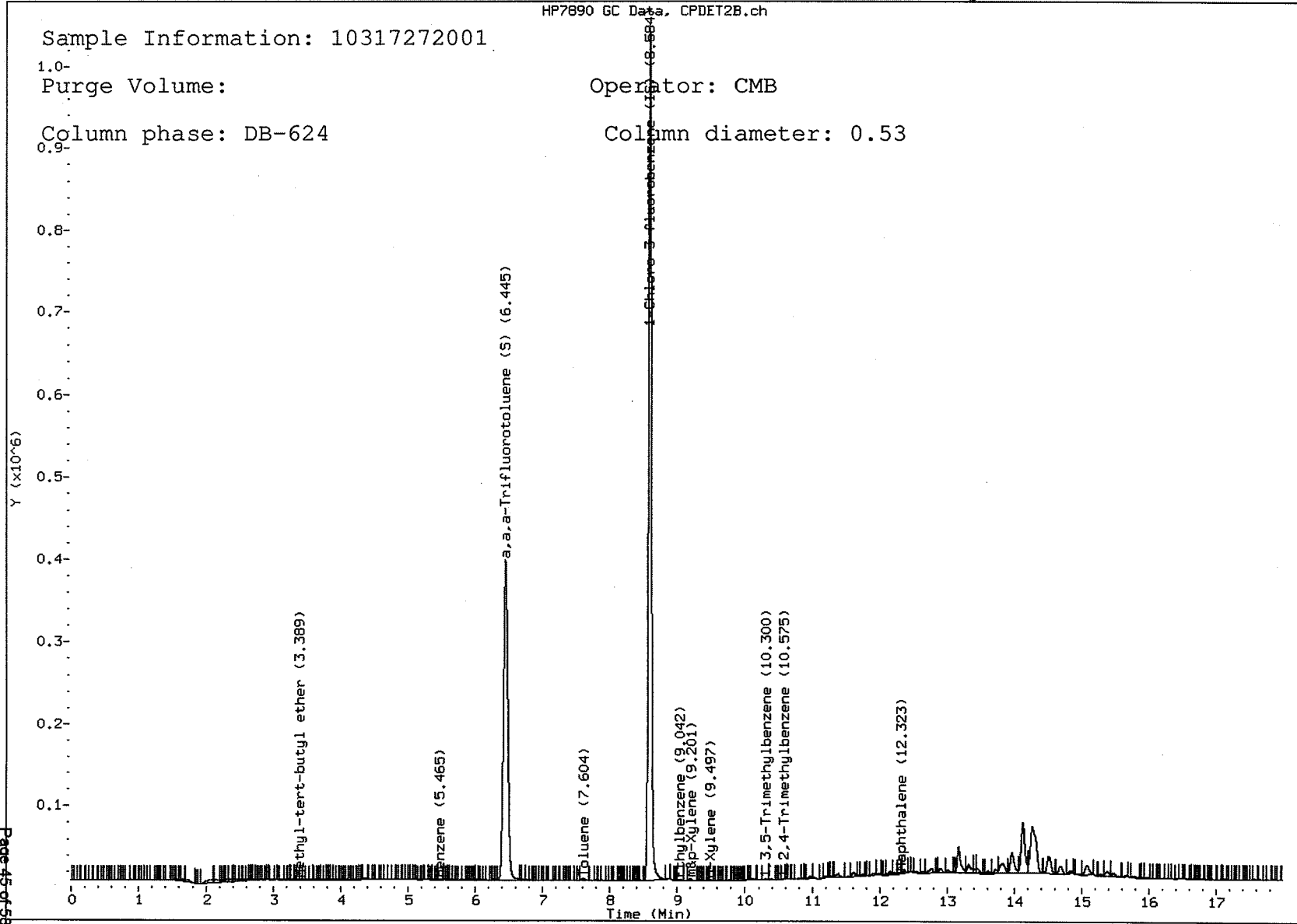
Data File: \\192.168.10.12\chem\10gcv9.i\081215B-1.b\22432.d

Report Date: 08/13/2015

Sample ID: 10317272001

Client ID: GP-1 (4-6')MS

Instrument: 10gcv9.i



Data File: \\192.168.10.12\chem\10gcv9.i\081215B-2.b\22432.d

Report Date: 08/13/2015

Sample ID: 10317272001

Client ID: GP-1 (4-6')MS

Instrument: 10gcv9.i

HP7890 GC Data. FID1A.ch

Sample Information: 10317272001

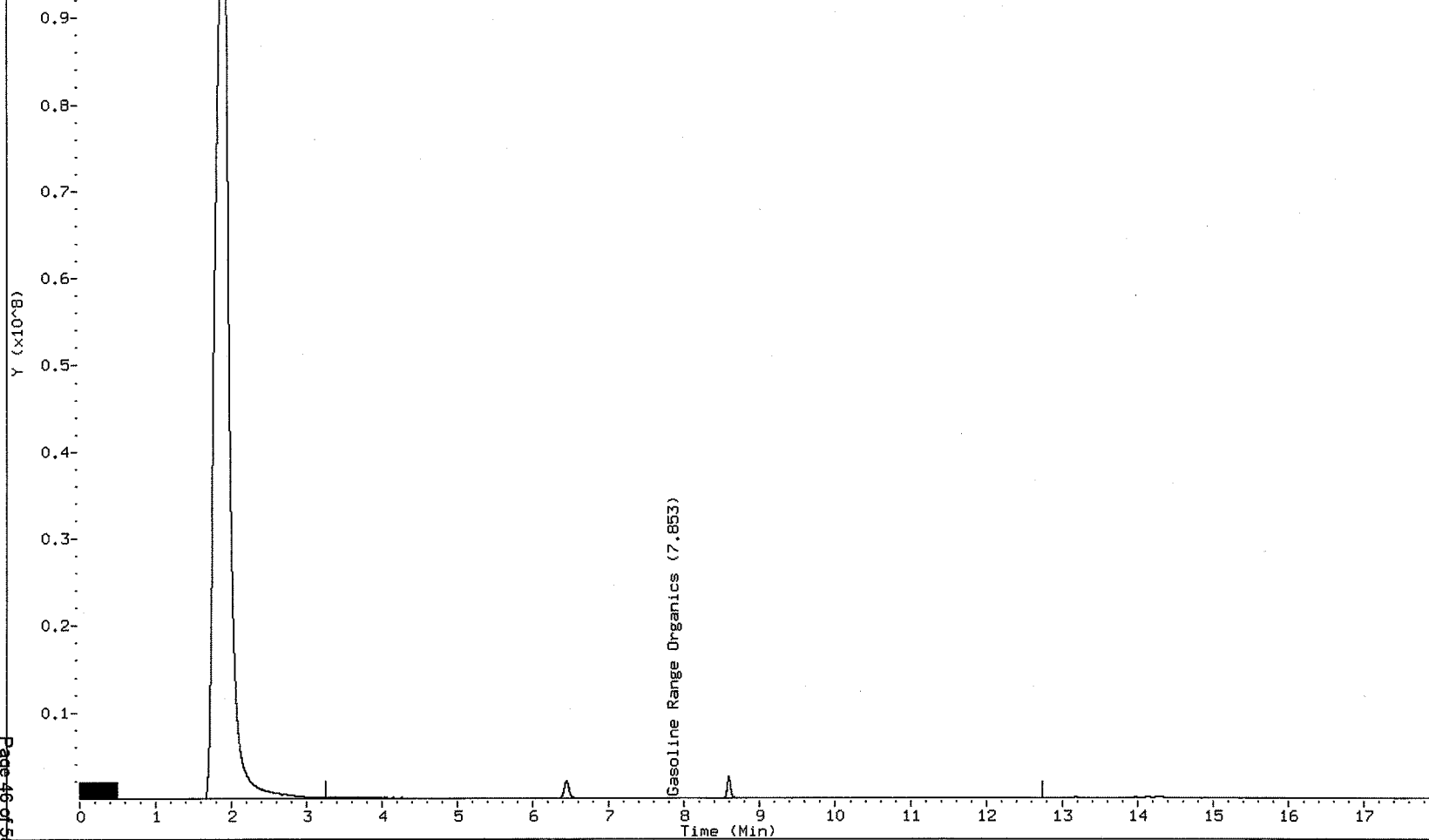
Purge Volume:

