

February 20, 2018

State of Wisconsin
Department of Natural Resources
Attn: Andy Alles RR/5
PO Box 7921
Madison, WI 53707-7921

Re: Letter Report of Sampling Results
Lenny's Service Center, 1500 Rawson Avenue, South Milwaukee, Wisconsin
BRRTS #03-41-003443

Dear Mr. Alles:

Assured Environmental Associates, Inc. (AEA) submits this letter report to provide information related to the installation of a groundwater monitoring well and monitoring well sampling.

Attached are:

- A Monitoring Well Construction Form 4400-113A for MW-26;
- A Monitoring Well Development Form 4400-113B for MW-26
- A Monitoring Well Abandonment Form 3300-005 for MW-20;
- A Table A-1 Groundwater Analytical Table that provides a groundwater data summary;
- Analytical results from sampling completed in 2017 and February 2018; and
- A Summary of Well Install and Abandon Locations figure.

Monitoring well MW-26 was installed to 20-feet below ground surface on October 12, 2017, monitoring well MW-20 was abandoned on October 13, 2017, and MW-26 was developed on October 21, 2017. Monitoring Wells MW-15, MW-16, MW-23, MW-24, and MW-26 were sampled on October 21st and October 23, 2017 and MW-17 was not sampled because only product was observed in that well.

Monitoring Wells MW-15, MW-16, MW-17, MW-23, MW-24, and MW-26 were sampled on February 7, 2018. Product in MW-17 was observed to be approximately 4-inches and a petroleum sheen was observed on MW-23.

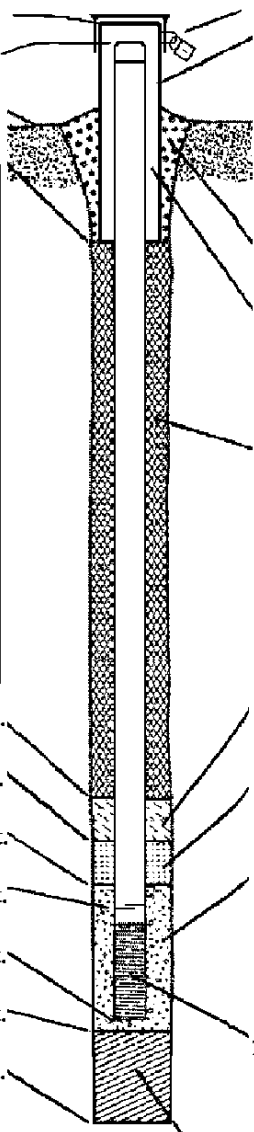
If we can provide you with any additional information or if you require clarification, please call me at (262) 781-4646.

Sincerely,

Gregory S. Walsh, PE
ASSURED ENVIRONMENTAL ASSOCIATES, INC.

Facility/Project Name Lenny's Service	Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. _____ ft. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.	Well Name MW-26
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. _____ " Long. _____ "	Wis. Unique Well No. _____ DNR Well ID No. _____
Facility ID	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed <u>10</u> / <u>12</u> / <u>2017</u> m m d d y y y y
Type of Well Well Code 11 / MW	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm Anthony Kapugi
Distance from Waste/Source _____ ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number _____
Enf. Stds. Apply <input type="checkbox"/>		On-site Environmental Services, Inc.

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: _____ in.
C. Land surface elevation _____ ft. MSL	b. Length: _____ ft.
D. Surface seal, bottom _____ ft. MSL or <u>.5</u> ft.	c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: _____
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 50 e. <u>.75</u> Ft ³ volume added for any of the above
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
Describe _____	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
17. Source of water (attach analysis, if required): _____	7. Fine sand material: Manufacturer, product name & mesh size a. <u>Sidley 30/100</u>
E. Bentonite seal, top _____ ft. MSL or <u>.5</u> ft.	b. Volume added <u>.25</u> ft ³
F. Fine sand, top _____ ft. MSL or <u>0.5</u> ft.	8. Filter pack material: Manufacturer, product name & mesh size a. <u>Sidley #5</u>
G. Filter pack, top _____ ft. MSL or <u>3</u> ft.	b. Volume added <u>3.2</u> ft ³
H. Screen joint, top _____ ft. MSL or <u>5</u> ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
I. Well bottom _____ ft. MSL or <u>15</u> ft.	10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
J. Filter pack, bottom _____ ft. MSL or <u>15</u> ft.	b. Manufacturer <u>Monoflex</u>
K. Borehole, bottom _____ ft. MSL or <u>16</u> ft.	c. Slot size: _____ in.
L. Borehole, diameter <u>8.25</u> in.	d. Slotted length: _____ ft.
M. O.D. well casing <u>2.35</u> in.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
N. I.D. well casing <u>2.03</u> in.	



I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Anthony R. Kapugi Firm On-site Environmental Services, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Lenny's Service	County Name Milwaukee	Well Name XXXX MW-26
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number
		DNR Well ID Number

1. Can this well be purged dry? Yes No
2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other _____
3. Time spent developing well 20 min.
4. Depth of well (from top of well casing) 15.1 ft.
5. Inside diameter of well 2.0 in.
6. Volume of water in filter pack and well casing 0.6 gal.
7. Volume of water removed from well 2.0 gal.
8. Volume of water added (if any) — gal.
9. Source of water added N/A

- | | | |
|---|--|--|
| | <u>Before Development</u> | <u>After Development</u> |
| 11. Depth to Water (from top of well casing) | a. <u>12.26</u> ft. | <u>DRY</u> ft. |
| Date | b. <u>10/21/2017</u> | <u>10/21/2017</u> |
| Time | c. <u>3:00</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m. | <u>3:20</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m. |
| 12. Sediment in well bottom | _____ inches | _____ inches |
| 13. Water clarity | Clear <input checked="" type="checkbox"/> 10
Turbid <input type="checkbox"/> 15
(Describe) _____ | Clear <input type="checkbox"/> 20
Turbid <input checked="" type="checkbox"/> 25
(Describe) _____ |
| Fill in if drilling fluids were used and well is at solid waste facility: | | |
| 14. Total suspended solids | _____ mg/l | _____ mg/l |
| 15. COD | _____ mg/l | _____ mg/l |

10. Analysis performed on water added? Yes No
(If yes, attach results)

16. Well developed by: Name (first, last) and Firm
First Name: MICHAEL Last Name: GOY
Firm: ASSURED ENVIRONMENTAL ASSOC.

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party

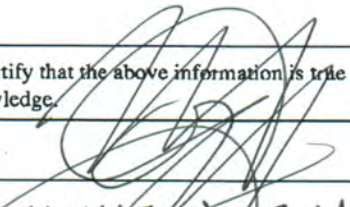
First Name: JIM Last Name: LYNCH

Facility/Firm: _____

Street: 1500 RAWSON AVE.,

City/State/Zip: SO. MILWAUKEE WI 53172

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: 

Print Name: MICHAEL A. GOY

Firm: ASSURED ENVIRONMENTAL ASSOC.

NOTE: See instructions for more information including a list of county codes and well type codes.

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to DNR Bureau:

- Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other: _____

1. Well Location Information **2. Facility / Owner Information**

County Milwaukee	WI Unique Well # of Removed Well _____	Hicap # _____
Latitude / Longitude (see instructions) _____ N _____ W	Format Code <input type="checkbox"/> DD <input type="checkbox"/> DDM	Method Code <input type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001
1/4 / 1/4 or Gov't Lot #	Section	Township N
Well Street Address 1500 Rawson Avenue	Range <input type="checkbox"/> E <input type="checkbox"/> W	Well ZIP Code 53172
Well City, Village or Town City of South Milwaukee	Well ZIP Code 53172	Subdivision Name
Subdivision Name	Lot #	City of Present Owner South Milwaukee

Facility Name Lenny's Service Center	Facility ID (FID or PWS) 241525680
License/Permit/Monitoring # MW-20	Original Well Owner Lenny's Service Center
Present Well Owner Lenny's Service Center	Mailing Address of Present Owner 623 Marquette Avenue
City of Present Owner South Milwaukee	State WI
ZIP Code 53172	

Reason for Removal from Service Soil remedial action	WI Unique Well # of Replacement Well _____
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3. Filled & Sealed Well / Drillhole / Borehole Information

<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) 4/13/2010
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.
<input type="checkbox"/> Borehole / Drillhole	

Construction Type:
<input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug
<input type="checkbox"/> Other (specify): _____

Formation Type:
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock

Total Well Depth From Ground Surface (ft.) 15-foot	Casing Diameter (in.) 2
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Lower Drillhole Diameter (in.) 2	Casing Depth (ft.) NA
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Was well annular space grouted?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown

If yes, to what depth (feet)? 15	Depth to Water (feet) 12
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4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Liner(s) perforated?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Screen removed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Casing left in place?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Was casing cut off below surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did material settle after 24 hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
If yes, was hole retopped?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A


5. Material Used to Fill Well / Drillhole

Granular bentonite	From (ft.) Surface	To (ft.) 15	No. Yards, Sacks Sealant or Volume (circle one) 1/2 sack	Mix Ratio or Mud Weight
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6. Comments

Well was abandoned with bentonite and later removed as part of an excavation for contaminated soil removal

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing Gregory S. Walsh	License # NA	Date of Filling & Sealing or Verification (mm/dd/yyyy) 10/13/2017
Street or Route 14120 West Glendale Ave	Telephone Number (262) 781-4646	Signature of Person Doing Work 
City Brookfield	State WI	ZIP Code 53005

DNR Use Only

Date Received	Noted By
Comments	Date Signed 10/13/2017

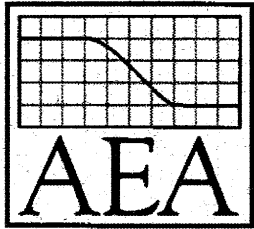


Table A.1
 Groundwater Analytical Table
 Groundwater Lead Concentration¹
 Lenny's Service and Towing
 1500 Rawson Avenue
 South Milwaukee, Wisconsin

Monitoring Well/ Standard	Date	Lead Concentration
MW-15	4/14/2010	< 1.8
MW-15	9/9/2010	< 1.8
MW-15	12/30/2010	59
MW-15	3/31/2011	8
MW-15	6/30/2011	< 1.8
MW-16	4/14/2010	< 1.8
MW-16	9/9/2010	< 1.8
MW-16	12/30/2010	< 1.8
MW-16	3/31/2011	< 1.8
MW-16	6/30/2011	< 1.8
MW-17	4/14/2010	< 1.8
MW-18	4/14/2010	< 1.8
MW-18 -2	4/14/2010	< 1.8
MW-18	9/9/2010	< 1.8
MW-18	12/30/2010	< 1.8
MW-18	3/31/2011	< 1.8
MW-18	6/30/2011	< 1.8
MW-19	4/14/2010	6.6
MW-20	4/14/2010	1.9
MW-20	9/9/2010	< 1.8
MW-20	12/30/2010	< 1.8
MW-20	3/31/2011	< 1.8
MW-20	6/30/2011	< 1.8
MW-23	9/9/2010	< 1.8
MW-23	12/30/2010	< 1.8
MW-23	3/31/2011	< 1.8
MW-23	6/30/2011	< 1.8
MW-24	9/9/2010	< 1.8
MW-24	12/30/2010	< 1.8
MW-24	3/31/2011	< 1.8
MW-24	6/30/2011	< 1.8
MW-24	6/30/2011	< 1.8
NR 140 ES		15
NR 140 PAL		1.5

¹ All concentrations in micrograms per liter or parts per billion, bbb.

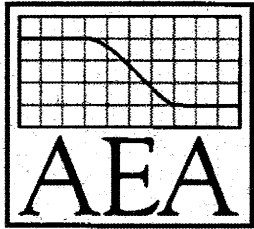


Table A.1
 Groundwater Analytical Table
 Groundwater Petroleum Volatile Organic Compound Analytical Results²
 Lenny's Service and Towing
 1500 Rawson Avenue
 South Milwaukee, Wisconsin

Parameter	NR 140		MW-15	MW-15	MW-15	MW-15	MW-15	MW-15
	ES	PAL	9/9/2010	12/30/10	3/31/2011	6/30/2011	10/21/2017	2/07/2018
Benzene	5.0	0.5	0.097J	0.11J	0.23J	0.16J	<0.0700	0.0875BJ
Toluene	1,000	200	<5.0	0.12J	0.15J	0.33J	<0.412	<0.412
Ethylbenzene	700	140	<0.50	< 0.62	0.13J	0.10J	<0.120	<0.120
m&p-Xylene	10,000	1,000	<1.0	0.13	0.26J	0.15J	<0.121	<0.121
o-Xylene			<0.50	< 0.078	0.23J	0.089J	<0.104	<0.104
Methyl tert-butyl ether	60	12	<1.0	<0.050	0.074J	0.058J	<0.252	<0.252
Naphthalene	40	8	<5.0	< 0.74	< 0.74	<0.74	<0.221	<0.221
1,3,5-Trimethylbenzene	480	96	<1.0	0.25J	0.096J	<1.0	<0.790	<0.790
1,2,4-Trimethylbenzene			<1.0	0.46J	0.22J	0.1J	<0.093	<0.093

Parameter	NR 140		MW-16	MW-16	MW-16	MW-16	MW-16	MW-16
	ES	PAL	9/9/2010	12/30/2010	3/31/2011	6/30/2011	10/21/2017	02/07/18
Benzene	5.0	0.5	0.052J	< 0.051	0.14J	0.070J	0.102 J	0.155BJ
Toluene	1,000	200	<5.0	<0.088	< 0.088	0.43J	<0.412	<0.412
Ethylbenzene	700	140	<0.50	<0.062	0.17J	0.077J	<0.120	0.537
m&p-Xylene	10,000	1,000	<1.0	<0.13	0.18J	<0.13	<0.121	0.760
o-Xylene			<0.50	<0.078	< 0.078	<0.078	<0.104	0.289
Methyl tert-butyl ether	60	12	<1.0	<0.050	0.052J	0.093J	<0.252	<0.252
Naphthalene	40	8	<5.0	<0.74	< 0.74	<0.74	<0.221	2.35B
1,3,5-Trimethylbenzene	480	96	<1.0	<0.056	0.10J	<1.0	<0.790	0.137J
1,2,4-Trimethylbenzene			0.18J	0.11J	0.25J	0.093J	0.108	0.537

² Parameters include compounds detected as part of VOC analysis on groundwater. All concentrations in micrograms per liter or parts per billion, bbb.

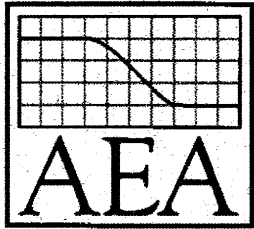


Table A.1
 Groundwater Analytical Table
 Groundwater Petroleum Volatile Organic Compound Analytical Results³
 Lenny's Service and Towing
 1500 Rawson Avenue
 South Milwaukee, Wisconsin

Parameter	NR 140		MW-18	MW-18	MW-18	MW-18
	ES	PAL	9/9/2010	12/30/2010	3/31/2011	6/30/2011
Benzene	5.0	0.5	0.052J	< 0.051	0.16J	0.086J
Toluene	1,000	200	0.15J	0.15J	0.22J	0.19J
Ethylbenzene	700	140	<0.50	<0.062	0.20J	0.096J
m&p-Xylene	10,000	1,000	<1.0	<0.13	0.19J	0.13J
o-Xylene			<0.50	<0.078	0.23J	<0.50
Methyl tert-butyl ether	60	12	0.34J	<0.050	0.26J	0.11J
Naphthalene	40	8	<5.0	<0.74	< 0.74	<0.74
1,3,5-Trimethylbenzene	480	96	<1.0	<0.056	0.16J	<0.056
1,2,4-Trimethylbenzene			<1.0	<0.069	0.17J	0.077J

Parameter	NR 140		MW-20	MW-20	MW-20	MW-20
	ES	PAL	9/9/2010	9/9/2010	3/31/2011	6/30/2011
Benzene	5.0	0.5	1.3J	0.88	2.1J	0.3J
Toluene	1,000	200	<50	12	24J	1.8J
Ethylbenzene	700	140	7.2	20	3.8	35
m&p-Xylene	10,000	1,000	33	34	140	15
o-Xylene			5.3	16	61	26
Methyl tert-butyl ether	60	12	<10	0.65	0.75J	0.25J
Naphthalene	40	8	53	200	6,800	540
1,3,5-Trimethylbenzene	480	96	11	140	560	59
1,2,4-Trimethylbenzene			48	230	800	130

³ Parameters include compounds detected as part of PVOC analysis on groundwater. All concentrations in micrograms per liter or parts per billion, bbb.