Operator: CMB

1.0-

Column phase: DB-624

Column diameter: 0.53



Data File: \\192.168.10.12\chem\10gcv9.i\081215B-1.b\22435.d

Report Date: 08/13/2015

Sample ID: 10317272002

Client ID: GP-2 (4-6')DUP

Instrument: 10gcv9.i

HP7890 GC Data, CPDET2B.ch

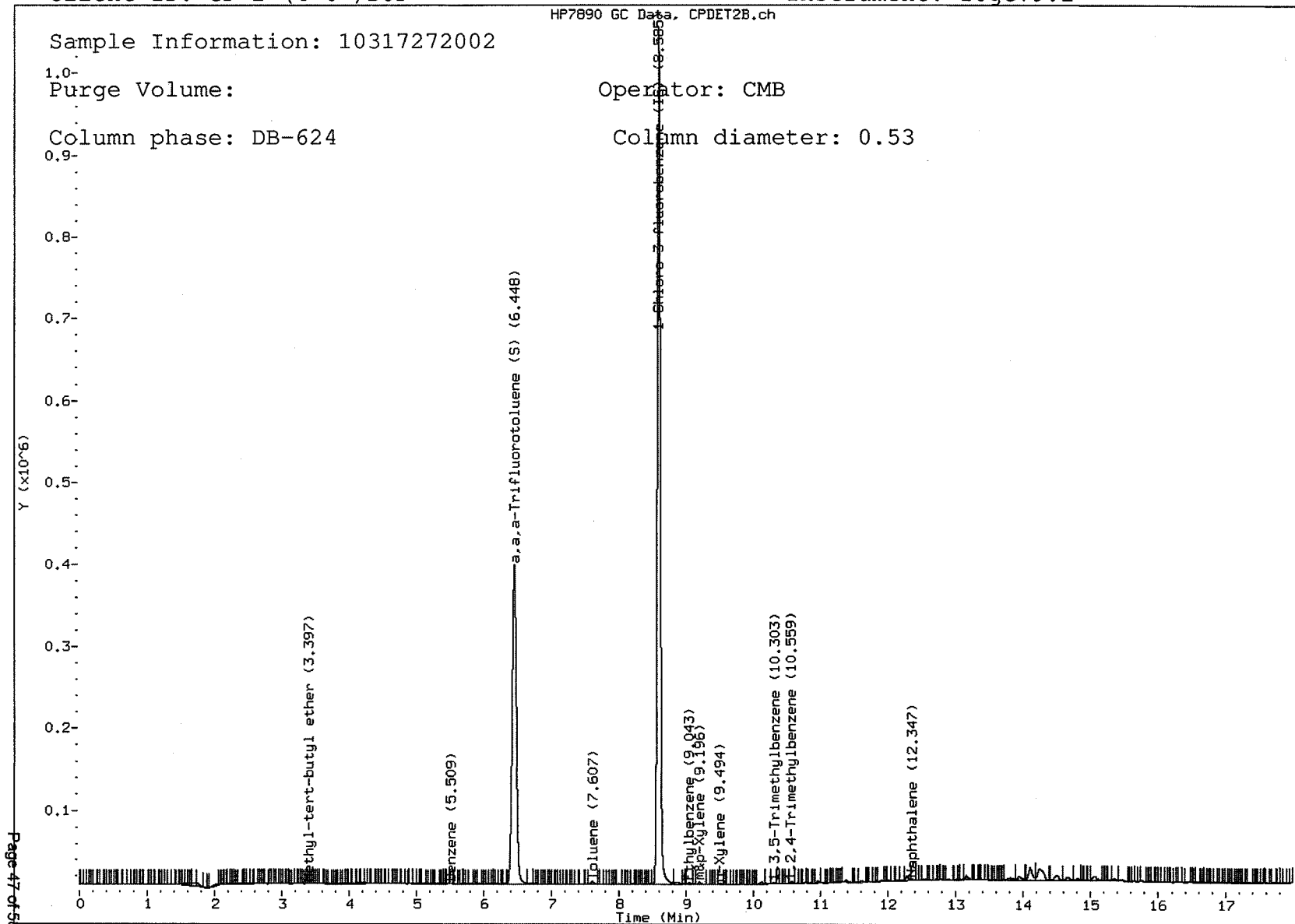
Sample Information: 10317272002

Purge Volume: 1.0

Operator: CMB

Column phase: DB-624

Column diameter: 0.53



Data File: \\192.168.10.12\chem\10gcv9.i\081215B-2.b\22435.d

Report Date: 08/13/2015

Sample ID: 10317272002