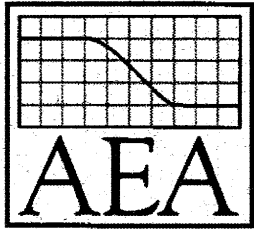


Table A.1
 Groundwater Analytical Table
 Groundwater Petroleum Volatile Organic Compound Analytical Results⁴
 Lenny's Service and Towing
 1500 Rawson Avenue
 South Milwaukee, Wisconsin

Parameter	NR 140		MW-23	MW-23	MW-23	MW-23	MW-23	MW-23
	ES	PAL	9/9/2010	12/30/2010	3/30/2011	6/30/2011	10/23/2017	2/7/2018
Benzene	5.0	0.5	0.13	< 0.051	0.093	<0.50	2.84	14.5
Toluene	1,000	200	2	0.10J	0.13	0.18	15.7	<4.12
Ethylbenzene	700	140	0.073	<0.062	0.16	<0.50	35.3	72.7
m&p-Xylene	10,000	1,000	0.16	<0.13	0.24	<1.0	37.3	18.5
o-Xylene			0.084	<0.078	0.17	0.096	2.90	7.38
Methyl tert-butyl ether	60	12	0.076	0.23J	0.18	0.18	1.92	10.8
Naphthalene	40	8	<5.0	<0.74	1.1	<5.0	18.2	<2.21
1,3,5-Trimethylbenzene	480	96	<1.0	<0.056	0.093	0.24	60.4	<0.790
1,2,4-Trimethylbenzene			<1.0	0.78J	0.33	0.55	58.0	203

Parameter	NR 140		MW-24	MW-24	MW-24	MW-24	MW-24	MW-24
	ES	PAL	9/9/2010	12/30/2010	3/31/2011	6/30/2011	10/23/2017	2/7/2018
Benzene	5.0	0.5	0.06	0.062J	0.083	<0.50/0.48	<0.0700	<0.0700/<0.0700
Toluene	1,000	200	0.35	<0.088	0.13	0.16/17	<0.412	<0.412/<0.412
Ethylbenzene	700	140	0.069	<0.062	0.15	<0.50/0.12	<0.120	<0.120/0.298J
m&p-Xylene	10,000	1,000	<1.0	<0.13	0.19	<1.0/0.36	<0.121	<0.121/0.307J
o-Xylene			0.084	0.81J	0.10	0.095/0.2	<0.104	<0.104/<0.104
Methyl tert-butyl ether	60	12	0.061	0.090J	< 0.050	0.061/<1.0	<0.252	<0.252/<0.252
Naphthalene	40	8	0.8	<0.74	0.75	3.7/<5.0	0.962B	<0.962B/<0.221
1,3,5-Trimethylbenzene	480	96	<1.0	<0.056	0.076	0.083/<1.0	<0.790	<0.790/<0.790
1,2,4-Trimethylbenzene			0.098	0.12J	0.20	0.64/0.16	0.459	0.118J/<0.930

⁴ Parameters include compounds detected as part of PVOC analysis on groundwater. All concentrations in micrograms per liter or parts per billion, bbb.

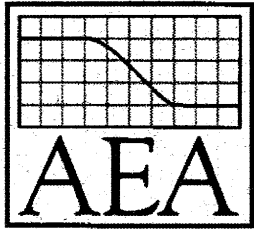


Table A.1
 Groundwater Analytical Table
 Groundwater Petroleum Volatile Organic Compound Analytical Results⁵
 Lenny's Service and Towing
 1500 Rawson Avenue
 South Milwaukee, Wisconsin

Parameter	NR 140		MW-26	MW-26
	ES	PAL	10/23/2017	2/7/2018
Benzene	5.0	0.5	0.824	0.178BJ
Toluene	1,000	200	0.510 J	<0.412
Ethylbenzene	700	140	9.98	0.286J
m&p-Xylene	10,000	1,000	0.343 BJ	<0.121
o-Xylene			0.619	<0.104
Methyl tert-butyl ether	60	12	1.08	<0.252
Naphthalene	40	8	2.06 B	<0.221
1,3,5-Trimethylbenzene	480	96	<0.0790	<0.790
1,2,4-Trimethylbenzene			0.375	1.13

Parameter	NR 140		MW-17
	ES	PAL	10/23/2017
Benzene	5.0	0.5	9.61 BJ
Toluene	1,000	200	<20.6
Ethylbenzene	700	140	114
m&p-Xylene	10,000	1,000	30.1
o-Xylene			23.6
Methyl tert-butyl ether	60	12	12.9
Naphthalene	40	8	<11
1,3,5-Trimethylbenzene	480	96	117
1,2,4-Trimethylbenzene			883

⁵ Parameters include compounds detected as part of PVOC analysis on groundwater. All concentrations in micrograms per liter or parts per billion, bbb.

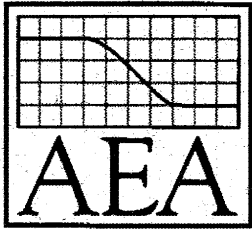


Table A.1
 Groundwater Analytical Table
 Groundwater Petroleum Aromatic Hydrocarbon Analytical Results⁸
 Lenny's Service and Towing
 1500 Rawson Avenue
 South Milwaukee, Wisconsin

Analyte	NR 140 Groundwater Standard		MW-17 4/14/2010
	ES	PAL	
Acenaphthene	NS	NS	<1.0
Acenaphthylene	NS	NS	1.2
Anthracene	3,000	600	<1.0
Benz(a)anthracene	NS	NS	<1.0
Benzo(a)pyrene	0.2	0.02	<1.0
Benzo(b)fluoranthene	0.2	0.02	<1.0
Benzo(g,h,i)perylene	NS	NS	<1.0
Benzo(k)fluoranthene	NS	NS	<1.0
Chrysene	0.2	0.02	<1.0
Dibenz(a,h)anthracene	NS	NS	<1.0
Fluoranthene	400	80	<1.0
Fluorene	400	80	1.2
Indeno(1,2,3-cd)pyrene	NS	NS	<1.0
Naphthalene	40	8	20
Phenanthrene	NS	NS	1.6
Pyrene	250	50	<1.0

⁸ All concentrations in micrograms per liter or parts per billion, bbb.

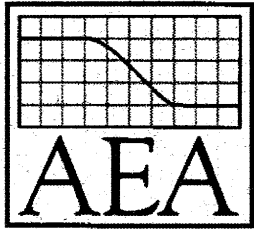


Table A.1
 Groundwater Analytical Table
 Groundwater Petroleum Aromatic Hydrocarbon Analytical Results⁶
 Lenny's Service and Towing
 1500 Rawson Avenue
 South Milwaukee, Wisconsin

Analyte	NR 140 Groundwater Standard		MW-15 4/14/2010	MW-15 9/9/2010
	ES	PAL		
Acenaphthene	NS	NS	<1.0	<1.0
Acenaphthylene	NS	NS	<1.0	<1.0
Anthracene	3,000	600	<1.0	<1.0
Benz(a)anthracene	NS	NS	<1.0	<1.0
Benzo(a)pyrene	0.2	0.02	<1.0	<1.0
Benzo(b)fluoranthene	0.2	0.02	<1.0	<1.0
Benzo(g,h,i)perylene	NS	NS	<1.0	<1.0
Benzo(k)fluoranthene	NS	NS	<1.0	<1.0
Chrysene	0.2	0.02	<1.0	<1.0
Dibenz(a,h)anthracene	NS	NS	<1.0	<1.0
Fluoranthene	400	80	<1.0	<1.0
Fluorene	400	80	<1.0	<1.0
Indeno(1,2,3-cd)pyrene	NS	NS	<1.0	<1.0
Naphthalene	40	8	<1.0	<1.0
Phenanthrene	NS	NS	<1.0	<1.0
Pyrene	250	50	<1.0	<1.0

⁶ All concentrations in micrograms per liter or parts per billion, bbb.

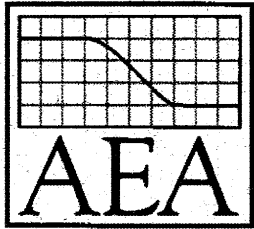


Table A.1
 Groundwater Analytical Table
 Groundwater Petroleum Aromatic Hydrocarbon Analytical Results⁷
 Lenny's Service and Towing
 1500 Rawson Avenue
 South Milwaukee, Wisconsin

Analyte	NR 140 Groundwater Standard		MW-16 4/14/2010	MW-16 9/9/2010
	ES	PAL		
Acenaphthene	NS	NS	<1.0	<1.0
Acenaphthylene	NS	NS	<1.0	<1.0
Anthracene	3,000	600	<1.0	<1.0
Benz(a)anthracene	NS	NS	<1.0	<1.0
Benzo(a)pyrene	0.2	0.02	<1.0	<1.0
Benzo(b)fluoranthene	0.2	0.02	<1.0	<1.0
Benzo(g,h,i)perylene	NS	NS	<1.0	<1.0
Benzo(k)fluoranthene	NS	NS	<1.0	<1.0
Chrysene	0.2	0.02	<1.0	<1.0
Dibenz(a,h)anthracene	NS	NS	<1.0	<1.0
Fluoranthene	400	80	<1.0	<1.0
Fluorene	400	80	<1.0	<1.0
Indeno(1,2,3-cd)pyrene	NS	NS	<1.0	<1.0
Naphthalene	40	8	<1.0	<1.0
Phenanthrene	NS	NS	<1.0	<1.0
Pyrene	250	50	<1.0	<1.0

⁷ All concentrations in micrograms per liter or parts per billion, bbb.

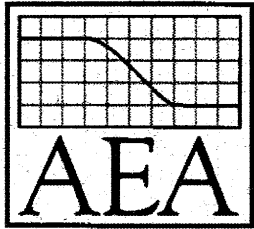


Table A.1
 Groundwater Analytical Table
 Groundwater Petroleum Aromatic Hydrocarbon Analytical Results⁸
 Lenny's Service and Towing
 1500 Rawson Avenue
 South Milwaukee, Wisconsin

Analyte	NR 140 Groundwater Standard		MW-17 4/14/2010
	ES	PAL	
Acenaphthene	NS	NS	<1.0
Acenaphthylene	NS	NS	1.2
Anthracene	3,000	600	<1.0
Benz(a)anthracene	NS	NS	<1.0
Benzo(a)pyrene	0.2	0.02	<1.0
Benzo(b)fluoranthene	0.2	0.02	<1.0
Benzo(g,h,i)perylene	NS	NS	<1.0
Benzo(k)fluoranthene	NS	NS	<1.0
Chrysene	0.2	0.02	<1.0
Dibenz(a,h)anthracene	NS	NS	<1.0
Fluoranthene	400	80	<1.0
Fluorene	400	80	1.2
Indeno(1,2,3-cd)pyrene	NS	NS	<1.0
Naphthalene	40	8	20
Phenanthrene	NS	NS	1.6
Pyrene	250	50	<1.0

⁸ All concentrations in micrograms per liter or parts per billion, bbb.

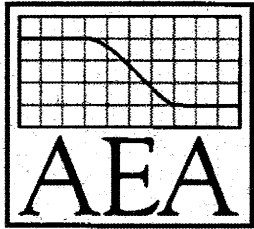


Table A.1
 Groundwater Analytical Table
 Groundwater Petroleum Aromatic Hydrocarbon Analytical Results⁹
 Lenny's Service and Towing
 1500 Rawson Avenue
 South Milwaukee, Wisconsin

Analyte	NR 140 Groundwater Standard		MW-18 4/14/2010	MW-18 9/9/2010	MW-18-2 4/14/2010
	ES	PAL			
Acenaphthene	NS	NS	<1.0	<1.0	<1.0
Acenaphthylene	NS	NS	<1.0	<1.0	<1.0
Anthracene	3,000	600	<1.0	<1.0	<1.0
Benz(a)anthracene	NS	NS	<1.0	<1.0	<1.0
Benzo(a)pyrene	0.2	0.02	<1.0	<1.0	<1.0
Benzo(b)fluoranthene	0.2	0.02	<1.0	<1.0	<1.0
Benzo(g,h,i)perylene	NS	NS	<1.0	<1.0	<1.0
Benzo(k)fluoranthene	NS	NS	<1.0	<1.0	<1.0
Chrysene	0.2	0.02	<1.0	<1.0	<1.0
Dibenz(a,h)anthracene	NS	NS	<1.0	<1.0	<1.0
Fluoranthene	400	80	<1.0	<1.0	<1.0
Fluorene	400	80	<1.0	<1.0	<1.0
Indeno(1,2,3-cd)pyrene	NS	NS	<1.0	<1.0	<1.0
Naphthalene	40	8	<1.0	<1.0	<1.0
Phenanthrene	NS	NS	<1.0	<1.0	<1.0
Pyrene	250	50	<1.0	<1.0	<1.0

⁹ All concentrations in micrograms per liter or parts per billion, bbb.

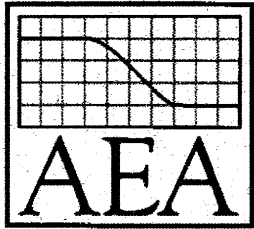


Table A.1
 Groundwater Analytical Table
 Groundwater Petroleum Aromatic Hydrocarbon Analytical Results¹⁰
 Lenny's Service and Towing
 1500 Rawson Avenue
 South Milwaukee, Wisconsin

Analyte	NR 140 Groundwater Standard		MW-19 4/14/2010
	ES	PAL	
Acenaphthene	NS	NS	< 50
Acenaphthylene	NS	NS	< 50
Anthracene	3,000	600	< 50
Benz(a)anthracene	NS	NS	< 50
Benzo(a)pyrene	0.2	0.02	< 50
Benzo(b)fluoranthene	0.2	0.02	< 50
Benzo(g,h,i)perylene	NS	NS	< 50
Benzo(k)fluoranthene	NS	NS	< 50
Chrysene	0.2	0.02	< 50
Dibenz(a,h)anthracene	NS	NS	< 50
Fluoranthene	400	80	< 50
Fluorene	400	80	< 50
Indeno(1,2,3-cd)pyrene	NS	NS	< 50
Naphthalene	40	8	140
Phenanthrene	NS	NS	78
Pyrene	250	50	< 50

¹⁰ All concentrations in micrograms per liter or parts per billion, bbb.

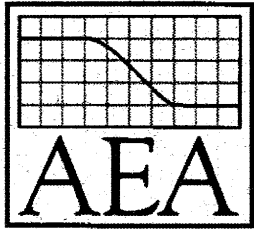


Table A.1
 Groundwater Analytical Table
 Groundwater Petroleum Aromatic Hydrocarbon Analytical Results¹¹
 Lenny's Service and Towing
 1500 Rawson Avenue
 South Milwaukee, Wisconsin

Analyte	NR 140 Groundwater Standard		MW-20 4/14/2010	MW-20 9/9/2010
	ES	PAL		
Acenaphthene	NS	NS	<1.0	<1.0
Acenaphthylene	NS	NS	1.1	<1.0
Anthracene	3,000	600	<1.0	<1.0
Benz(a)anthracene	NS	NS	<1.0	<1.0
Benzo(a)pyrene	0.2	0.02	<1.0	<1.0
Benzo(b)fluoranthene	0.2	0.02	<1.0	<1.0
Benzo(g,h,i)perylene	NS	NS	<1.0	<1.0
Benzo(k)fluoranthene	NS	NS	<1.0	<1.0
Chrysene	0.2	0.02	<1.0	<1.0
Dibenz(a,h)anthracene	NS	NS	<1.0	<1.0
Fluoranthene	400	80	<1.0	<1.0
Fluorene	400	80	1.4	<1.0
Indeno(1,2,3-cd)pyrene	NS	NS	<1.0	<1.0
Naphthalene	40	8	10	24
Phenanthrene	NS	NS	<1.0	26
Pyrene	250	50	<1.0	15

¹¹ All concentrations in micrograms per liter or parts per billion, bbb.

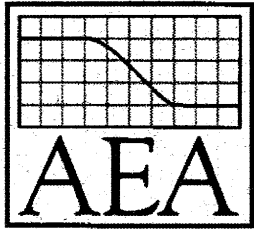


Table A.1
 Groundwater Analytical Table
 Groundwater Petroleum Aromatic Hydrocarbon Analytical Results¹²
 Lenny's Service and Towing
 1500 Rawson Avenue
 South Milwaukee, Wisconsin

Analyte	NR 140 Groundwater Standard		MW-23 9/09/2010
	ES	PAL	
Acenaphthene	NS	NS	< 1
Acenaphthylene	NS	NS	< 1
Anthracene	3,000	600	< 1
Benz(a)anthracene	NS	NS	< 1
Benzo(a)pyrene	0.2	0.02	< 1
Benzo(b)fluoranthene	0.2	0.02	< 1
Benzo(g,h,i)perylene	NS	NS	< 1
Benzo(k)fluoranthene	NS	NS	< 1
Chrysene	0.2	0.02	< 1
Dibenz(a,h)anthracene	NS	NS	< 1
Fluoranthene	400	80	< 1
Fluorene	400	80	< 1
Indeno(1,2,3-cd)pyrene	NS	NS	< 1
Naphthalene	40	8	< 1
Phenanthrene	NS	NS	< 1
Pyrene	250	50	< 1

¹² All concentrations in micrograms per liter or parts per billion, bbb.

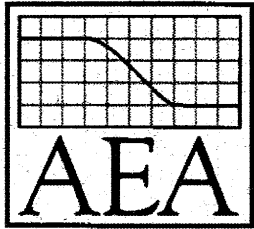


Table A.1
 Groundwater Analytical Table
 Groundwater Petroleum Aromatic Hydrocarbon Analytical Results¹³
 Lenny's Service and Towing
 1500 Rawson Avenue
 South Milwaukee, Wisconsin

Analyte	NR 140 Groundwater Standard		MW-24 9/09/2010
	ES	PAL	
Acenaphthene	NS	NS	< 1
Acenaphthylene	NS	NS	< 1
Anthracene	3,000	600	< 1
Benz(a)anthracene	NS	NS	< 1
Benzo(a)pyrene	0.2	0.02	< 1
Benzo(b)fluoranthene	0.2	0.02	< 1
Benzo(g,h,i)perylene	NS	NS	< 1
Benzo(k)fluoranthene	NS	NS	< 1
Chrysene	0.2	0.02	< 1
Dibenz(a,h)anthracene	NS	NS	< 1
Fluoranthene	400	80	< 1
Fluorene	400	80	< 1
Indeno(1,2,3-cd)pyrene	NS	NS	< 1
Naphthalene	40	8	< 1
Phenanthrene	NS	NS	< 1
Pyrene	250	50	< 1

¹³ All concentrations in micrograms per liter or parts per billion, bbb.

October 31, 2017

Assured Environmental Associates, Inc

Sample Delivery Group: L945733
Samples Received: 10/24/2017
Project Number:
Description:
Site: Lennys
Report To: Gregory Walsh
14120 West Glendale Avenue
Brookfield, WI 53005

Entire Report Reviewed By:



John Hawkins

Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



Cp: Cover Page	1	¹Cp
Tc: Table of Contents	2	
Ss: Sample Summary	3	²Tc
Cn: Case Narrative	4	
Sr: Sample Results	5	³Ss
MW-15 L945733-01	5	
MW-16 L945733-02	6	⁴Cn
MW-23 L945733-03	7	⁵Sr
MW-24 L945733-04	8	
MW-26 L945733-05	9	⁶Qc
Qc: Quality Control Summary	10	⁷Gl
Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO	10	
Gl: Glossary of Terms	12	⁸Al
Al: Accreditations & Locations	13	
Sc: Sample Chain of Custody	14	⁹Sc

SAMPLE SUMMARY



MW-15 L945733-01 GW

Collected by
Michael A. Goy

Collected date/time
10/21/17 15:30

Received date/time
10/24/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO	WG1035075	1	10/25/17 07:52	10/25/17 07:52	ACG

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

MW-16 L945733-02 GW

Collected by
Michael A. Goy

Collected date/time
10/21/17 16:00

Received date/time
10/24/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO	WG1035075	1	10/25/17 06:18	10/25/17 06:18	ACG

MW-23 L945733-03 GW

Collected by
Michael A. Goy

Collected date/time
10/23/17 12:30

Received date/time
10/24/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method 8021B	WG1035075	1	10/25/17 06:42	10/25/17 06:42	ACG
Volatile Organic Compounds (GC) by Method WI(95) GRO	WG1035075	25	10/26/17 08:35	10/26/17 08:35	BMB

MW-24 L945733-04 GW

Collected by
Michael A. Goy

Collected date/time
10/23/17 12:45

Received date/time
10/24/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method 8021B	WG1035075	1	10/25/17 07:05	10/25/17 07:05	ACG
Volatile Organic Compounds (GC) by Method WI(95) GRO	WG1035075	1	10/26/17 08:59	10/26/17 08:59	BMB

MW-26 L945733-05 GW

Collected by
Michael A. Goy

Collected date/time
10/21/17 16:20

Received date/time
10/24/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO	WG1035075	1	10/25/17 07:29	10/25/17 07:29	ACG



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

John Hawkins
Technical Service Representative

- ¹ Cp
- ² Tc
- ³ Ss
- ⁴ Cn
- ⁵ Sr
- ⁶ Qc
- ⁷ Gl
- ⁸ Al
- ⁹ Sc



Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0700	0.233	1	10/25/2017 07:52	WG1035075
Toluene	U		0.412	1.37	1	10/25/2017 07:52	WG1035075
Ethylbenzene	U		0.120	0.400	1	10/25/2017 07:52	WG1035075
m&p-Xylene	U		0.121	0.403	1	10/25/2017 07:52	WG1035075
o-Xylene	U		0.104	0.347	1	10/25/2017 07:52	WG1035075
Methyl tert-butyl ether	U		0.252	0.840	1	10/25/2017 07:52	WG1035075
Naphthalene	U		0.221	0.737	1	10/25/2017 07:52	WG1035075
1,3,5-Trimethylbenzene	U		0.0790	0.263	1	10/25/2017 07:52	WG1035075
1,2,4-Trimethylbenzene	U		0.0930	0.310	1	10/25/2017 07:52	WG1035075
TPH (GC/FID) Low Fraction	33.8	<u>J J6</u>	15.0	50.0	1	10/25/2017 07:52	WG1035075
(S) a,a,a-Trifluorotoluene(PID)	101			80.0-200		10/25/2017 07:52	WG1035075

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	0.102	J	0.0700	0.233	1	10/25/2017 06:18	WG1035075
Toluene	U		0.412	1.37	1	10/25/2017 06:18	WG1035075
Ethylbenzene	U		0.120	0.400	1	10/25/2017 06:18	WG1035075
m&p-Xylene	U		0.121	0.403	1	10/25/2017 06:18	WG1035075
o-Xylene	U		0.104	0.347	1	10/25/2017 06:18	WG1035075
Methyl tert-butyl ether	U		0.252	0.840	1	10/25/2017 06:18	WG1035075
Naphthalene	U		0.221	0.737	1	10/25/2017 06:18	WG1035075
1,3,5-Trimethylbenzene	U		0.0790	0.263	1	10/25/2017 06:18	WG1035075
1,2,4-Trimethylbenzene	0.108	J	0.0930	0.310	1	10/25/2017 06:18	WG1035075
TPH (GC/FID) Low Fraction	U		15.0	50.0	1	10/25/2017 06:18	WG1035075
(S) a,a,a-Trifluorotoluene(PID)	102			80.0-200		10/25/2017 06:18	WG1035075

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	2.84		0.0700	0.233	1	10/25/2017 06:42	WG1035075
Toluene	15.7		0.412	1.37	1	10/25/2017 06:42	WG1035075
Ethylbenzene	35.3		0.120	0.400	1	10/25/2017 06:42	WG1035075
m&p-Xylene	37.3		0.121	0.403	1	10/25/2017 06:42	WG1035075
o-Xylene	2.90		0.104	0.347	1	10/25/2017 06:42	WG1035075
Methyl tert-butyl ether	1.92		0.252	0.840	1	10/25/2017 06:42	WG1035075
Naphthalene	18.2		0.221	0.737	1	10/25/2017 06:42	WG1035075
1,3,5-Trimethylbenzene	60.4		0.0790	0.263	1	10/25/2017 06:42	WG1035075
1,2,4-Trimethylbenzene	58.0		0.0930	0.310	1	10/25/2017 06:42	WG1035075
TPH (GC/FID) Low Fraction	8240		375	1250	25	10/26/2017 08:35	WG1035075
(S) a,a,a-Trifluorotoluene(PID)	131			80.0-200		10/25/2017 06:42	WG1035075
(S) a,a,a-Trifluorotoluene(PID)	104			80.0-200		10/26/2017 08:35	WG1035075

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0700	0.233	1	10/25/2017 07:05	WG1035075
Toluene	U		0.412	1.37	1	10/25/2017 07:05	WG1035075
Ethylbenzene	U		0.120	0.400	1	10/25/2017 07:05	WG1035075
m&p-Xylene	U		0.121	0.403	1	10/25/2017 07:05	WG1035075
o-Xylene	U		0.104	0.347	1	10/25/2017 07:05	WG1035075
Methyl tert-butyl ether	U		0.252	0.840	1	10/25/2017 07:05	WG1035075
Naphthalene	0.962	<u>B</u>	0.221	0.737	1	10/25/2017 07:05	WG1035075
1,3,5-Trimethylbenzene	U		0.0790	0.263	1	10/25/2017 07:05	WG1035075
1,2,4-Trimethylbenzene	0.459		0.0930	0.310	1	10/25/2017 07:05	WG1035075
TPH (GC/FID) Low Fraction	52.3		15.0	50.0	1	10/26/2017 08:59	WG1035075
(S) a,a,a-Trifluorotoluene(PID)	101			80.0-200		10/25/2017 07:05	WG1035075
(S) a,a,a-Trifluorotoluene(PID)	102			80.0-200		10/26/2017 08:59	WG1035075

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	0.824		0.0700	0.233	1	10/25/2017 07:29	WG1035075
Toluene	0.510	<u>J</u>	0.412	1.37	1	10/25/2017 07:29	WG1035075
Ethylbenzene	9.98		0.120	0.400	1	10/25/2017 07:29	WG1035075
m&p-Xylene	0.343	<u>B J</u>	0.121	0.403	1	10/25/2017 07:29	WG1035075
o-Xylene	0.619		0.104	0.347	1	10/25/2017 07:29	WG1035075
Methyl tert-butyl ether	1.08		0.252	0.840	1	10/25/2017 07:29	WG1035075
Naphthalene	2.06	<u>B</u>	0.221	0.737	1	10/25/2017 07:29	WG1035075
1,3,5-Trimethylbenzene	U		0.0790	0.263	1	10/25/2017 07:29	WG1035075
1,2,4-Trimethylbenzene	0.375		0.0930	0.310	1	10/25/2017 07:29	WG1035075
TPH (GC/FID) Low Fraction	723		15.0	50.0	1	10/25/2017 07:29	WG1035075
(S) <i>a,a,a</i> -Trifluorotoluene(PID)	115			80.0-200		10/25/2017 07:29	WG1035075

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Method Blank (MB)

(MB) R3260358-3 10/24/17 23:13

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Benzene	U		0.0700	0.233
Toluene	U		0.412	1.37
Ethylbenzene	U		0.120	0.400
m&p-Xylene	0.154	↓	0.121	0.403
o-Xylene	U		0.104	0.347
Methyl tert-butyl ether	U		0.252	0.840
Naphthalene	0.249	↓	0.221	0.737
1,3,5-Trimethylbenzene	U		0.0790	0.263
1,2,4-Trimethylbenzene	U		0.0930	0.310
TPH (GC/FID) Low Fraction	U		15.0	50.0
(S) a,a,a-Trifluorotoluene(PID)	103			80.0-200

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3260358-1 10/24/17 22:26 • (LCSD) R3260358-8 10/25/17 10:18

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Benzene	50.0	51.5	47.0	103	94.1	80.0-120			9.14	20
Toluene	50.0	51.5	47.4	103	94.8	80.0-120			8.32	20
Ethylbenzene	50.0	53.3	48.8	107	97.7	80.0-120			8.66	20
m&p-Xylene	100	108	100	108	100	80.0-120			6.93	20
o-Xylene	50.0	54.4	50.6	109	101	80.0-120			7.29	20
Methyl tert-butyl ether	50.0	49.0	46.1	98.1	92.2	80.0-120			6.11	20
Naphthalene	50.0	49.9	48.9	99.9	97.8	80.0-120			2.10	20
1,3,5-Trimethylbenzene	50.0	55.5	50.7	111	101	80.0-120			9.00	20
1,2,4-Trimethylbenzene	50.0	55.0	50.3	110	101	80.0-120			8.83	20
(S) a,a,a-Trifluorotoluene(PID)				99.8	99.6	80.0-200				

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3260358-2 10/24/17 22:26 • (LCSD) R3260358-9 10/25/17 10:18

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
TPH (GC/FID) Low Fraction	550	570	537	104	97.6	80.0-120			5.95	20
(S) a,a,a-Trifluorotoluene(PID)				99.8	99.6	80.0-200				



L945733-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L945733-01 10/25/17 07:52 • (MS) R3260358-4 10/25/17 08:16 • (MSD) R3260358-6 10/25/17 08:39

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	50.0	U	32.2	33.4	64.4	66.9	1	35.0-147			3.73	20
Toluene	50.0	U	34.6	35.9	69.2	71.8	1	35.0-148			3.62	20
Ethylbenzene	50.0	U	40.3	41.8	80.5	83.6	1	39.0-141			3.76	20
m&p-Xylene	100	U	84.5	87.6	84.5	87.6	1	26.0-157			3.57	20
o-Xylene	50.0	U	43.6	45.0	87.2	90.1	1	40.0-145			3.24	20
Methyl tert-butyl ether	50.0	U	39.9	42.7	79.8	85.4	1	37.0-147			6.76	20
Naphthalene	50.0	U	47.4	52.1	94.8	104	1	80.0-120			9.39	20
1,3,5-Trimethylbenzene	50.0	U	45.2	46.8	90.5	93.6	1	80.0-120			3.38	20
1,2,4-Trimethylbenzene	50.0	U	46.7	48.2	93.4	96.3	1	80.0-120			3.12	20
(S) a,a,a-Trifluorotoluene(PID)					99.3	99.7		80.0-200				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L945733-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L945733-01 10/25/17 07:52 • (MS) R3260358-5 10/25/17 08:16 • (MSD) R3260358-7 10/25/17 08:39

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	550	33.8	443	453	74.5	76.3	1	80.0-120	J6	J6	2.24	20
(S) a,a,a-Trifluorotoluene(PID)					99.3	99.7		80.0-200				



Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.



ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE**.
 * Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Connecticut	PH-0197	North Carolina ¹	DW21704
Florida	E87487	North Carolina ²	41
Georgia	NELAP	North Dakota	R-140
Georgia ¹	923	Ohio–VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky ¹	90010	South Dakota	n/a
Kentucky ²	16	Tennessee ¹⁴	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

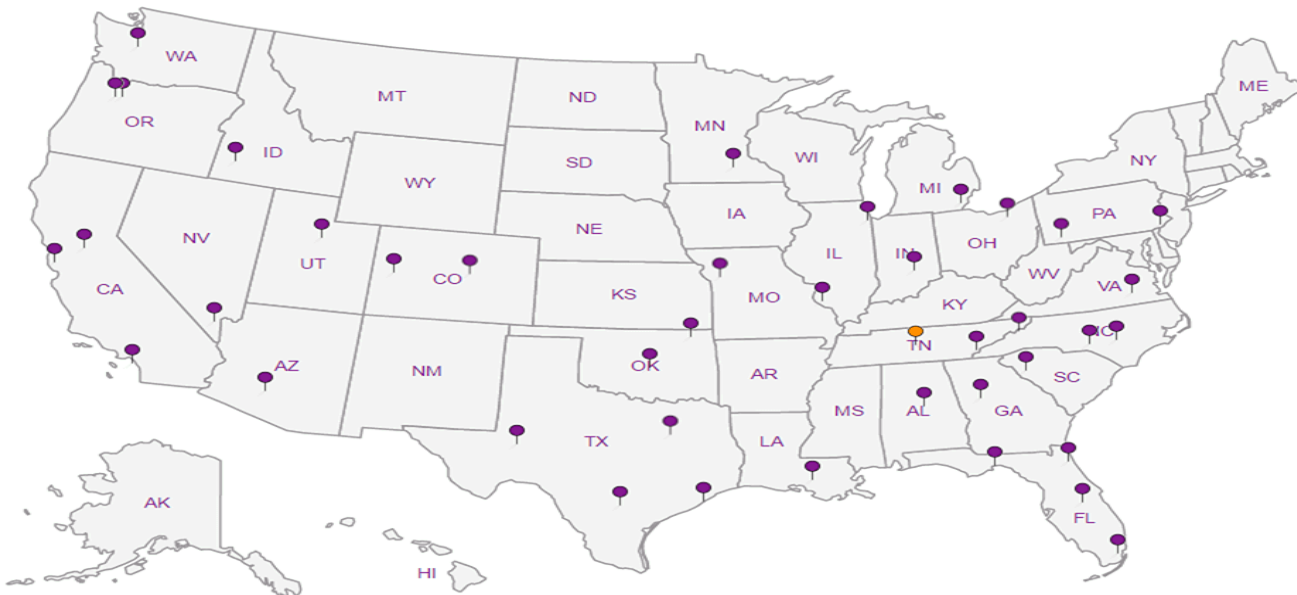
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ^{n/a} Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



Assured Environmental Associates, Inc

14120 West Glendale Avenue

Report to:
Gregory Walsh

Project Description:

Phone: **262-781-4646**
Fax:

Client Project #

City/State Collected:

Lab Project #
ASSUREDWI-LENNYS

Collected by (print):
MICHAEL A. GOY

Site/Facility ID #
Lennys

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)

Quote #

- Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day

Date Results Needed

Immediate Packed on Ice N Y X

No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
MW-15		GW		21 OCT 17	1530 hrs	2
MW-16		GW		21 OCT 17	1600 hrs	2
MW-17		GW				2
MW-23		GW		23 OCT 17	1230 hrs	2
MW-24		GW		23 OCT 17	1245 hrs	2
MW-26		GW		21 OCT 17	1620 hrs	2

PVOCGRO 40ml Amb HCl

Billing Information:

Gregory Walsh
14120 West Glendale Avenue
Brookfield, WI 53005

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page ___ of ___



A-E SCIENCE INC
a subsidiary of *Rockwell*

12055 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



L# **1945733**

B154

Acctnum: ASSUREDWI

Template: T129046

Prelogin: P623044

TSR: 341 - John Hawkins

PB: 10/16/17 MB

Shipped Via: FedEX Ground

Remarks Sample # (lab only)

-01
 -02
 -03
 -04
 -05

- * Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - Waste Water
 DW - Drinking Water
 OT - Other

Remarks:

Samples returned via:
 UPS FedEx Courier

Tracking # **7479 0940 1021**

pH _____ Temp _____

Flow _____ Other _____

Sample Receipt Checklist

- COC Seal Present/Intact: Y N
 COC Signed/Accurate: Y N
 Bottles arrive intact: Y N
 Correct bottles used: Y N
 Sufficient volume sent: Y N
 If Applicable
 VOA Zero Headspace: Y N
 Preservation Correct/Checked: Y N

Relinquished by: (Signature)

Date: **23 OCT 17**
Time: **1600 hrs**

Received by: (Signature)

Trip Blank Received: Yes No
 HCl / MeOH
 TBR

Relinquished by: (Signature)

Date: _____ Time: _____

Received by: (Signature)

Temp: **4.9** °C Bottles Received: **10**

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date: _____ Time: _____

Received for lab by: (Signature)

Date: **10/24/17** Time: **0845**

Hold:

Condition:
NCF / OK

February 19, 2018

Assured Environmental Associates, Inc

Sample Delivery Group: L969164
Samples Received: 02/09/2018
Project Number:
Description: 1500 Rawson Ave. So. MKW
Site: Lennys
Report To: Gregory Walsh
14120 West Glendale Avenue
Brookfield, WI 53005

Entire Report Reviewed By:












John Hawkins

Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



Cp: Cover Page	1	
Tc: Table of Contents	2	
Ss: Sample Summary	3	
Cn: Case Narrative	4	
Sr: Sample Results	5	
MW-15 L969164-01	5	
MW-16 L969164-02	6	
MW-23 L969164-03	7	
MW-24 L969164-04	8	
MW-26 L969164-05	9	
TRIP BLANK L969164-06	10	
MW-24D L969164-07	11	
MW-17 L969164-08	12	
Qc: Quality Control Summary	13	
Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO	13	
Gl: Glossary of Terms	15	
Al: Accreditations & Locations	16	
Sc: Sample Chain of Custody	17	