Client ID: GP-2 (4-6') DUP

Instrument: 10gcv9.i

HP7890 GC Data, FID1A.ch

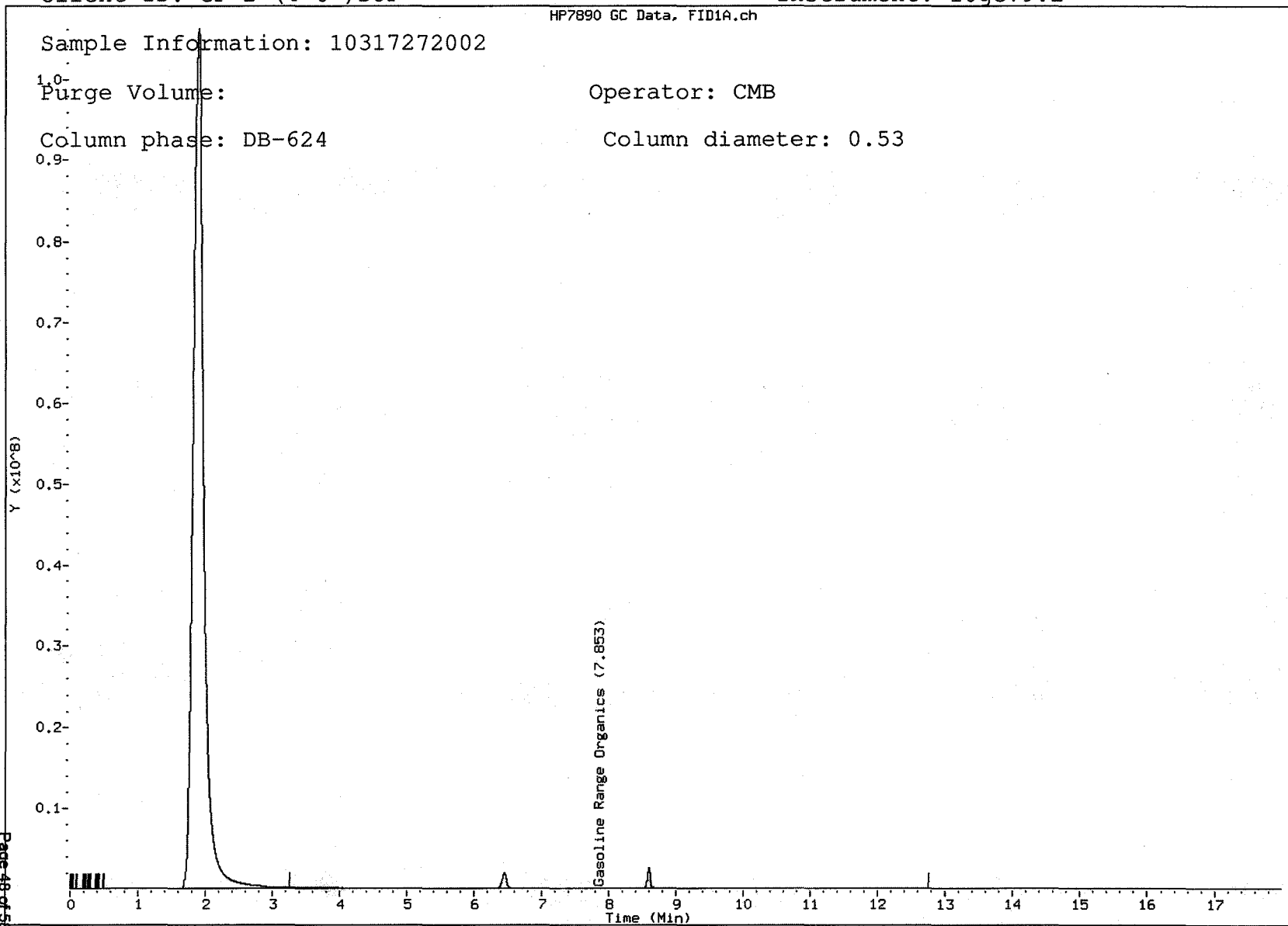
Sample Information: 10317272002

Purge Volume: 1.0

Operator: CMB

Column phase: DB-624

Column diameter: 0.53



Data File: \\192.168.10.12\chem\10gcv9.i\081215B-1.b\22437.d

Report Date: 08/13/2015

Sample ID: 10317272003

Client ID: GP-4 (0-2')

Instrument: 10gcv9.i

HP7890 GC Data, CPDET2B.ch

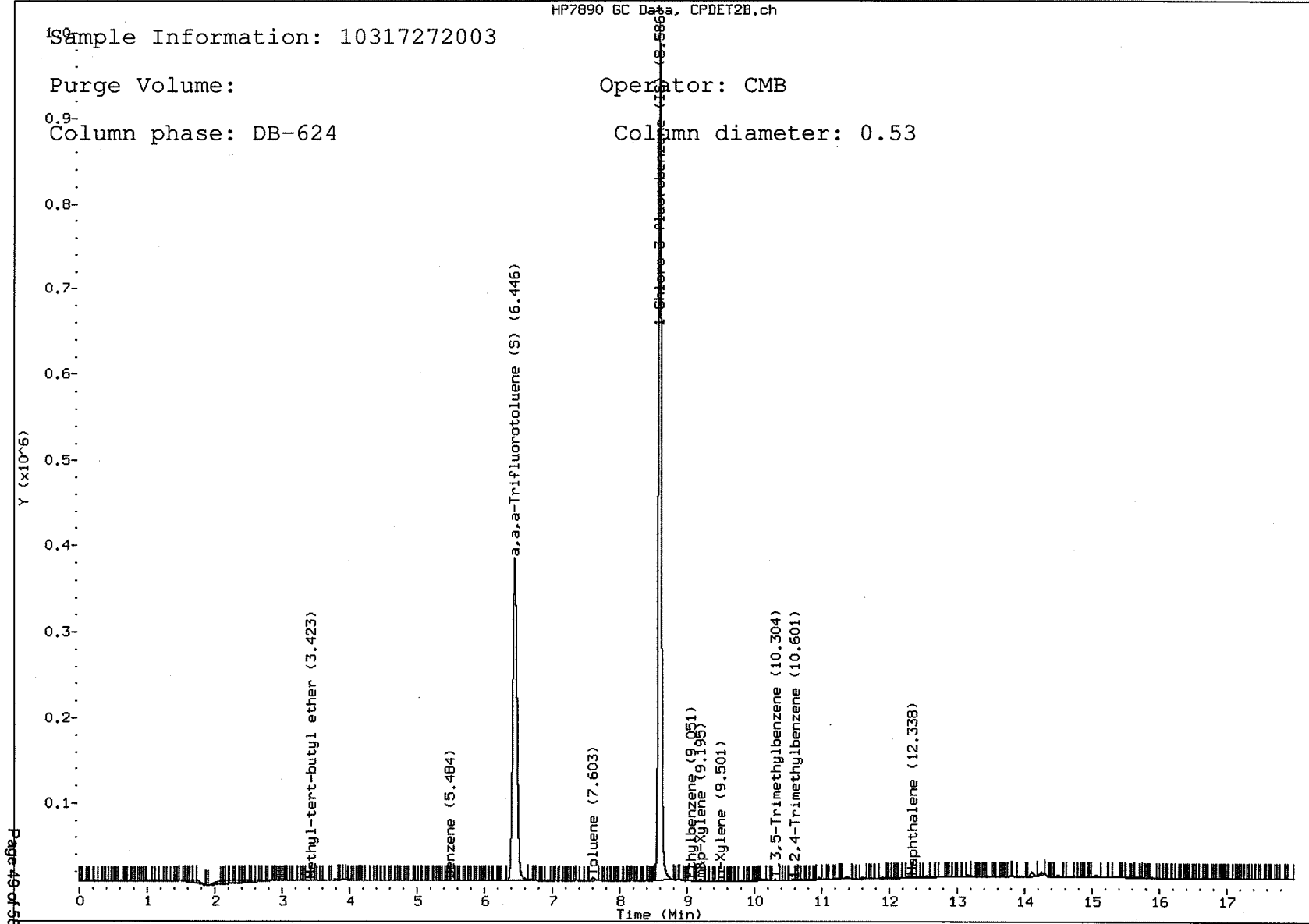
Sample Information: 10317272003

Purge Volume:

Operator: CMB

Column phase: DB-624

Column diameter: 0.53



Data File: \\192.168.10.12\chem\10gcv9.i\081215B-2.b\22437.d

Report Date: 08/13/2015

Sample ID: 10317272003

Client ID: GP-4 (0-2')

Instrument: 10gcv9.i

HP7890 GC Data. FID1A.ch

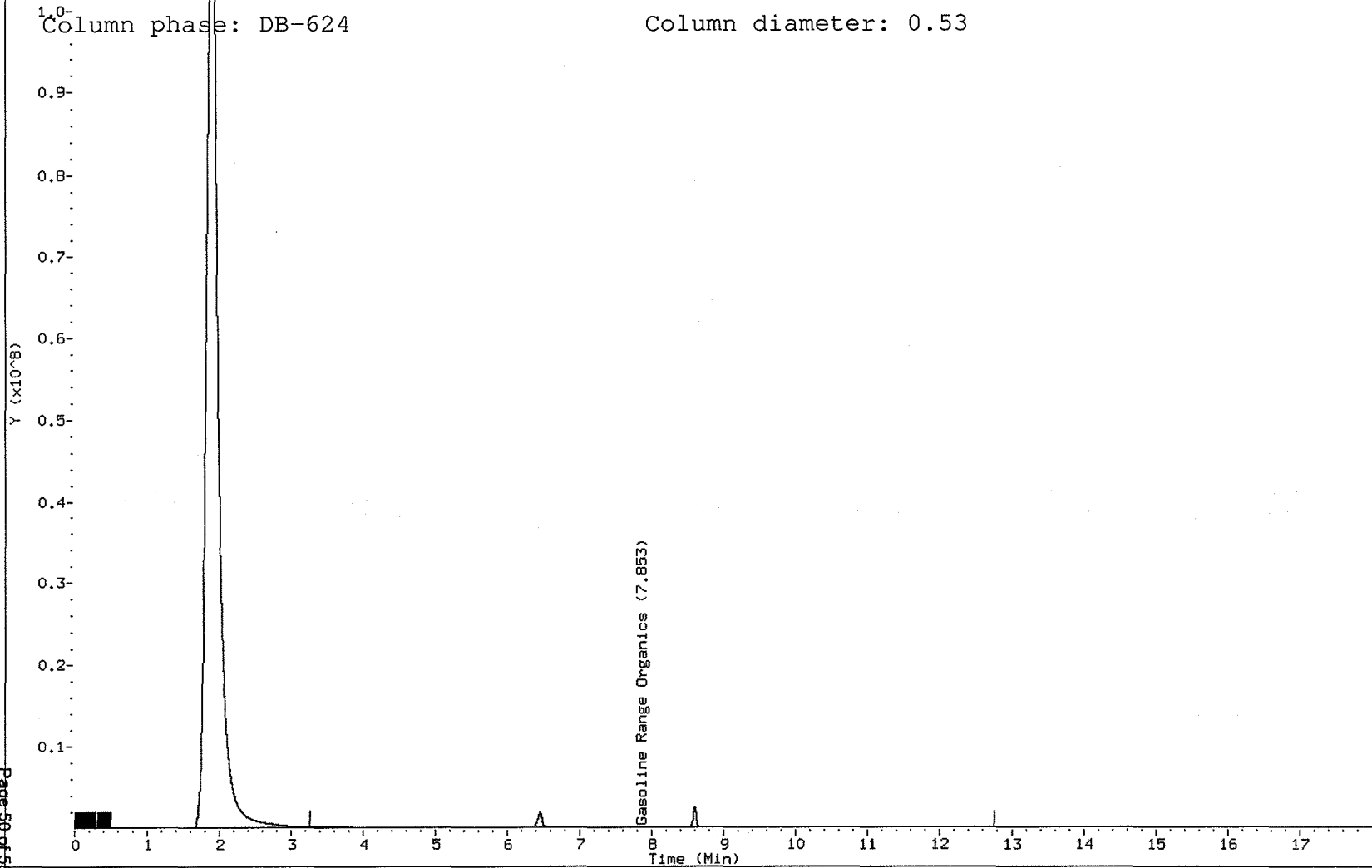
Sample Information: 10317272003

Purge Volume:

Operator: CMB

Column phase: DB-624

Column diameter: 0.53



Data File: \\192.168.10.12\chem\10gcv9.i\081415A-1.b\22615.d

Report Date: 08/14/2015

Sample ID: 10317272004,

Client ID:

Instrument: 10gcv9.i

HP7890 GC Data, CPDET2B.ch

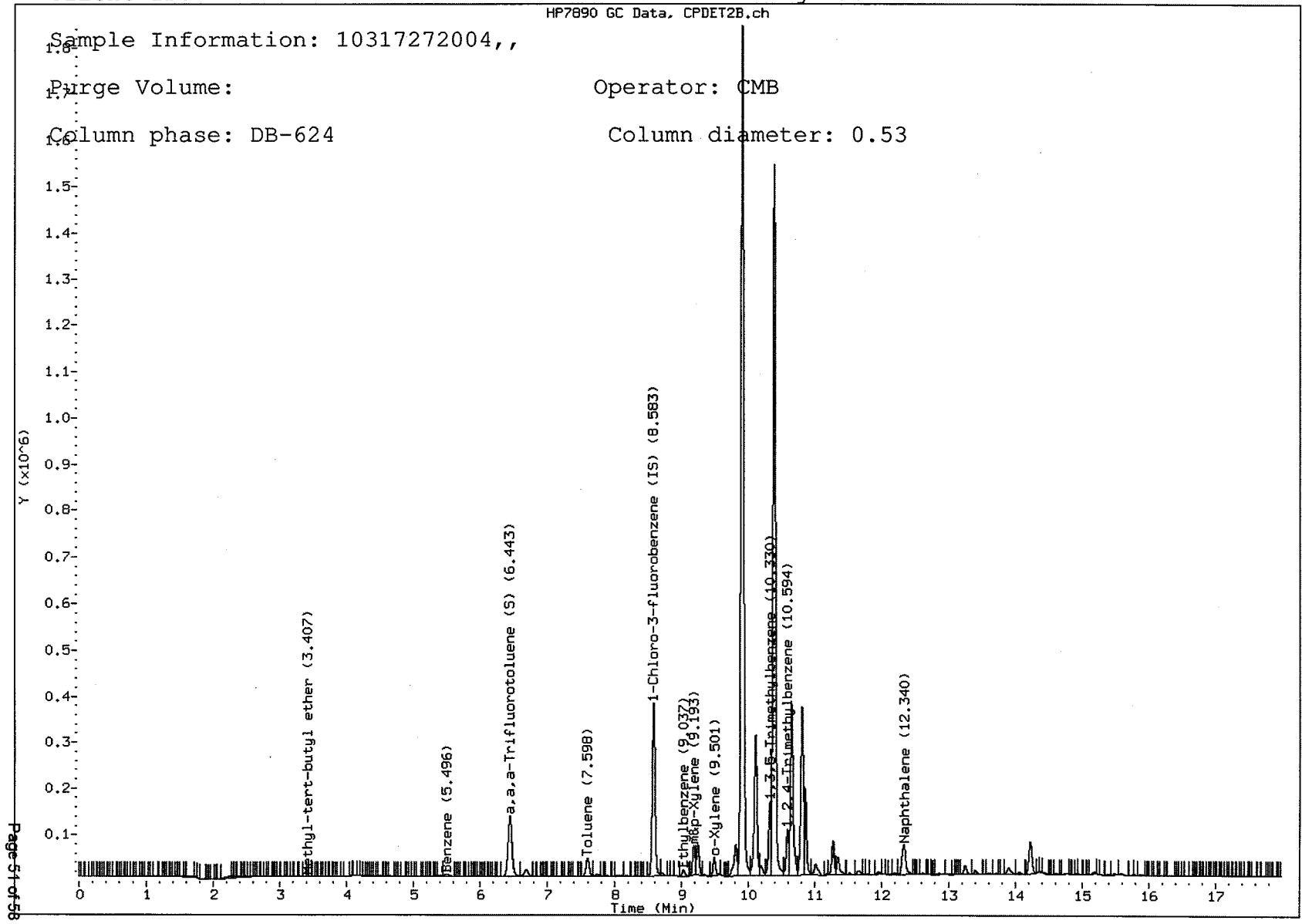
Sample Information: 10317272004,,

Purge Volume:

Operator: CMB

Column phase: DB-624

Column diameter: 0.53



Page 54 of 56

Data File: \\192.168.10.12\chem\10gcv9.i\081415A-2.b/22615.d

Report Date: 08/14/2015

Sample ID: 10317272004

Client ID: GP-4 (0-2')

Instrument: 10gcv9.i

HP7890 GC Data. FID1A.ch

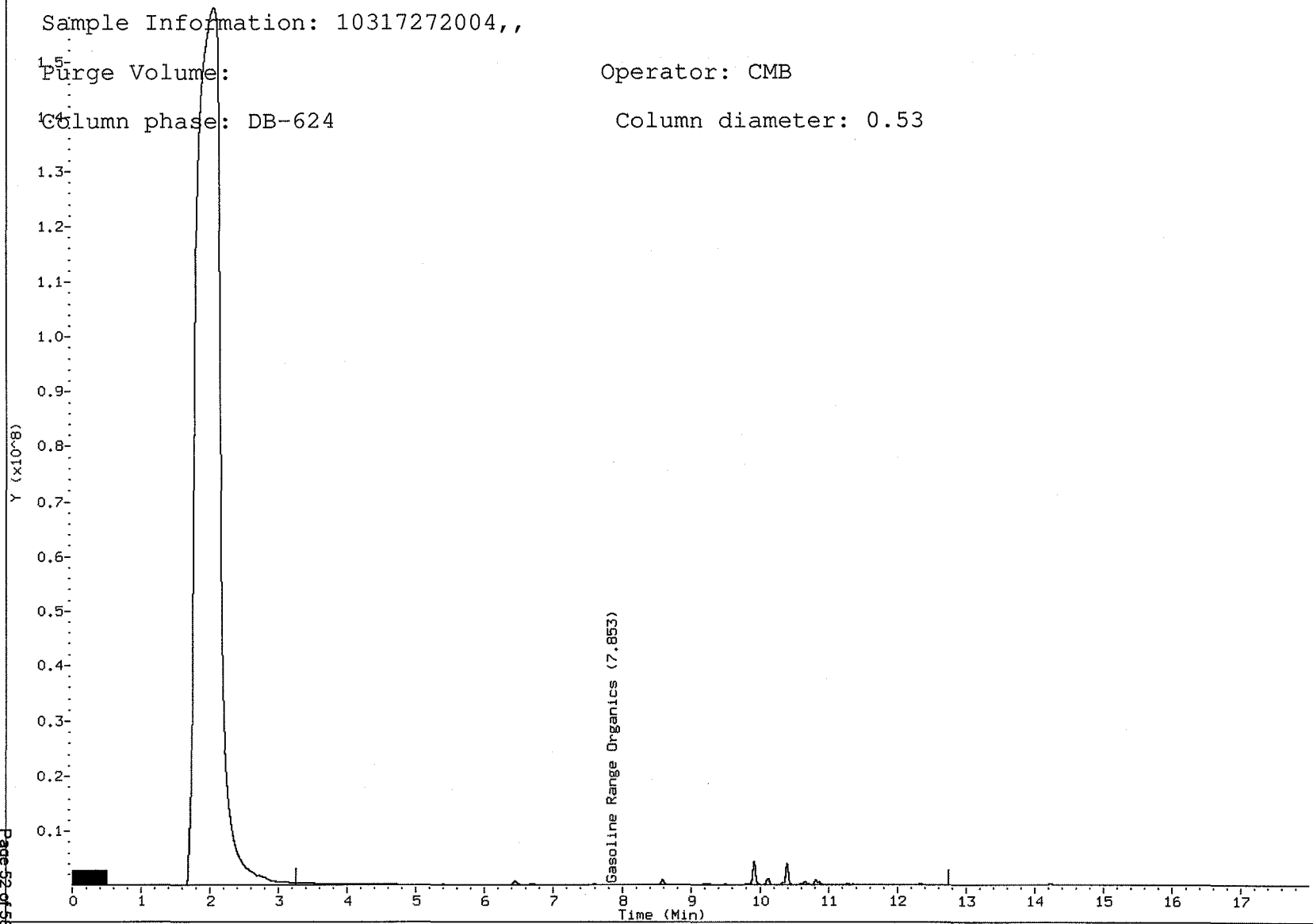
Sample Information: 10317272004,,

Purge Volume:

Operator: CMB

Column phase: DB-624

Column diameter: 0.53



Data File: \\192.168.10.12\chem\10gcv9.i\081215B-1.b\22439.d

Report Date: 08/13/2015

Sample ID: 10317272005

Client ID: HA-1

Instrument: 10gcv9.i

HP7890 GC Data, CPDET2B.ch

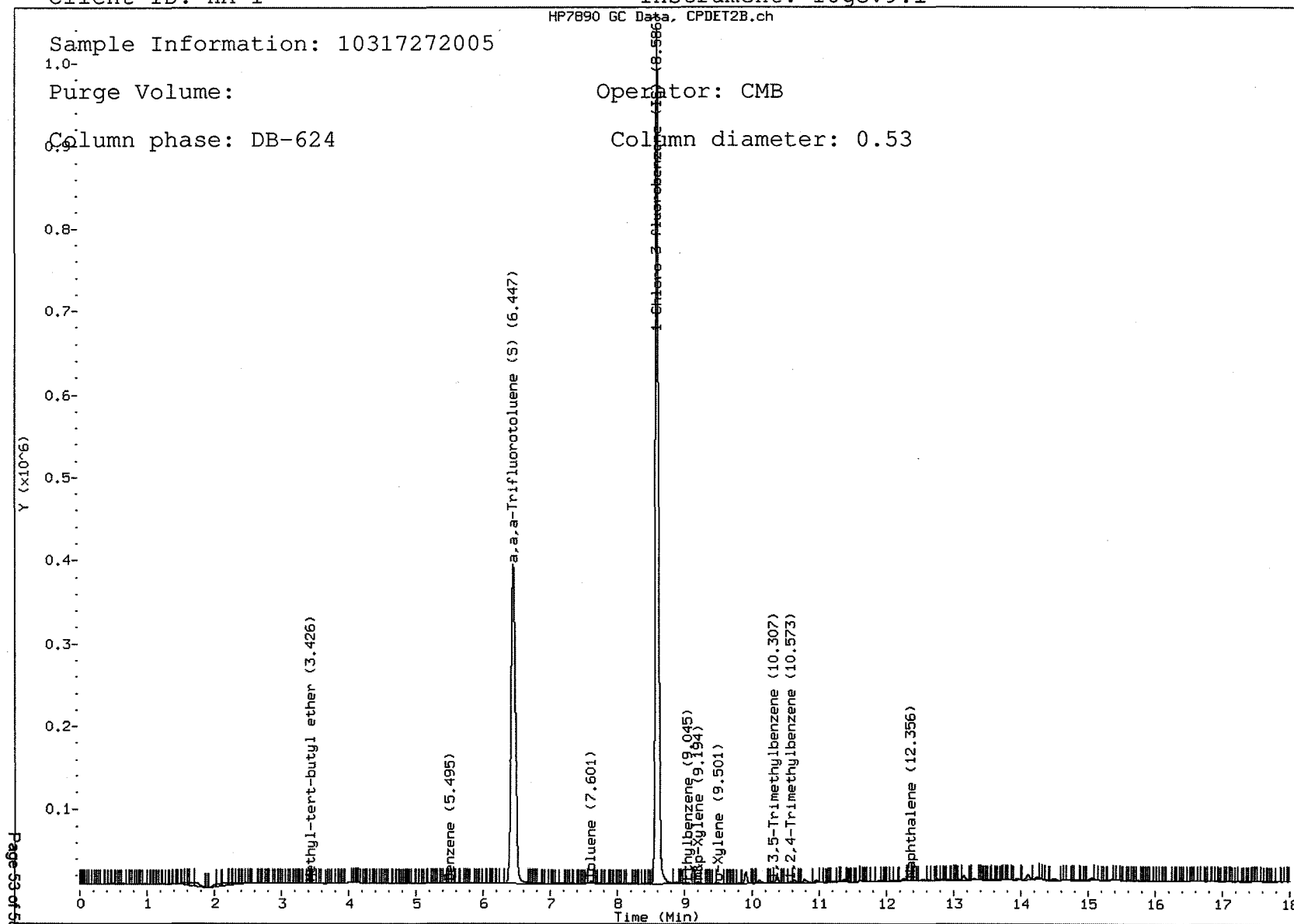
Sample Information: 10317272005

Purge Volume:

Operator: CMB

Column phase: DB-624

Column diameter: 0.53



Data File: \\192.168.10.12\chem\10gcv9.i\081215B-2.b\22439.d

Report Date: 08/13/2015

Sample ID: 10317272005

Client ID: HA-1

Instrument: 10gcv9.i

HP7890 GC Data, FID1A.ch

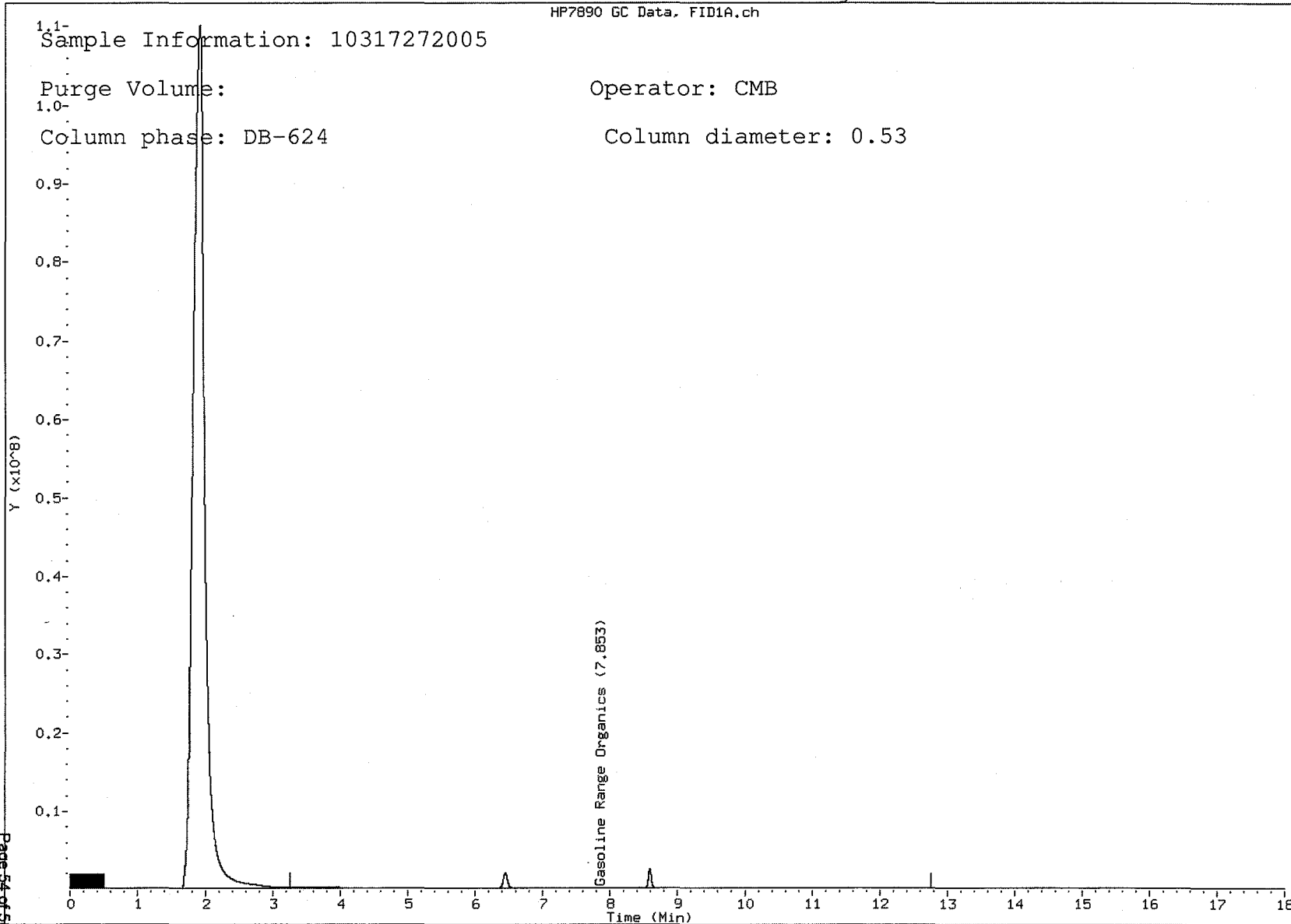
1.1-
Sample Information: 10317272005

Purge Volume:

Operator: CMB

Column phase: DB-624

Column diameter: 0.53



Data File: \\192.168.10.12\chem\10gcv9.i\081215B-1.b\22440.d

Report Date: 08/13/2015

Sample ID: 10317272007

Client ID: TP-1 (0-2')

Instrument: 10gcv9.i

HP7890 GC Data, CPDET2B.ch

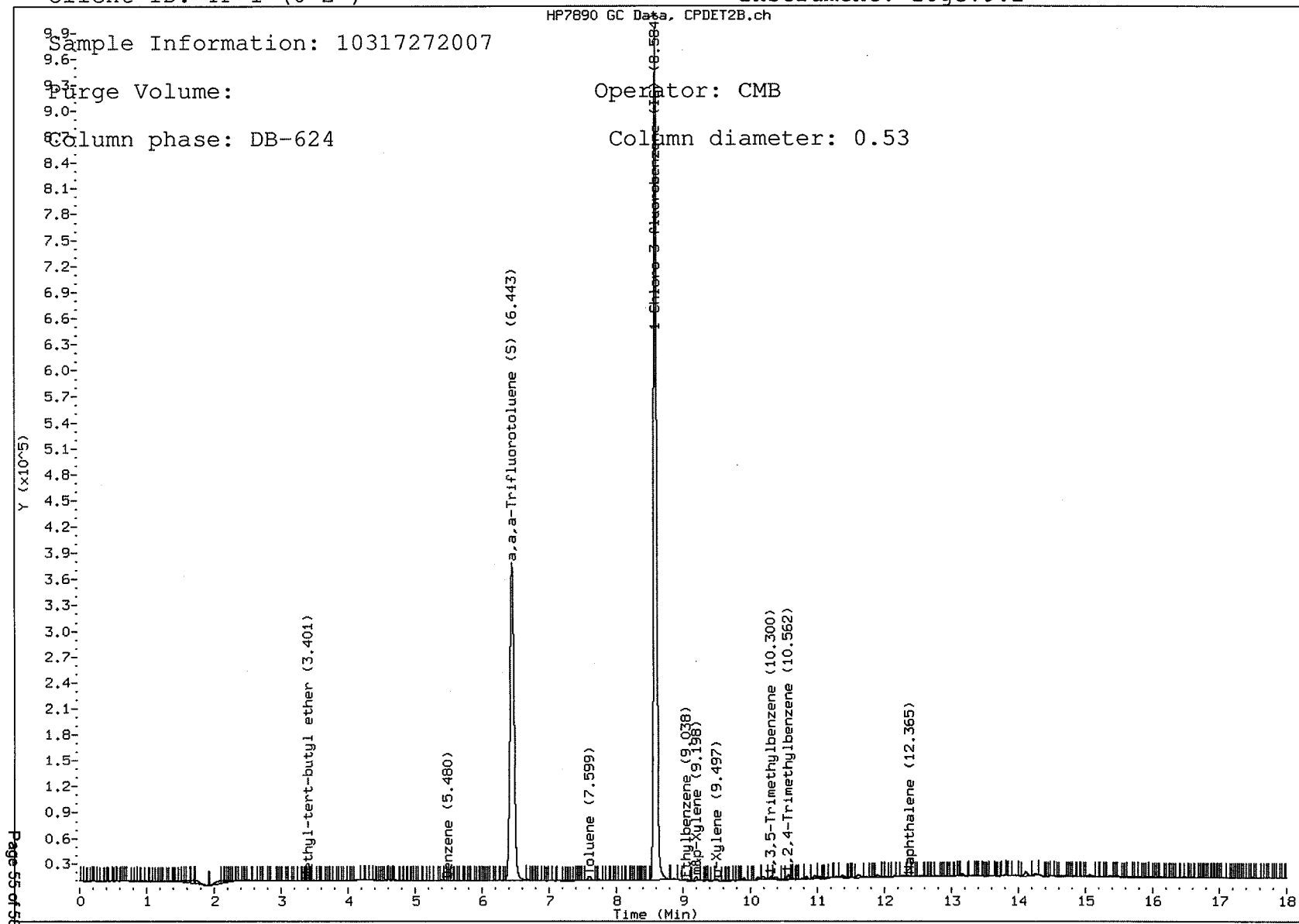
Sample Information: 10317272007

Purge Volume:

Operator: CMB

Column phase: DB-624

Column diameter: 0.53



Data File: \\192.168.10.12\chem\10gcv9.i\081215B-2.b\22440.d

Report Date: 08/13/2015

Sample ID: 10317272007

Client ID: TP-1 (0-2')