SAMPLE SUMMARY



MW-15 L969164-01 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Collected by Michael Goy				Collected date/time 02/07/18 10:00	Received date/time 02/09/18 08:45
Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO	WG1072111	1	02/09/18 23:43	02/09/18 23:43	LRL

1
Cp

2
Tc

3
Ss

MW-16 L969164-02 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Collected by Michael Goy				Collected date/time 02/07/18 10:00	Received date/time 02/09/18 08:45
Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO	WG1072111	1	02/11/18 22:59	02/11/18 22:59	JAH

4
Cn

5
Sr

MW-23 L969164-03 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Collected by Michael Goy				Collected date/time 02/07/18 10:00	Received date/time 02/09/18 08:45
Volatile Organic Compounds (GC) by Method 8021B	WG1072111	10	02/10/18 00:30	02/10/18 00:30	LRL
Volatile Organic Compounds (GC) by Method WI(95) GRO	WG1072111	100	02/16/18 11:10	02/16/18 11:10	JAH

6
Qc

7
Gl

8
Al

MW-24 L969164-04 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Collected by Michael Goy				Collected date/time 02/07/18 10:00	Received date/time 02/09/18 08:45
Volatile Organic Compounds (GC) by Method 8021B	WG1072111	1	02/10/18 02:04	02/10/18 02:04	LRL
Volatile Organic Compounds (GC) by Method WI(95) GRO	WG1072111	1	02/11/18 23:46	02/11/18 23:46	JAH

9
Sc

MW-26 L969164-05 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Collected by Michael Goy				Collected date/time 02/07/18 10:00	Received date/time 02/09/18 08:45
Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO	WG1072111	1	02/12/18 00:10	02/12/18 00:10	JAH

TRIP BLANK L969164-06 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Collected by Michael Goy				Collected date/time 02/07/18 10:00	Received date/time 02/09/18 08:45
Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO	WG1072111	1	02/09/18 20:58	02/09/18 20:58	LRL

MW-24D L969164-07 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Collected by Michael Goy				Collected date/time 02/07/18 10:00	Received date/time 02/09/18 08:45
Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO	WG1072111	1	02/12/18 00:34	02/12/18 00:34	JAH

MW-17 L969164-08 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Collected by Michael Goy				Collected date/time 02/07/18 10:00	Received date/time 02/09/18 08:45
Volatile Organic Compounds (GC) by Method 8021B	WG1072111	50	02/10/18 01:40	02/10/18 01:40	LRL
Volatile Organic Compounds (GC) by Method WI(95) GRO	WG1072111	200	02/12/18 00:57	02/12/18 00:57	JAH



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

John Hawkins
Technical Service Representative

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	0.0875	<u>BJ</u>	0.0700	0.233	1	02/09/2018 23:43	WG1072111
Toluene	U		0.412	1.37	1	02/09/2018 23:43	WG1072111
Ethylbenzene	U		0.120	0.400	1	02/09/2018 23:43	WG1072111
m&p-Xylene	U		0.121	0.403	1	02/09/2018 23:43	WG1072111
o-Xylene	U		0.104	0.347	1	02/09/2018 23:43	WG1072111
Methyl tert-butyl ether	U		0.252	0.840	1	02/09/2018 23:43	WG1072111
Naphthalene	U		0.221	0.737	1	02/09/2018 23:43	WG1072111
1,3,5-Trimethylbenzene	U		0.0790	0.263	1	02/09/2018 23:43	WG1072111
1,2,4-Trimethylbenzene	U		0.0930	0.310	1	02/09/2018 23:43	WG1072111
TPH (GC/FID) Low Fraction	U		15.0	50.0	1	02/09/2018 23:43	WG1072111
(S) a,a,a-Trifluorotoluene(PID)	101			80.0-200		02/09/2018 23:43	WG1072111

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	0.155	<u>B</u> <u>J</u>	0.0700	0.233	1	02/11/2018 22:59	WG1072111
Toluene	U		0.412	1.37	1	02/11/2018 22:59	WG1072111
Ethylbenzene	0.537		0.120	0.400	1	02/11/2018 22:59	WG1072111
m&p-Xylene	0.760		0.121	0.403	1	02/11/2018 22:59	WG1072111
o-Xylene	0.289	<u>J</u>	0.104	0.347	1	02/11/2018 22:59	WG1072111
Methyl tert-butyl ether	U		0.252	0.840	1	02/11/2018 22:59	WG1072111
Naphthalene	2.35	<u>B</u>	0.221	0.737	1	02/11/2018 22:59	WG1072111
1,3,5-Trimethylbenzene	0.137	<u>J</u>	0.0790	0.263	1	02/11/2018 22:59	WG1072111
1,2,4-Trimethylbenzene	0.537		0.0930	0.310	1	02/11/2018 22:59	WG1072111
TPH (GC/FID) Low Fraction	42.6	<u>J</u>	15.0	50.0	1	02/11/2018 22:59	WG1072111
(S) a,a,a-Trifluorotoluene(PID)	128			80.0-200		02/11/2018 22:59	WG1072111

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Benzene	14.5		0.700	2.33	10	02/10/2018 00:30	WG1072111
Toluene	U		4.12	13.7	10	02/10/2018 00:30	WG1072111
Ethylbenzene	72.7		1.20	4.00	10	02/10/2018 00:30	WG1072111
m&p-Xylene	18.5		1.21	4.03	10	02/10/2018 00:30	WG1072111
o-Xylene	7.38		1.04	3.47	10	02/10/2018 00:30	WG1072111
Methyl tert-butyl ether	10.8		2.52	8.40	10	02/10/2018 00:30	WG1072111
Naphthalene	U		2.21	7.37	10	02/10/2018 00:30	WG1072111
1,3,5-Trimethylbenzene	U		0.790	2.63	10	02/10/2018 00:30	WG1072111
1,2,4-Trimethylbenzene	203		0.930	3.10	10	02/10/2018 00:30	WG1072111
TPH (GC/FID) Low Fraction	43700		1500	5000	100	02/16/2018 11:10	WG1072111
(S) a,a,a-Trifluorotoluene(PID)	115			80.0-200		02/10/2018 00:30	WG1072111
(S) a,a,a-Trifluorotoluene(PID)	103			80.0-200		02/16/2018 11:10	WG1072111

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0700	0.233	1	02/10/2018 02:04	WG1072111
Toluene	U		0.412	1.37	1	02/10/2018 02:04	WG1072111
Ethylbenzene	U		0.120	0.400	1	02/10/2018 02:04	WG1072111
m&p-Xylene	U		0.121	0.403	1	02/10/2018 02:04	WG1072111
o-Xylene	U		0.104	0.347	1	02/10/2018 02:04	WG1072111
Methyl tert-butyl ether	U		0.252	0.840	1	02/10/2018 02:04	WG1072111
Naphthalene	U		0.221	0.737	1	02/10/2018 02:04	WG1072111
1,3,5-Trimethylbenzene	U		0.0790	0.263	1	02/10/2018 02:04	WG1072111
1,2,4-Trimethylbenzene	0.118	J	0.0930	0.310	1	02/10/2018 02:04	WG1072111
TPH (GC/FID) Low Fraction	62.6		15.0	50.0	1	02/11/2018 23:46	WG1072111
(S) a,a,a-Trifluorotoluene(PID)	101			80.0-200		02/11/2018 23:46	WG1072111
(S) a,a,a-Trifluorotoluene(PID)	99.7			80.0-200		02/10/2018 02:04	WG1072111

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	0.178	<u>BJ</u>	0.0700	0.233	1	02/12/2018 00:10	WG1072111
Toluene	U		0.412	1.37	1	02/12/2018 00:10	WG1072111
Ethylbenzene	0.286	<u>J</u>	0.120	0.400	1	02/12/2018 00:10	WG1072111
m&p-Xylene	U		0.121	0.403	1	02/12/2018 00:10	WG1072111
o-Xylene	U		0.104	0.347	1	02/12/2018 00:10	WG1072111
Methyl tert-butyl ether	U		0.252	0.840	1	02/12/2018 00:10	WG1072111
Naphthalene	U		0.221	0.737	1	02/12/2018 00:10	WG1072111
1,3,5-Trimethylbenzene	U		0.0790	0.263	1	02/12/2018 00:10	WG1072111
1,2,4-Trimethylbenzene	1.13		0.0930	0.310	1	02/12/2018 00:10	WG1072111
TPH (GC/FID) Low Fraction	358		15.0	50.0	1	02/12/2018 00:10	WG1072111
(S) a,a,a-Trifluorotoluene(PID)	103			80.0-200		02/12/2018 00:10	WG1072111

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	0.0830	<u>BJ</u>	0.0700	0.233	1	02/09/2018 20:58	WG1072111
Toluene	U		0.412	1.37	1	02/09/2018 20:58	WG1072111
Ethylbenzene	U		0.120	0.400	1	02/09/2018 20:58	WG1072111
m&p-Xylene	0.179	<u>J</u>	0.121	0.403	1	02/09/2018 20:58	WG1072111
o-Xylene	U		0.104	0.347	1	02/09/2018 20:58	WG1072111
Methyl tert-butyl ether	U		0.252	0.840	1	02/09/2018 20:58	WG1072111
Naphthalene	0.457	<u>BJ</u>	0.221	0.737	1	02/09/2018 20:58	WG1072111
1,3,5-Trimethylbenzene	U		0.0790	0.263	1	02/09/2018 20:58	WG1072111
1,2,4-Trimethylbenzene	U		0.0930	0.310	1	02/09/2018 20:58	WG1072111
TPH (GC/FID) Low Fraction	U		15.0	50.0	1	02/09/2018 20:58	WG1072111
(S) a,a,a-Trifluorotoluene(PID)	102			80.0-200		02/09/2018 20:58	WG1072111

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0700	0.233	1	02/12/2018 00:34	WG1072111
Toluene	U		0.412	1.37	1	02/12/2018 00:34	WG1072111
Ethylbenzene	0.298	J	0.120	0.400	1	02/12/2018 00:34	WG1072111
m&p-Xylene	0.307	J	0.121	0.403	1	02/12/2018 00:34	WG1072111
o-Xylene	U		0.104	0.347	1	02/12/2018 00:34	WG1072111
Methyl tert-butyl ether	U		0.252	0.840	1	02/12/2018 00:34	WG1072111
Naphthalene	U		0.221	0.737	1	02/12/2018 00:34	WG1072111
1,3,5-Trimethylbenzene	U		0.0790	0.263	1	02/12/2018 00:34	WG1072111
1,2,4-Trimethylbenzene	U		0.0930	0.310	1	02/12/2018 00:34	WG1072111
TPH (GC/FID) Low Fraction	46.2	J	15.0	50.0	1	02/12/2018 00:34	WG1072111
(S) a,a,a-Trifluorotoluene(PID)	101			80.0-200		02/12/2018 00:34	WG1072111

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Benzene	9.61	<u>B</u> <u>J</u>	3.50	11.7	50	02/10/2018 01:40	WG1072111
Toluene	U		20.6	68.5	50	02/10/2018 01:40	WG1072111
Ethylbenzene	114		6.00	20.0	50	02/10/2018 01:40	WG1072111
m&p-Xylene	30.1		6.05	20.2	50	02/10/2018 01:40	WG1072111
o-Xylene	23.6		5.20	17.4	50	02/10/2018 01:40	WG1072111
Methyl tert-butyl ether	12.9	<u>J</u>	12.6	42.0	50	02/10/2018 01:40	WG1072111
Naphthalene	U		11.0	36.9	50	02/10/2018 01:40	WG1072111
1,3,5-Trimethylbenzene	117		3.95	13.2	50	02/10/2018 01:40	WG1072111
1,2,4-Trimethylbenzene	883		4.65	15.5	50	02/10/2018 01:40	WG1072111
TPH (GC/FID) Low Fraction	335000		3000	10000	200	02/12/2018 00:57	WG1072111
(S) a,a,a-Trifluorotoluene(PID)	102			80.0-200		02/10/2018 01:40	WG1072111
(S) a,a,a-Trifluorotoluene(PID)	102			80.0-200		02/12/2018 00:57	WG1072111

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Method Blank (MB)

(MB) R3285393-3 02/09/18 19:45

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Benzene	0.0826	↓	0.0700	0.233
Toluene	U		0.412	1.37
Ethylbenzene	U		0.120	0.400
m&p-Xylene	U		0.121	0.403
o-Xylene	U		0.104	0.347
Methyl tert-butyl ether	U		0.252	0.840
Naphthalene	0.404	↓	0.221	0.737
1,3,5-Trimethylbenzene	U		0.0790	0.263
1,2,4-Trimethylbenzene	U		0.0930	0.310
TPH (GC/FID) Low Fraction	U		15.0	50.0
^(S) a,a,a-Trifluorotoluene(PID)	102			80.0-200

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3285393-1 02/09/18 18:58 • (LCSD) R3285393-8 02/10/18 03:38

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
TPH (GC/FID) Low Fraction	550	509	527	92.5	95.8	80.0-120			3.48	20
^(S) a,a,a-Trifluorotoluene(PID)				99.6	98.5	80.0-200				

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3285393-2 02/09/18 18:58 • (LCSD) R3285393-9 02/10/18 03:38

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Benzene	50.0	49.1	48.5	98.1	97.0	80.0-120			1.19	20
Toluene	50.0	48.2	47.7	96.4	95.3	80.0-120			1.09	20
Ethylbenzene	50.0	49.6	49.1	99.3	98.2	80.0-120			1.08	20
m&p-Xylene	100	101	101	101	101	80.0-120			0.200	20
o-Xylene	50.0	50.9	51.0	102	102	80.0-120			0.278	20
Methyl tert-butyl ether	50.0	47.5	46.1	94.9	92.2	80.0-120			2.99	20
Naphthalene	50.0	44.8	43.7	89.5	87.4	80.0-120			2.36	20
1,3,5-Trimethylbenzene	50.0	50.4	50.2	101	100	80.0-120			0.488	20
1,2,4-Trimethylbenzene	50.0	50.5	50.1	101	100	80.0-120			0.768	20
^(S) a,a,a-Trifluorotoluene(PID)				99.6	98.5	80.0-200				



L969164-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L969164-04 02/10/18 02:04 • (MS) R3285393-4 02/10/18 02:27 • (MSD) R3285393-6 02/10/18 02:51

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	550	77.0	429	421	64.0	62.5	1	80.0-120	<u>J6</u>	<u>J6</u>	1.95	20
(S) a,a,a-Trifluorotoluene(PID)					98.0	99.0		80.0-200				

1 Cp

2 Tc

3 Ss

4 Cn

L969164-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L969164-04 02/10/18 02:04 • (MS) R3285393-5 02/10/18 02:27 • (MSD) R3285393-7 02/10/18 02:51

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	50.0	U	31.0	31.8	62.0	63.7	1	35.0-147			2.75	20
Toluene	50.0	U	32.5	33.5	65.0	66.9	1	35.0-148			2.90	20
Ethylbenzene	50.0	U	36.9	38.0	73.7	76.0	1	39.0-141			3.02	20
m&p-Xylene	100	U	77.2	79.6	77.2	79.6	1	26.0-157			2.99	20
o-Xylene	50.0	U	40.2	41.3	80.5	82.6	1	40.0-145			2.64	20
Methyl tert-butyl ether	50.0	U	41.2	42.1	82.4	84.1	1	37.0-147			2.07	20
Naphthalene	50.0	U	43.8	43.8	87.6	87.6	1	80.0-120			0.0427	20
1,3,5-Trimethylbenzene	50.0	U	40.6	41.9	81.2	83.7	1	80.0-120			3.05	20
1,2,4-Trimethylbenzene	50.0	0.118	41.5	42.9	82.7	85.5	1	80.0-120			3.32	20
(S) a,a,a-Trifluorotoluene(PID)					98.0	99.0		80.0-200				

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.



ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
 * Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey-NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Connecticut	PH-0197	North Carolina ¹	DW21704
Florida	E87487	North Carolina ²	41
Georgia	NELAP	North Dakota	R-140
Georgia ¹	923	Ohio-VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky ¹	90010	South Dakota	n/a
Kentucky ²	16	Tennessee ^{1,4}	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

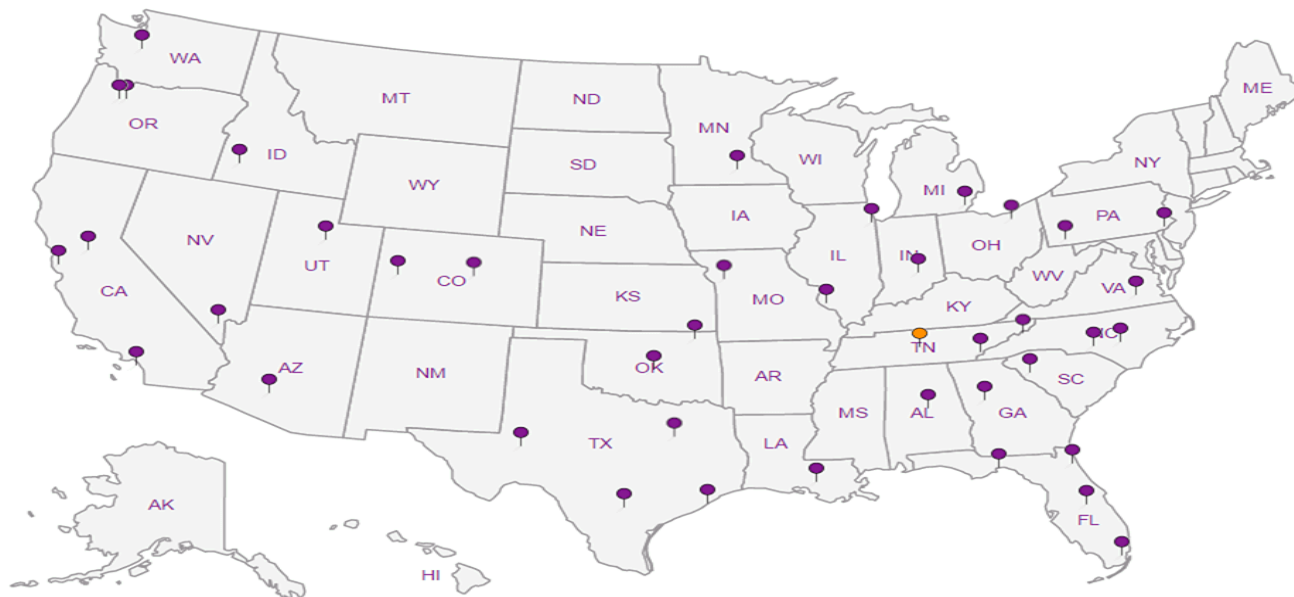
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA-Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold n/a Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



1 Cp

2 Tc

3 Ss

4 Cn


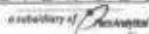
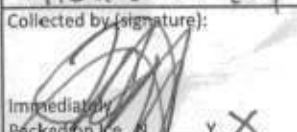
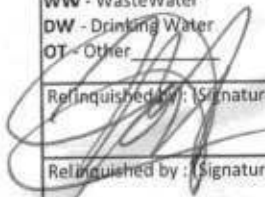
5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Assured Environmental Associates, Inc 14120 West Glendale Avenue		Billing Information: Gregory Walsh 14120 West Glendale Avenue Brookfield, WI 53005		Pres Chk		Analysis / Container / Preservative										Chain of Custody Page ___ of ___			
Report to: Gregory Walsh		Email To: aea@wi.rr.com														 a subsidiary of  12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859			
Project Description: 500 RAWSON AVE, So. MILWAUKEE WI		City/State Collected: So. MILWAUKEE WI														L# 969164			
Phone: 262-781-4646 Fax:		Client Project #		Lab Project # ASSUREDWI-LENNYS												Ta A048			
Collected by (print): MICHAEL GOY		Site/Facility ID # Lennys		P.O. #												Acctnum: ASSUREDWI Template: T113432			
Collected by (signature): 		Rush? (Lab MUST Be Notified) <input type="checkbox"/> Same Day <input type="checkbox"/> Five Day <input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only) <input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only) <input type="checkbox"/> Three Day		Quote #												Prelogin: P636122 TSR: 341 - John Hawkins			
Immediately Packed on Ice: <input type="checkbox"/> N <input checked="" type="checkbox"/> Y		Date Results Needed		No. of Cntrs												PB: JB 1-22-18			
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	PVOCGRO 40mlAmb HCl										Shipped Via: FedEX Ground	
MW-15		GW	GW	07 FEB 18	1000 hrs	2	X											Remarks: 01	
MW-16		GW	GW	07 FEB 18	1000 hrs	2	X											-02	
MW-23		GW	GW	07 FEB 18	1000 hrs	2	X											-03	
MW-24		GW	GW	07 FEB 18	1000 hrs	2	X											-04	
MW-26		GW	GW	07 FEB 18	1000 hrs	2	X											-05	
TRIP BLANK		GW	GW	-	-	2	X											-06	
MW-24D		GW	GW	07 FEB 18	1000 hrs	2	X											-07	
MW-17		GW	GW	07 FEB 18	1000 hrs	2	X											-08	
GW		GW	GW	-	-	1	X												
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks:		Samples returned via: <input checked="" type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier		Tracking # 4142 5234 1178												Sample Receipt Checklist COC Seal Present/Intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N COC Signed/Accurate: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Bottles arrive intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Correct bottles used: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Sufficient volume sent: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N If Applicable VOA Zero Headspace: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Preservation Correct/Checked: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
Relinquished by: (Signature) 		Date: 08 FEB 18	Time: 1530 hrs	Received by: (Signature)		Trip Blank Received: <input checked="" type="checkbox"/> Yes / No 2 <input checked="" type="checkbox"/> BSL / MeoH TBR												If preservation required by Login: Date/Time	
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)		Temp: 5.6 °C 13												Hold:	
Relinquished by: (Signature)		Date:	Time:	Received for lab by: (Signature) John 3/5		Date: 2/9/18 Time: 054												Condition: <input checked="" type="checkbox"/> NSF / <input type="checkbox"/> OK	

Ian White

FSC Lab Sciences
Non-Conformance Form

Login #: L969164	Client: ASSUREDWI	Date: 02/09/18	Evaluated by: Ian White
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Non-Conformance (check applicable items)

Sample Integrity	Chain of Custody Clarification	If Broken Container:
Parameter(s) past holding time	Login Clarification Needed	
Improper temperature	Chain of custody is incomplete	Insufficient packing material around container
Improper container	Please specify Metals requested.	Insufficient packing material inside cooler
Improper preservation	Please specify TCLP requested.	x Improper handling by carrier Fedex
Insufficient sample volume.	Received additional samples not listed on coc.	Sample was frozen
Sample is biphasic.	Sample ids on containers do not match ids on coc	Container lid not intact
Vials received with headspace.	Trip Blank not received.	If no Chain of Custody:
Broken container	Client did not "X" analysis.	Received by:
x Broken container:	Chain of Custody is missing	Date/Time:
Sufficient sample remains		Temp./Cont. Rec./pH:
		Carrier:
		Tracking#

Login Comments: 1 of 2 Vials Received broken on ID: MW-17

Client informed by:	Call	Email	Voice Mail	Date: 02/09/18	Time: 1605
TSR Initials: JCR	Client Contact:				

Login Instructions:

Analyze from remaining vial received intact.

This E-mail and any attached files are confidential, and may be copyright protected. If you are not the addressee, any dissemination of this communication is strictly prohibited. If you have received this message in error, please contact the sender immediately and delete/destroy all information received.

Signal #1 : C:\MSDCHEM\1\DATA\021118\0211_17.D\FID1A.CH Vial: 17
 Signal #2 : C:\MSDCHEM\1\DATA\021118\0211_17.D\ELC2B.CH
 Acq On : 12 Feb 2018 12:57 am Operator:
 Sample : L969164-08 200x WG1072111 RE Inst : VOCGC14
 Misc : water Multiplr: 200.00
 IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
 Quant Time: Feb 12 09:07:24 2018 Quant Results File: PV14B07R.RES

Quant Method : C:\MSDCHEM\1\METHODS\PV14B07R.M (Chemstation Integrator)
 Title : WIS GRO VOCGC14
 Last Update : Wed Feb 07 15:07:57 2018
 Response via : Initial Calibration
 DataAcq Meth : PVOC.M

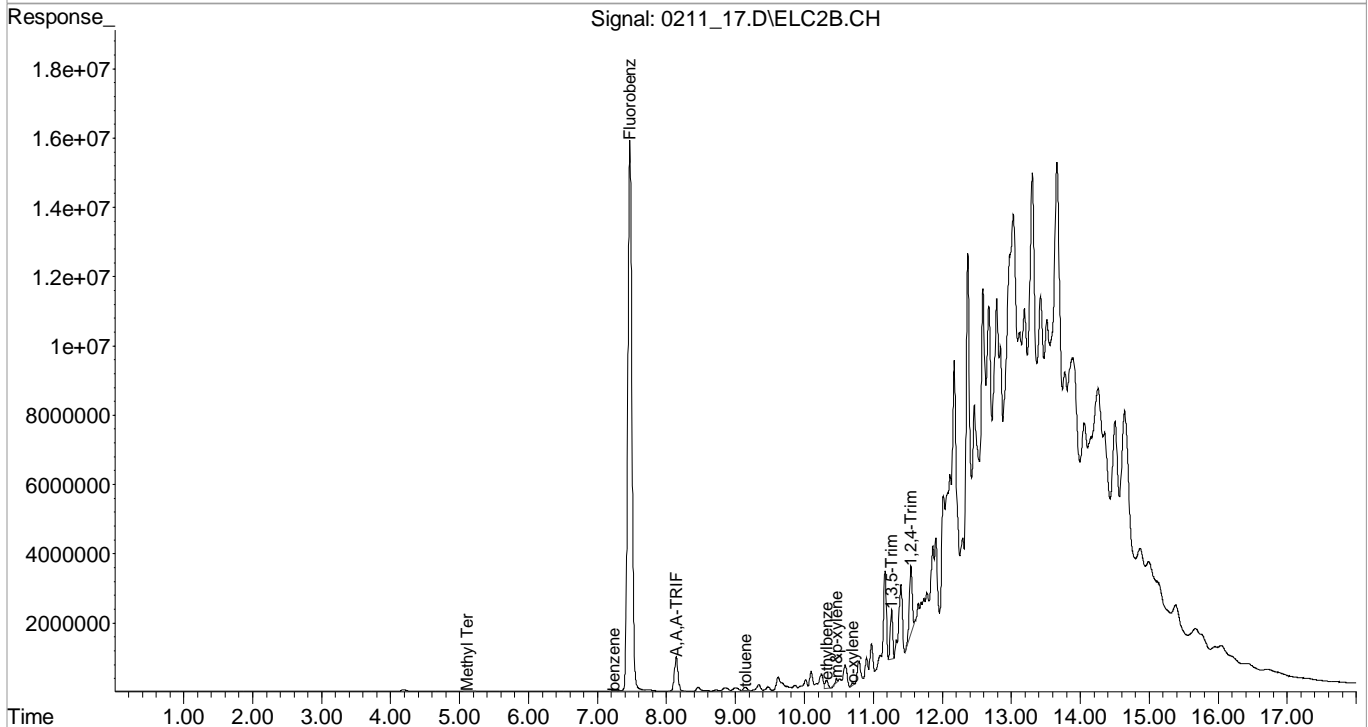
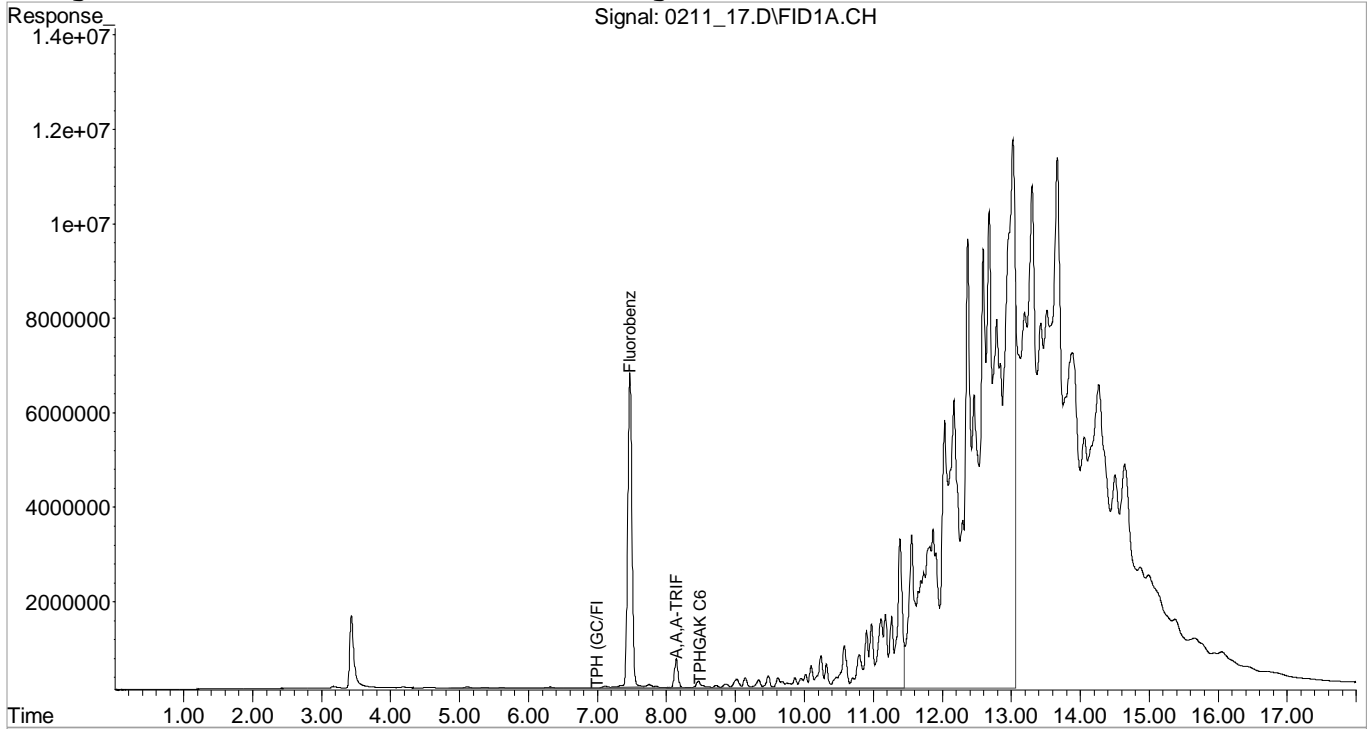
Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
2) I Fluorobenzene (FID)	7.47	279003720	100.0000000 ppb
6) I Fluorobenzene (PID)	7.47	662661872	100.0000000 ppb
System Monitoring Compounds			
3) S A,A,A-TRIFLUOROTOLUENE (FID)	8.14	22115130	10.0445746 ppb
Spiked Amount 10.0000	Range 80 - 200	Recovery =	100.45%
7) S A,A,A-TRIFLUOROTOLUENE (PID)	8.14	36143724	10.1998588 ppb
Spiked Amount 10.0000	Range 80 - 200	Recovery =	102.00%
Target Compounds			
1) H,M TPH (GC/FID) Low Fraction	7.00	5610960085	335.4683121 ppm
4) H,M TPHGAK C6 to C10	8.50	705117495	35.5901510 ppm
8) T,M Methyl Tert-Butyl Ether	5.11	474847	26.5625051 ppb
9) T,M benzene	7.24	1148281	19.6806144 ppb
10) T,M toluene	9.14f	3526991	69.4625662 ppb
11) T,M ethylbenzene	10.32	7014337	163.8491329 ppb
12) T,M m&p-xylene	10.46	1595196	34.8174324 ppb
13) T,M o-xylene	10.70	1505195	37.8133978 ppb
14) T,M 1,3,5-Trimethylbenzene	11.26f	33167950	639.7179773 ppb
15) T,M 1,2,4-Trimethylbenzene	11.54	52445800	1348.9419027 ppb

Signal #1 : C:\MSDCHEM\1\DATA\021118\0211_17.D\FID1A.CH Vial: 17
 Signal #2 : C:\MSDCHEM\1\DATA\021118\0211_17.D\ELC2B.CH
 Acq On : 12 Feb 2018 12:57 am Operator:
 Sample : L969164-08 200x WG1072111 RE Inst : VOCGC14
 Misc : water Multiplr: 200.00
 IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
 Quant Time: Feb 12 9:07 2018 Quant Results File: PV14B07R.RES

Quant Method : C:\MSDCHEM\1\METHODS\PV14B07R.M (Chemstation Integrator)
 Title : WIS GRO VOCGC14
 Last Update : Wed Feb 07 15:07:57 2018
 Response via : Multiple Level Calibration
 DataAcq Meth : PVOC.M

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Signal #1 : C:\MSDCHEM\1\DATA\020918\0209_32.D\FID1A.CH Vial: 32
 Signal #2 : C:\MSDCHEM\1\DATA\020918\0209_32.D\ELC2B.CH
 Acq On : 2-10-2018 01:40:34 AM Operator:
 Sample : L969164-08 50x WG1072111 Inst : VOCGC14
 Misc : water Multiplr: 50.00
 IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
 Quant Time: Feb 10 08:55:40 2018 Quant Results File: PV14B07R.RES

Quant Method : C:\MSDCHEM\1\METHODS\PV14B07R.M (Chemstation Integrator)
 Title : WIS GRO VOCGC14
 Last Update : Wed Feb 07 15:07:57 2018
 Response via : Initial Calibration
 DataAcq Meth : PVOC.M

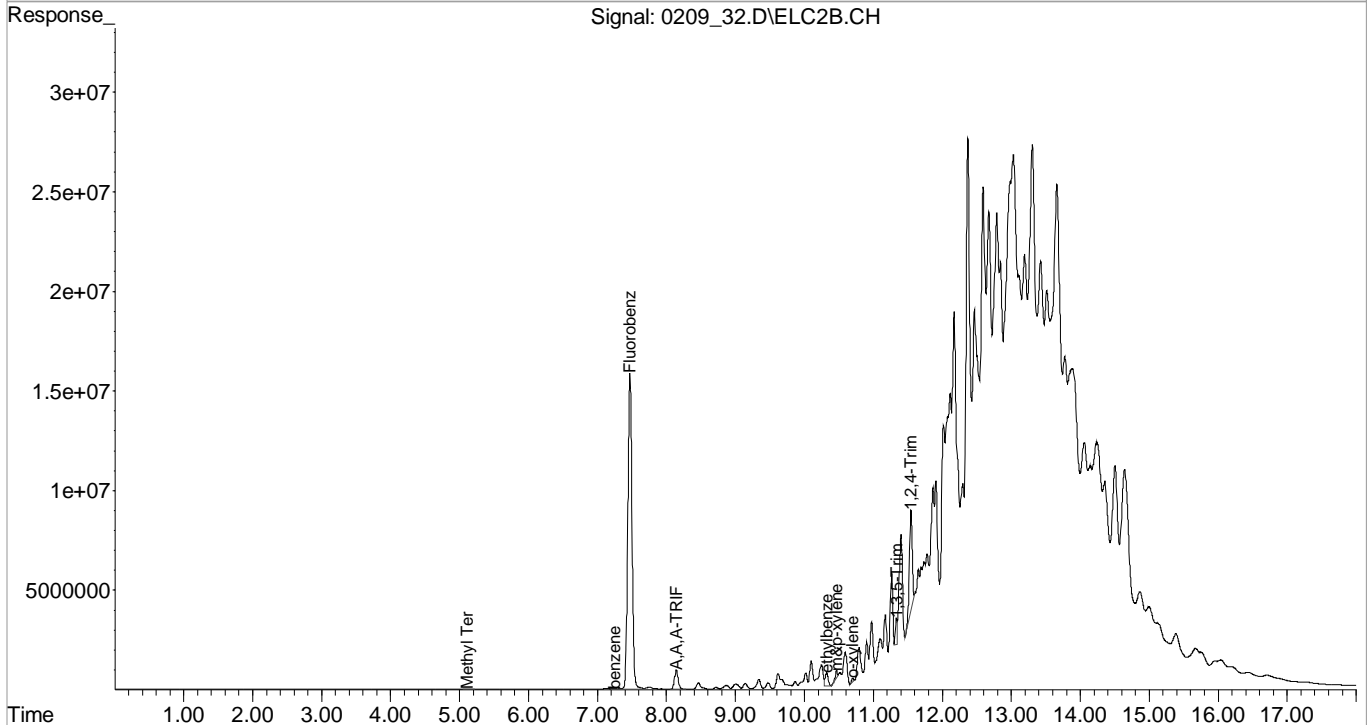
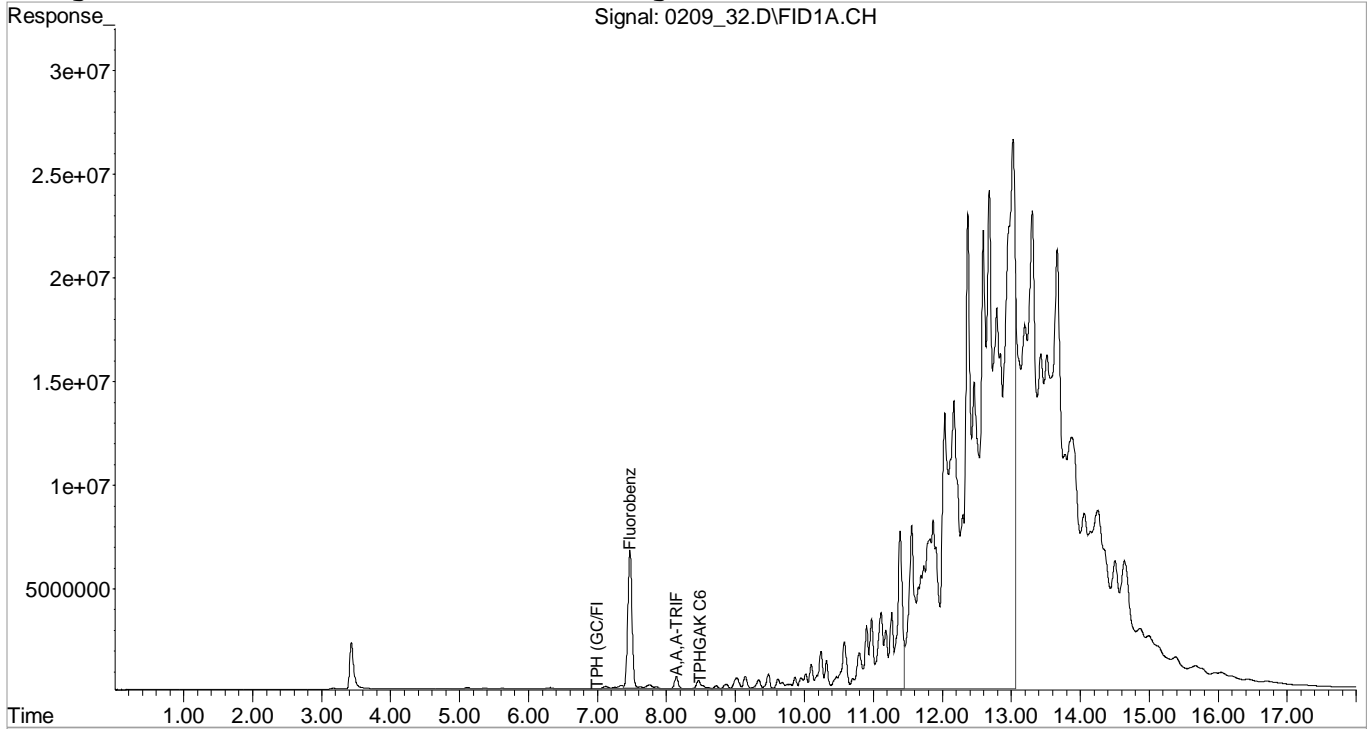
Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc	Units
Internal Standards				
2) I Fluorobenzene (FID)	7.47	277778168	100.0000000	ppb
6) I Fluorobenzene (PID)	7.47	664895891	100.0000000	ppb
System Monitoring Compounds				
3) S A,A,A-TRIFLUOROTOLUENE (FID)	8.14	22163636	10.1110194	ppb
Spiked Amount	10.0000	Range 80 - 200	Recovery =	101.11%
7) S A,A,A-TRIFLUOROTOLUENE (PID)	8.14	36306073	10.2112493	ppb
Spiked Amount	10.0000	Range 80 - 200	Recovery =	102.11%
Target Compounds				
1) H,M TPH (GC/FID) Low Fraction	7.00	13333108769	200.6250509	ppm
4) H,M TPHGAK C6 to C10	8.50	1722941464	21.8368885	ppm
8) T,M Methyl Tert-Butyl Ether	5.11	925062	12.8933120	ppb
9) T,M benzene	7.25	2249248	9.6051981	ppb
11) T,M ethylbenzene	10.32	19511394	113.5596808	ppb
12) T,M m&p-xylene	10.46	5540346	30.1299090	ppb
13) T,M o-xylene	10.70	3769729	23.5961733	ppb
14) T,M 1,3,5-Trimethylbenzene	11.33	24279989	116.6800907	ppb m
15) T,M 1,2,4-Trimethylbenzene	11.54	137758525	882.8346190	ppb

Signal #1 : C:\MSDCHEM\1\DATA\020918\0209_32.D\FID1A.CH Vial: 32
 Signal #2 : C:\MSDCHEM\1\DATA\020918\0209_32.D\ELC2B.CH
 Acq On : 2-10-2018 01:40:34 AM Operator:
 Sample : L969164-08 50x WG1072111 Inst : VOCGC14
 Misc : water Multiplr: 50.00
 IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
 Quant Time: Feb 10 9:19 2018 Quant Results File: PV14B07R.RES

Quant Method : C:\MSDCHEM\1\METHODS\PV14B07R.M (Chemstation Integrator)
 Title : WIS GRO VOCGC14
 Last Update : Wed Feb 07 15:07:57 2018
 Response via : Multiple Level Calibration
 DataAcq Meth : PVOC.M

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Signal #1 : C:\MSDCHEM\1\DATA\021118\0211_16.D\FID1A.CH Vial: 16
 Signal #2 : C:\MSDCHEM\1\DATA\021118\0211_16.D\ELC2B.CH
 Acq On : 12 Feb 2018 12:34 am Operator:
 Sample : L969164-07 1x WG1072111 RE Inst : VOCGC14
 Misc : water Multiplr: 1.00
 IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
 Quant Time: Feb 12 09:07:23 2018 Quant Results File: PV14B07R.RES

Quant Method : C:\MSDCHEM\1\METHODS\PV14B07R.M (Chemstation Integrator)
 Title : WIS GRO VOCGC14
 Last Update : Wed Feb 07 15:07:57 2018
 Response via : Initial Calibration
 DataAcq Meth : PVOC.M

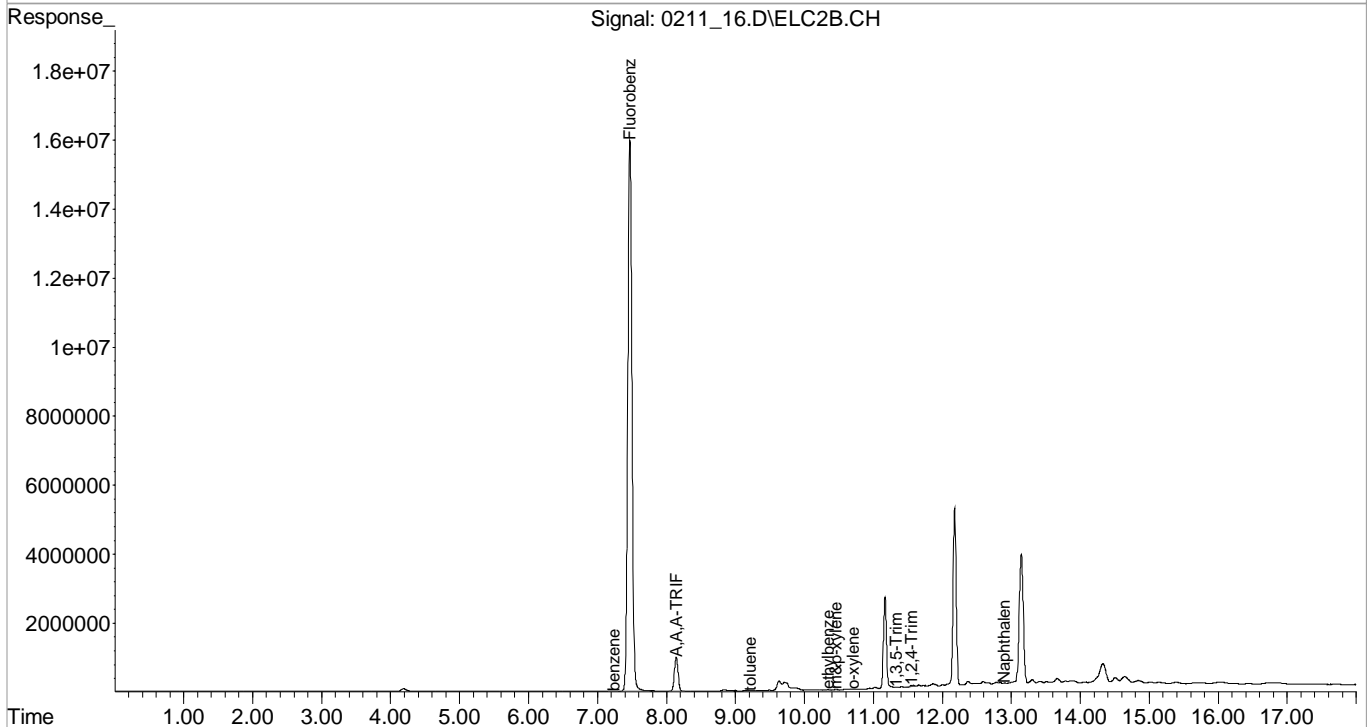
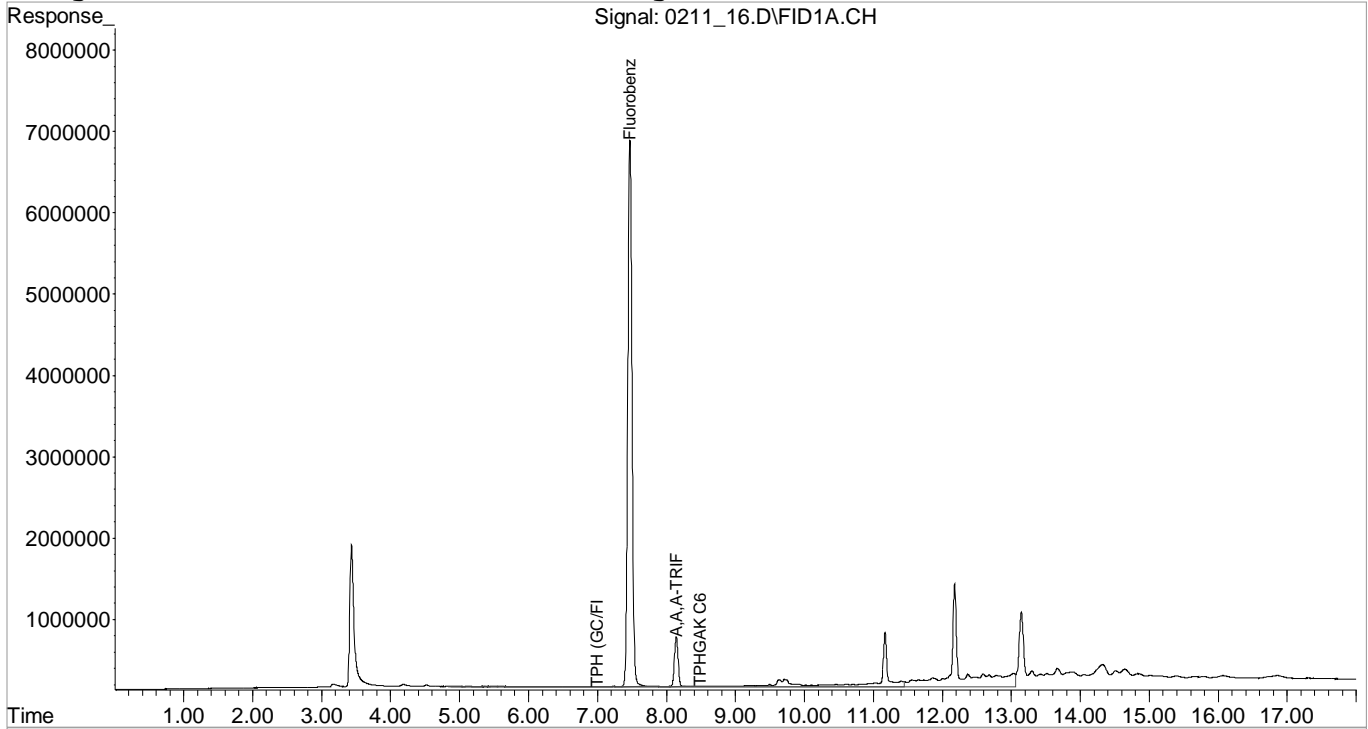
Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
2) I Fluorobenzene (FID)	7.47	280980653	100.0000000 ppb
6) I Fluorobenzene (PID)	7.47	665188839	100.0000000 ppb
System Monitoring Compounds			
3) S A,A,A-TRIFLUOROTOLUENE (FID)	8.14	22037970	9.9391033 ppb
Spiked Amount 10.0000	Range 80 - 200	Recovery =	99.39%
7) S A,A,A-TRIFLUOROTOLUENE (PID)	8.14	35776170	10.0577801 ppb
Spiked Amount 10.0000	Range 80 - 200	Recovery =	100.58%
Target Compounds			
1) H,M TPH (GC/FID) Low Fraction	7.00	217049769	0.0462359 ppm
4) H,M TPHGAK C6 to C10	8.50	76140548	0.0190804 ppm
9) T,M benzene	7.23	647710	0.0552953 ppb
10) T,M toluene	9.21	1103754	0.1082769 ppb
11) T,M ethylbenzene	10.34	2561403	0.2980248 ppb
12) T,M m&p-xylene	10.46	2826417	0.3072811 ppb
13) T,M o-xylene	10.70	242306	0.0303203 ppb
14) T,M 1,3,5-Trimethylbenzene	11.33	92555	0.0088918 ppb
15) T,M 1,2,4-Trimethylbenzene	11.55	430039	0.0550944 ppb
16) T,M Naphthalene	12.90	261410	0.0493815 ppb

Signal #1 : C:\MSDCHEM\1\DATA\021118\0211_16.D\FID1A.CH Vial: 16
 Signal #2 : C:\MSDCHEM\1\DATA\021118\0211_16.D\ELC2B.CH
 Acq On : 12 Feb 2018 12:34 am Operator:
 Sample : L969164-07 1x WG1072111 RE Inst : VOCGC14
 Misc : water Multiplr: 1.00
 IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
 Quant Time: Feb 12 9:20 2018 Quant Results File: PV14B07R.RES

Quant Method : C:\MSDCHEM\1\METHODS\PV14B07R.M (Chemstation Integrator)
 Title : WIS GRO VOCGC14
 Last Update : Wed Feb 07 15:07:57 2018
 Response via : Multiple Level Calibration
 DataAcq Meth : PVOC.M

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Signal #1 : C:\MSDCHEM\1\DATA\020918\0209_20.D\FID1A.CH Vial: 20
 Signal #2 : C:\MSDCHEM\1\DATA\020918\0209_20.D\ELC2B.CH
 Acq On : 2-9-2018 08:58:25 PM Operator:
 Sample : L969164-06 1x WG1072111 Inst : VOCGC14
 Misc : water Multiplr: 1.00
 IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
 Quant Time: Feb 10 08:55:23 2018 Quant Results File: PV14B07R.RES

Quant Method : C:\MSDCHEM\1\METHODS\PV14B07R.M (Chemstation Integrator)
 Title : WIS GRO VOCGC14
 Last Update : Wed Feb 07 15:07:57 2018
 Response via : Initial Calibration
 DataAcq Meth : PVOC.M