Instrument: 10gcv9.i

HP7890 GC Data, FID1A.ch

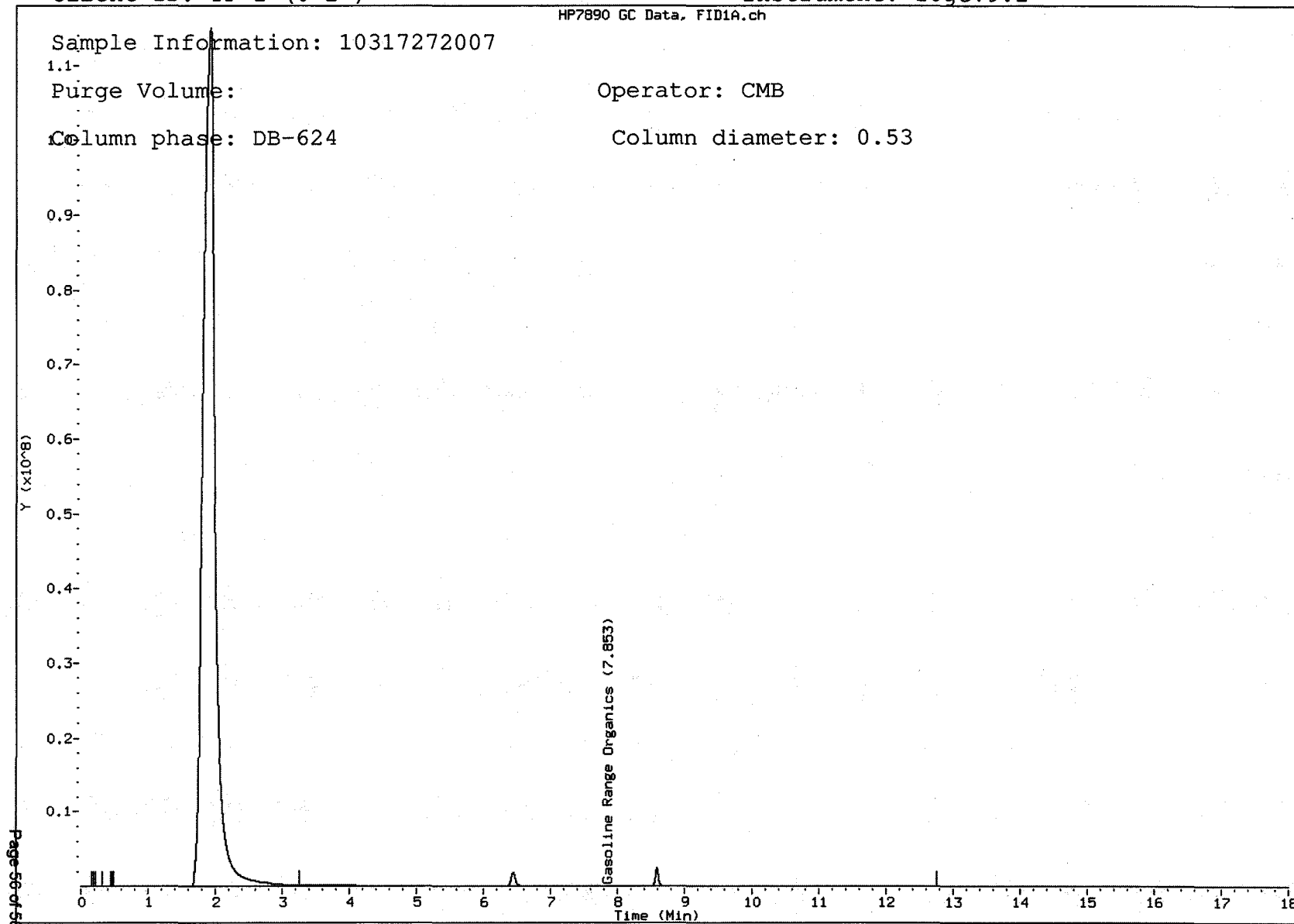
Sample Information: 10317272007

1.1-
Purge Volume:

Operator: CMB

Column phase: DB-624

Column diameter: 0.53



Data File: \\192.168.10.12\chem\10gcv3.i\081215A-1.b/1-224033.d

Report Date: 08/13/2015

Sample ID: 10317272006

Client ID:

Instrument: 10gcv3.i

HP5890 GC Data, FID1A.CH

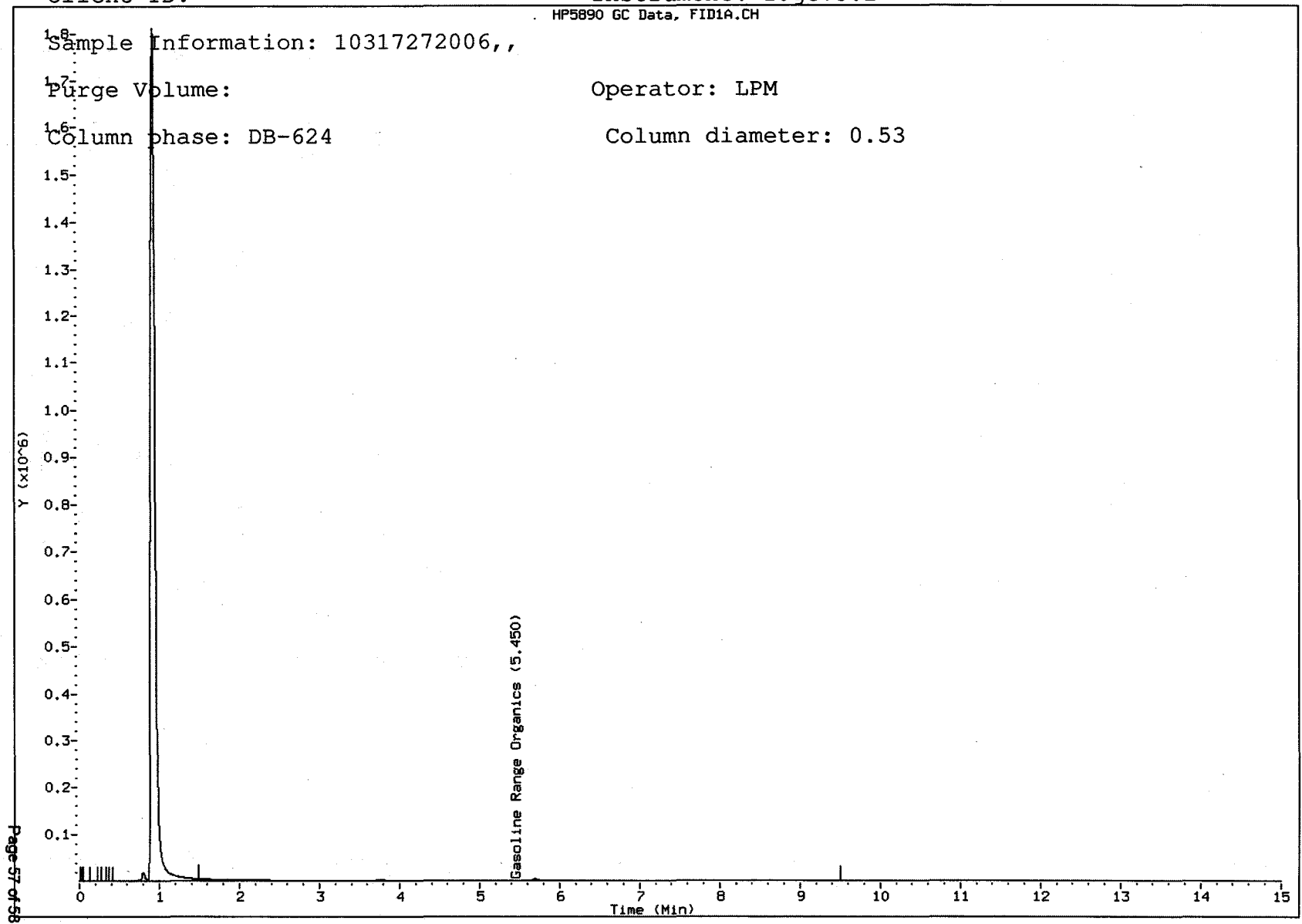
Sample Information: 10317272006,,

Purge Volume:

Operator: LPM

Column phase: DB-624

Column diameter: 0.53



Data File: \\192.168.10.12\chem\10gcv3.i\081215A-2.b\1-224033.d

Report Date: 08/13/2015

Sample ID: 10317272006

Client ID:

Instrument: 10gcv3.i

HP5890 GC Data, FID2B.CH

Sample Information: 10317272006,,

Purge Volume:

Operator: LPM

Column phase: DB-624

Column diameter: 0.53