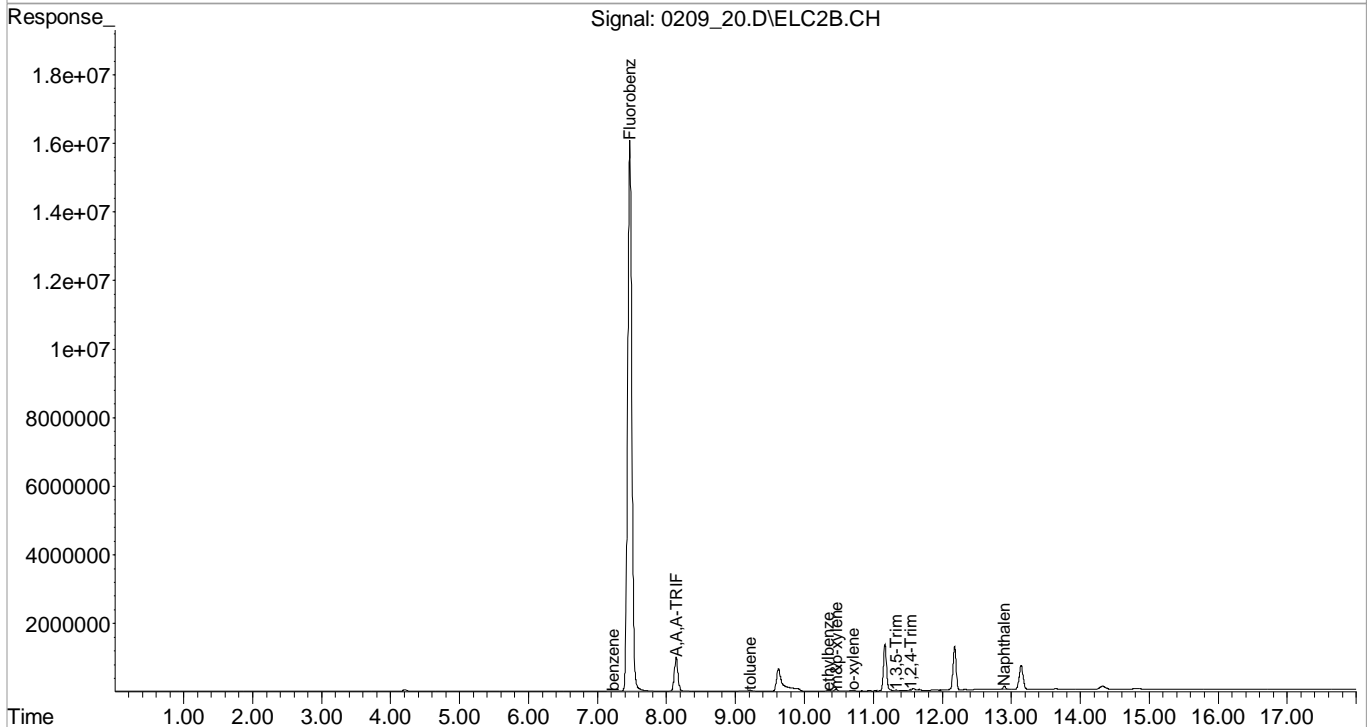
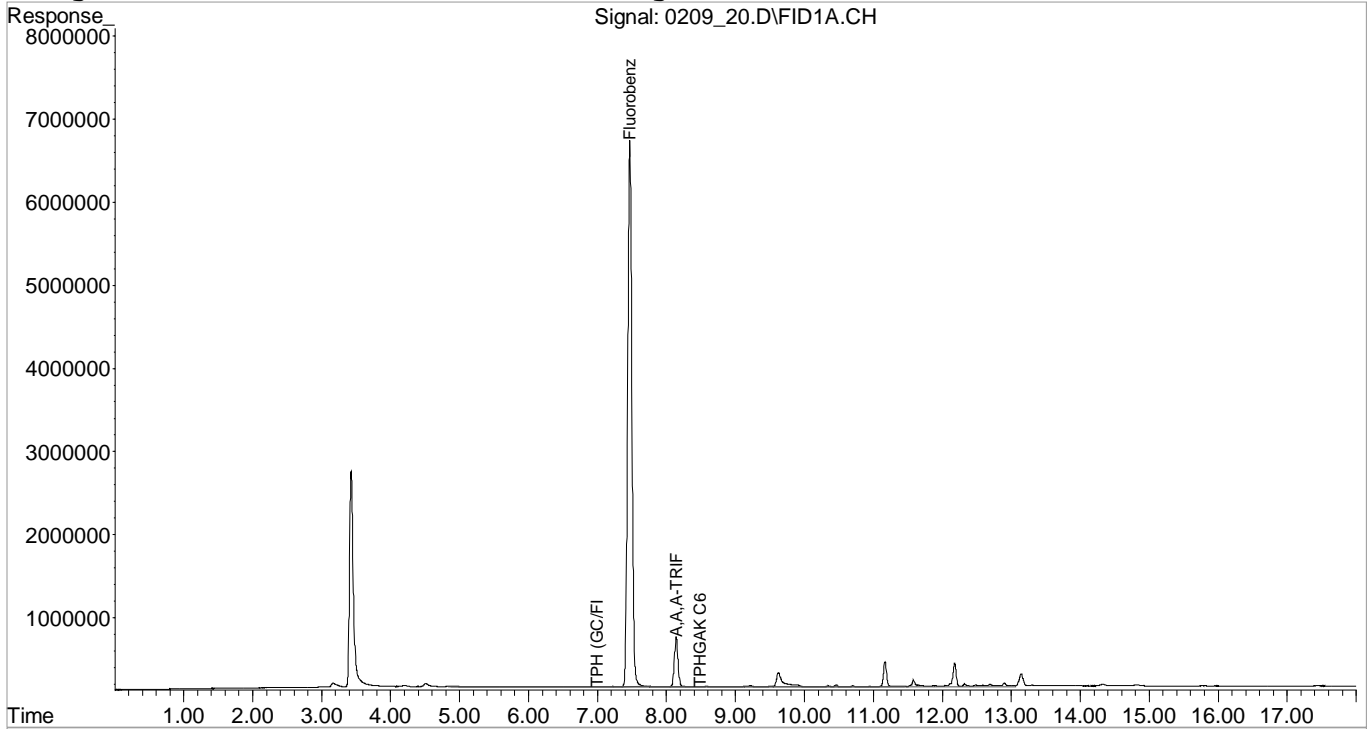
Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
2) I Fluorobenzene (FID)	7.47	276138162	100.0000000 ppb
6) I Fluorobenzene (PID)	7.47	671962114	100.0000000 ppb
System Monitoring Compounds			
3) S A,A,A-TRIFLUOROTOLUENE (FID)	8.14	21736252	9.9749397 ppb
Spiked Amount 10.0000	Range 80 - 200	Recovery =	99.75%
7) S A,A,A-TRIFLUOROTOLUENE (PID)	8.14	36516356	10.1623908 ppb
Spiked Amount 10.0000	Range 80 - 200	Recovery =	101.62%
Target Compounds			
1) H,M TPH (GC/FID) Low Fraction	7.00	64478469	0.0000987 ppm
4) H,M TPHGAK C6 to C10	8.50	37793309	0.0096369 ppm
9) T,M benzene	7.23	982320	0.0830158 ppb
10) T,M toluene	9.21	1119513	0.1087159 ppb
11) T,M ethylbenzene	10.34	642872	0.0740456 ppb
12) T,M m&p-xylene	10.46	1664672	0.1791548 ppb
13) T,M o-xylene	10.70	694093	0.0859781 ppb
14) T,M 1,3,5-Trimethylbenzene	11.33	387653	0.0368664 ppb
15) T,M 1,2,4-Trimethylbenzene	11.54	704625	0.0893630 ppb m
16) T,M Naphthalene	12.90	2445334	0.4572789 ppb

Signal #1 : C:\MSDCHEM\1\DATA\020918\0209_20.D\FID1A.CH Vial: 20
 Signal #2 : C:\MSDCHEM\1\DATA\020918\0209_20.D\ELC2B.CH
 Acq On : 2-9-2018 08:58:25 PM Operator:
 Sample : L969164-06 1x WG1072111 Inst : VOCGC14
 Misc : water Multiplr: 1.00
 IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
 Quant Time: Feb 10 9:09 2018 Quant Results File: PV14B07R.RES

Quant Method : C:\MSDCHEM\1\METHODS\PV14B07R.M (Chemstation Integrator)
 Title : WIS GRO VOCGC14
 Last Update : Wed Feb 07 15:07:57 2018
 Response via : Multiple Level Calibration
 DataAcq Meth : PVOC.M

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Signal #1 : C:\MSDCHEM\1\DATA\021118\0211_15.D\FID1A.CH Vial: 15
 Signal #2 : C:\MSDCHEM\1\DATA\021118\0211_15.D\ELC2B.CH
 Acq On : 12 Feb 2018 12:10 am Operator:
 Sample : L969164-05 1x WG1072111 RE Inst : VOCGC14
 Misc : water Multiplr: 1.00
 IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
 Quant Time: Feb 12 09:07:22 2018 Quant Results File: PV14B07R.RES

Quant Method : C:\MSDCHEM\1\METHODS\PV14B07R.M (Chemstation Integrator)
 Title : WIS GRO VOCGC14
 Last Update : Wed Feb 07 15:07:57 2018
 Response via : Initial Calibration
 DataAcq Meth : PVOC.M

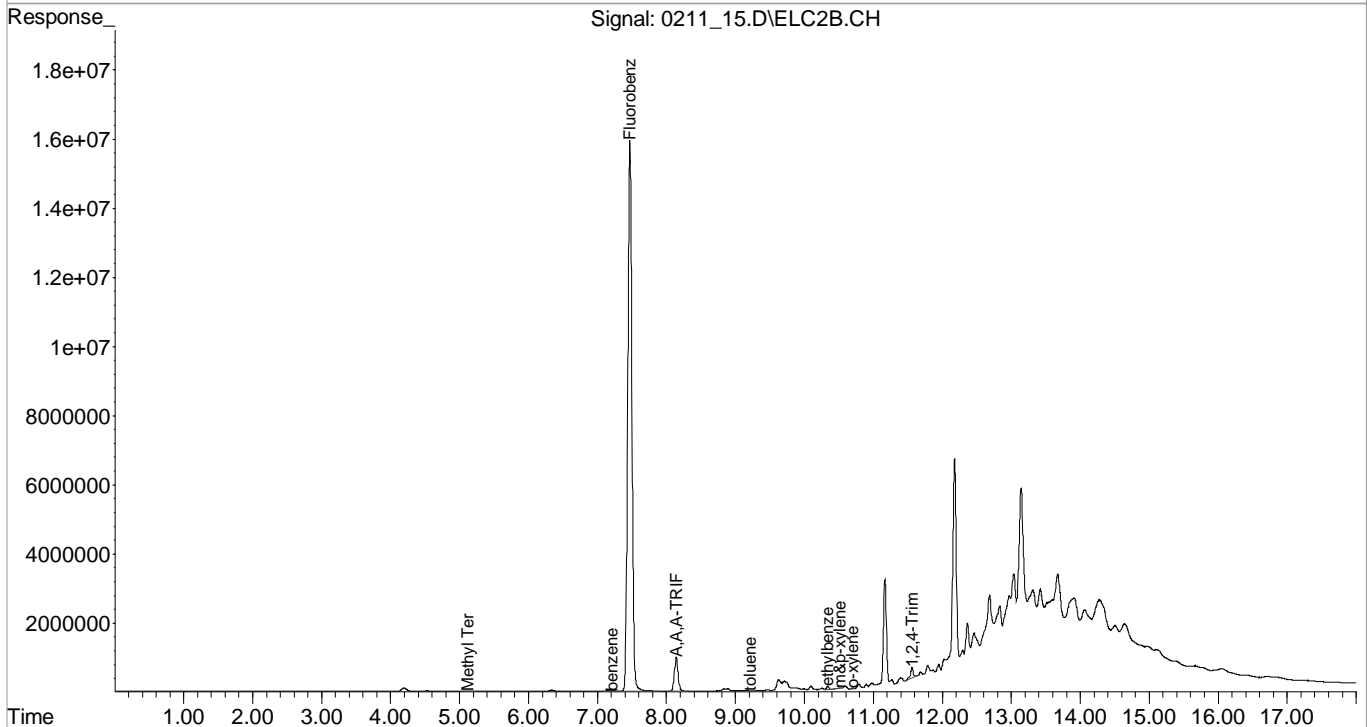
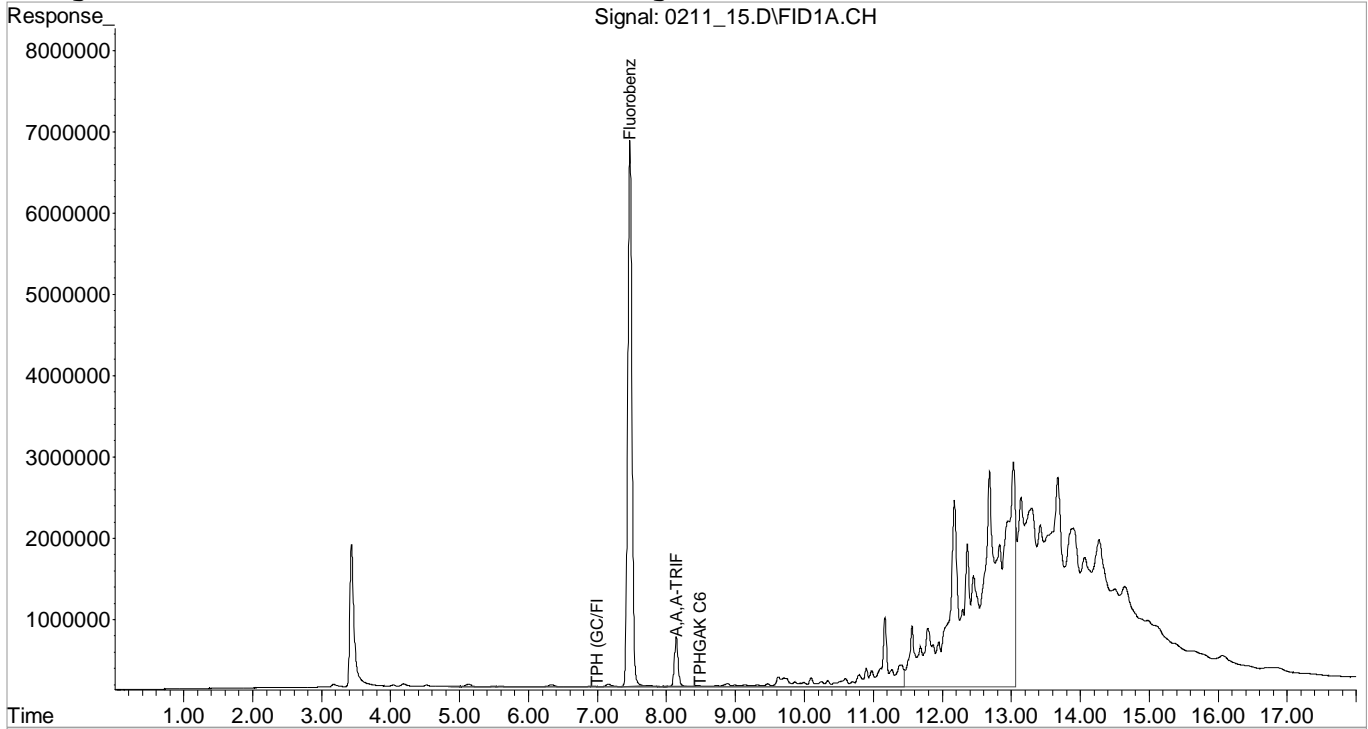
Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
2) I Fluorobenzene (FID)	7.47	280945531	100.0000000 ppb
6) I Fluorobenzene (PID)	7.47	664073582	100.0000000 ppb
System Monitoring Compounds			
3) S A,A,A-TRIFLUOROTOLUENE (FID)	8.14	22578830	10.1843039 ppb
Spiked Amount 10.0000	Range 80 - 200	Recovery =	101.84%
7) S A,A,A-TRIFLUOROTOLUENE (PID)	8.14	36653323	10.3216800 ppb
Spiked Amount 10.0000	Range 80 - 200	Recovery =	103.22%
Target Compounds			
1) H,M TPH (GC/FID) Low Fraction	7.00	1246616648	0.3575745 ppm
4) H,M TPHGAK C6 to C10	8.50	157960268	0.0395890 ppm
8) T,M Methyl Tert-Butyl Ether	5.12	811699	0.2265459 ppb
9) T,M benzene	7.21	2085774	0.1783626 ppb
10) T,M toluene	9.22	444663	0.0436941 ppb
11) T,M ethylbenzene	10.34	2455388	0.2861695 ppb
12) T,M m&p-xylene	10.51f	204516	0.0222718 ppb
13) T,M o-xylene	10.70	465430	0.0583383 ppb
15) T,M 1,2,4-Trimethylbenzene	11.56	8773503	1.1259040 ppb

Signal #1 : C:\MSDCHEM\1\DATA\021118\0211_15.D\FID1A.CH Vial: 15
 Signal #2 : C:\MSDCHEM\1\DATA\021118\0211_15.D\ELC2B.CH
 Acq On : 12 Feb 2018 12:10 am Operator:
 Sample : L969164-05 1x WG1072111 RE Inst : VOCGC14
 Misc : water Multiplr: 1.00
 IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
 Quant Time: Feb 12 9:19 2018 Quant Results File: PV14B07R.RES

Quant Method : C:\MSDCHEM\1\METHODS\PV14B07R.M (Chemstation Integrator)
 Title : WIS GRO VOCGC14
 Last Update : Wed Feb 07 15:07:57 2018
 Response via : Multiple Level Calibration
 DataAcq Meth : PVOC.M

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Signal #1 : C:\MSDCHEM\1\DATA\021118\0211_14.D\FID1A.CH Vial: 14
 Signal #2 : C:\MSDCHEM\1\DATA\021118\0211_14.D\ELC2B.CH
 Acq On : 11 Feb 2018 11:46 pm Operator:
 Sample : L969164-04 1x WG1072111 RE Inst : VOCGC14
 Misc : water Multiplr: 1.00
 IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
 Quant Time: Feb 12 09:07:21 2018 Quant Results File: PV14B07R.RES

Quant Method : C:\MSDCHEM\1\METHODS\PV14B07R.M (Chemstation Integrator)
 Title : WIS GRO VOCGC14
 Last Update : Wed Feb 07 15:07:57 2018
 Response via : Initial Calibration
 DataAcq Meth : PVOC.M

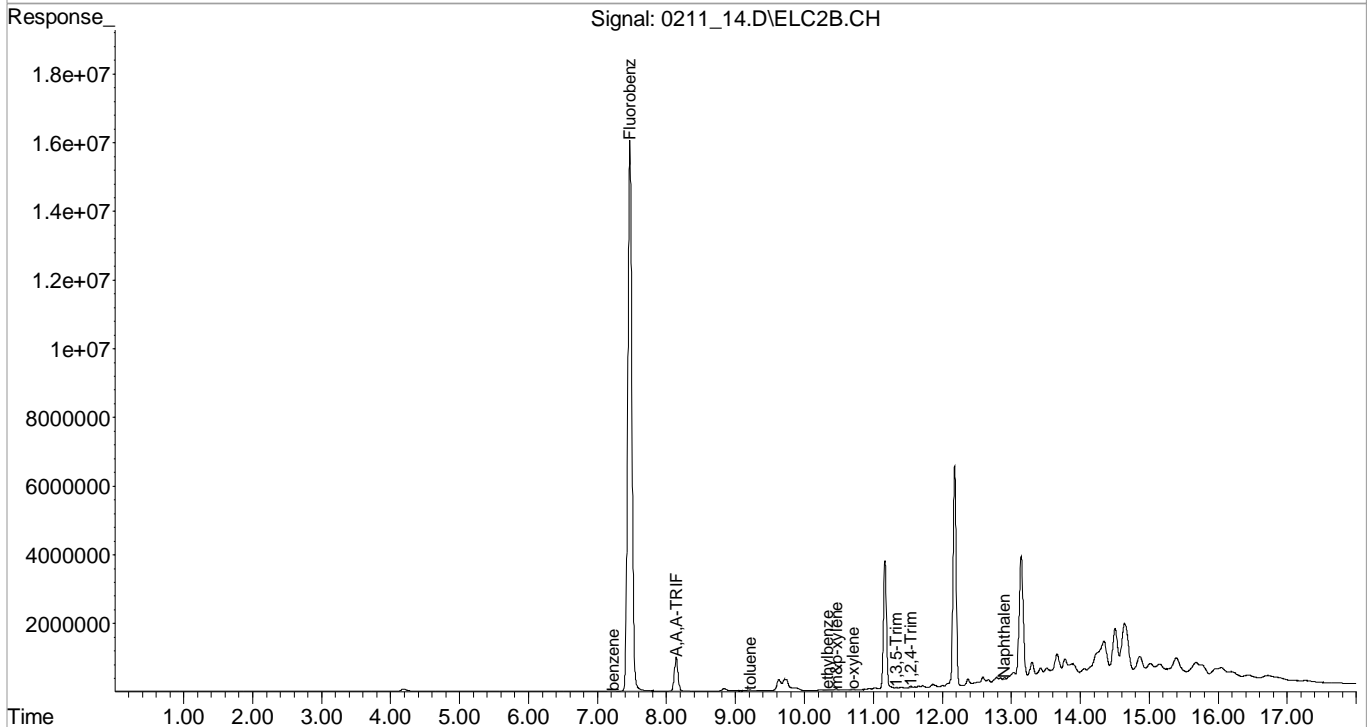
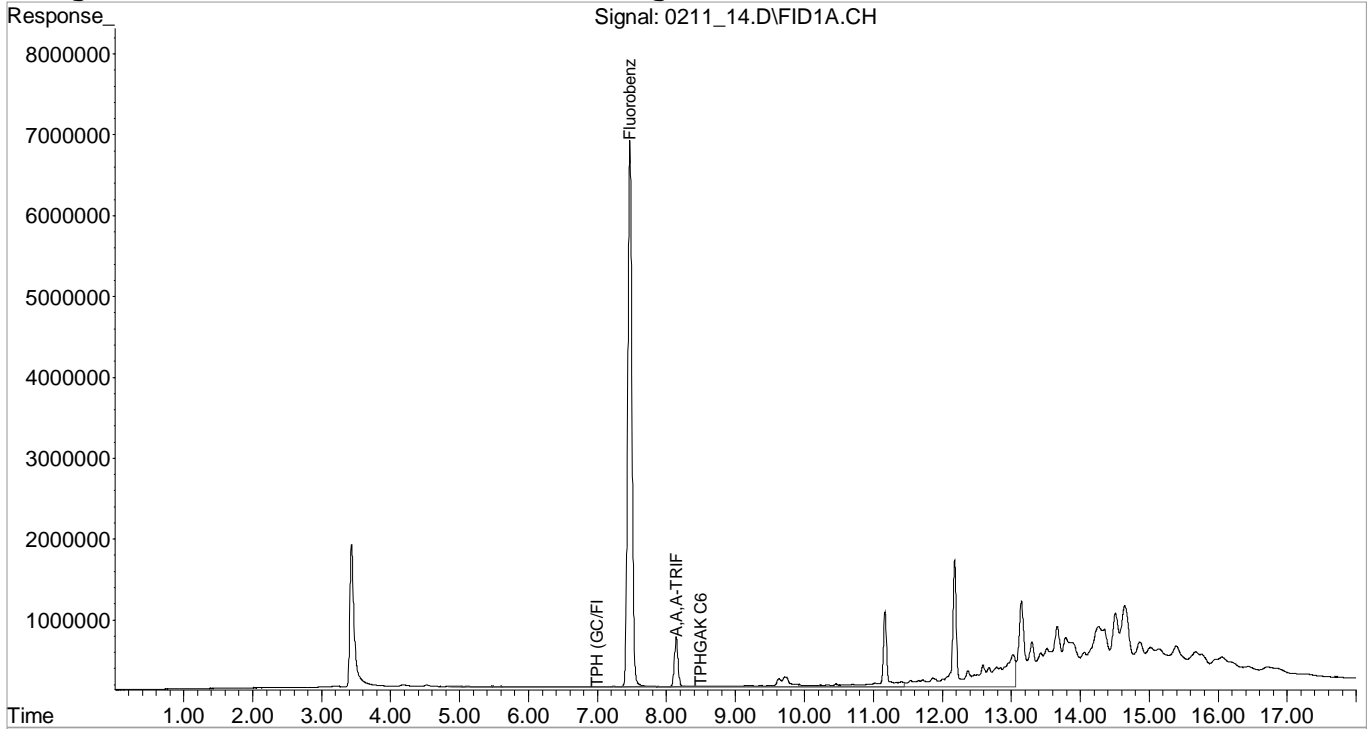
Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
2) I Fluorobenzene (FID)	7.47	282130191	100.0000000 ppb
6) I Fluorobenzene (PID)	7.47	664183562	100.0000000 ppb
System Monitoring Compounds			
3) S A,A,A-TRIFLUOROTOLUENE (FID)	8.14	22181965	9.9632838 ppb
Spiked Amount 10.0000	Range 80 - 200	Recovery =	99.63%
7) S A,A,A-TRIFLUOROTOLUENE (PID)	8.14	35805281	10.0811995 ppb
Spiked Amount 10.0000	Range 80 - 200	Recovery =	100.81%
Target Compounds			
1) H,M TPH (GC/FID) Low Fraction	7.00	271090699	0.0625777 ppm
4) H,M TPHGAK C6 to C10	8.50	84394179	0.0210626 ppm
9) T,M benzene	7.23	595442	0.0509101 ppb
10) T,M toluene	9.21	667988	0.0656280 ppb
11) T,M ethylbenzene	10.34	629054	0.0733026 ppb
12) T,M m&p-xylene	10.46	1004306	0.1093509 ppb
13) T,M o-xylene	10.70	376680	0.0472063 ppb
14) T,M 1,3,5-Trimethylbenzene	11.33	301044	0.0289650 ppb
15) T,M 1,2,4-Trimethylbenzene	11.54	1002665	0.1286508 ppb
16) T,M Naphthalene	12.90	723397	0.1368599 ppb

Signal #1 : C:\MSDCHEM\1\DATA\021118\0211_14.D\FID1A.CH Vial: 14
 Signal #2 : C:\MSDCHEM\1\DATA\021118\0211_14.D\ELC2B.CH
 Acq On : 11 Feb 2018 11:46 pm Operator:
 Sample : L969164-04 1x WG1072111 RE Inst : VOCGC14
 Misc : water Multiplr: 1.00
 IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
 Quant Time: Feb 12 9:19 2018 Quant Results File: PV14B07R.RES

Quant Method : C:\MSDCHEM\1\METHODS\PV14B07R.M (Chemstation Integrator)
 Title : WIS GRO VOCGC14
 Last Update : Wed Feb 07 15:07:57 2018
 Response via : Multiple Level Calibration
 DataAcq Meth : PVOC.M

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Signal #1 : C:\MSDCHEM\1\DATA\021618\0216_06.D\FID1A.CH Vial: 6
 Signal #2 : C:\MSDCHEM\1\DATA\021618\0216_06.D\ELC2B.CH
 Acq On : 16 Feb 2018 11:10 am Operator:
 Sample : L969164-03 100x WG1072111 RE Inst : VOCGC14
 Misc : WATER Multiplr: 100.00
 IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
 Quant Time: Feb 16 12:38:22 2018 Quant Results File: PV14B07R.RES

Quant Method : C:\MSDCHEM\1\METHODS\PV14B07R.M (Chemstation Integrator)
 Title : WIS GRO VOCGC14
 Last Update : Wed Feb 07 15:07:57 2018
 Response via : Initial Calibration
 DataAcq Meth : PVOC.M

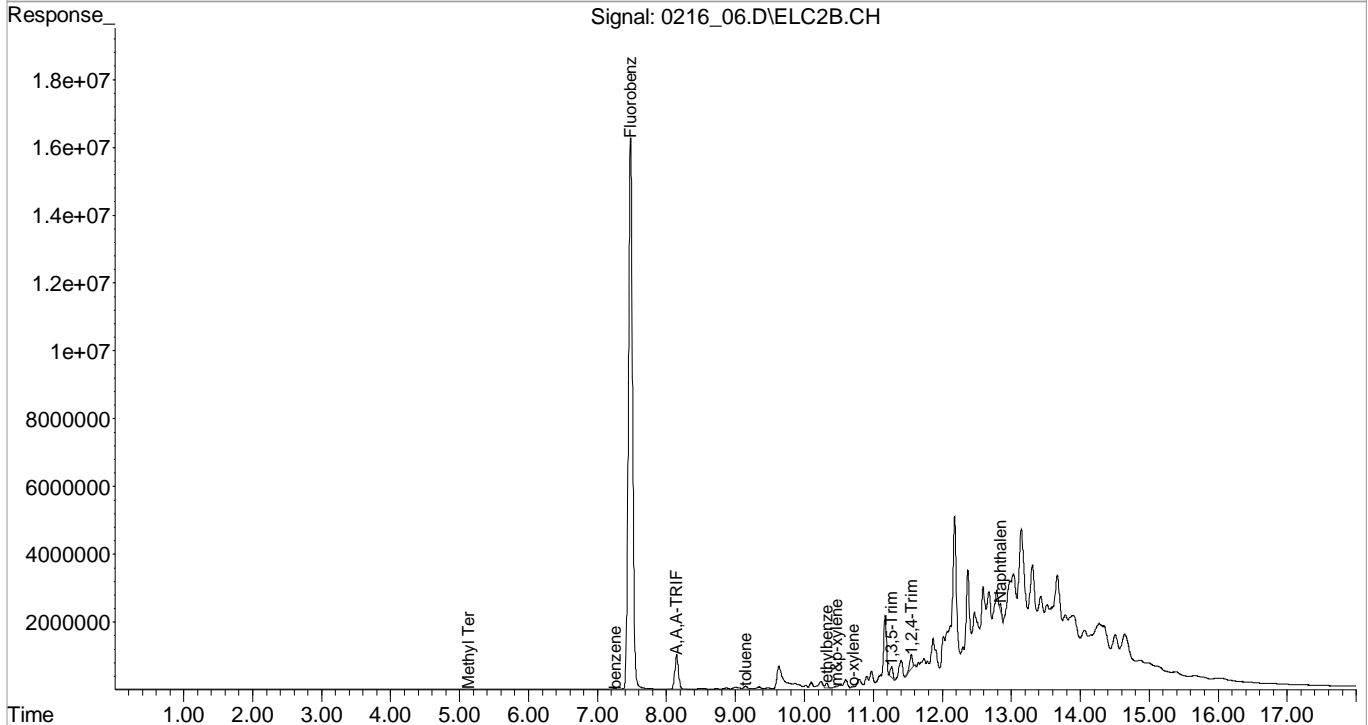
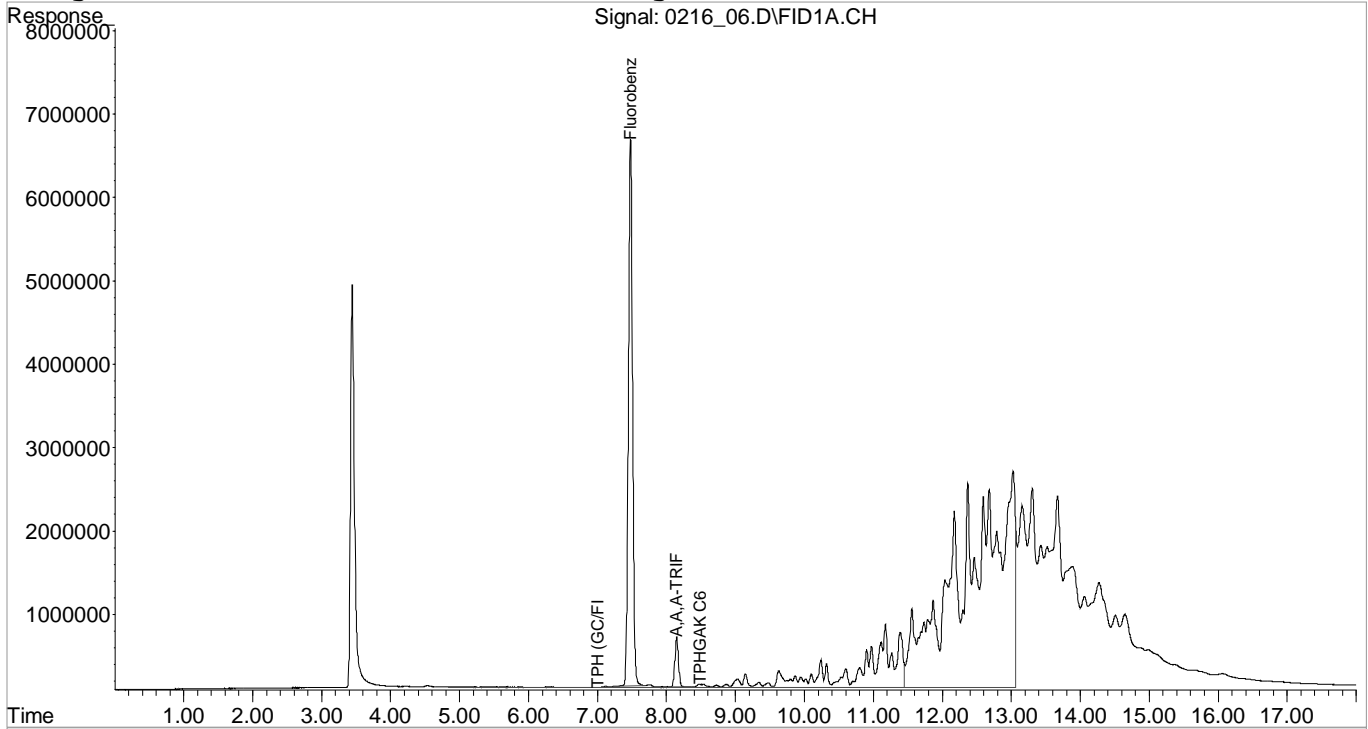
Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
2) I Fluorobenzene (FID)	7.48	273037560	100.0000000 ppb
6) I Fluorobenzene (PID)	7.48	674730192	100.0000000 ppb
System Monitoring Compounds			
3) S A,A,A-TRIFLUOROTOLUENE (FID)	8.15	21721367	10.0813061 ppb
Spiked Amount 10.0000	Range 80 - 200	Recovery =	100.81%
7) S A,A,A-TRIFLUOROTOLUENE (PID)	8.15	37105371	10.2839483 ppb
Spiked Amount 10.0000	Range 80 - 200	Recovery =	102.84%
Target Compounds			
1) H,M TPH (GC/FID) Low Fraction	7.00	1507975364	43.6608707 ppm
4) H,M TPHGAK C6 to C10	8.50	265195792	6.8389995 ppm
8) T,M Methyl Tert-Butyl Ether	5.13	102884	2.8261409 ppb
9) T,M benzene	7.25	1087804	9.1553146 ppb
10) T,M toluene	9.14f	3060567	29.5992109 ppb
11) T,M ethylbenzene	10.32	4145433	47.5509524 ppb
12) T,M m&p-xylene	10.46	609393	6.5314815 ppb
13) T,M o-xylene	10.70	518526	6.3966902 ppb
14) T,M 1,3,5-Trimethylbenzene	11.26f	7942370	75.2232156 ppb
15) T,M 1,2,4-Trimethylbenzene	11.55	10868830	137.2768088 ppb
16) T,M Naphthalene	12.84f	3284886	61.1755471 ppb

Signal #1 : C:\MSDCHEM\1\DATA\021618\0216_06.D\FID1A.CH Vial: 6
 Signal #2 : C:\MSDCHEM\1\DATA\021618\0216_06.D\ELC2B.CH
 Acq On : 16 Feb 2018 11:10 am Operator:
 Sample : L969164-03 100x WG1072111 RE Inst : VOCGC14
 Misc : WATER Multiplr: 100.00
 IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
 Quant Time: Feb 16 12:38 2018 Quant Results File: PV14B07R.RES

Quant Method : C:\MSDCHEM\1\METHODS\PV14B07R.M (Chemstation Integrator)
 Title : WIS GRO VOCGC14
 Last Update : Wed Feb 07 15:07:57 2018
 Response via : Multiple Level Calibration
 DataAcq Meth : PVOC.M

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Signal #1 : C:\MSDCHEM\1\DATA\020918\0209_29.D\FID1A.CH Vial: 29
 Signal #2 : C:\MSDCHEM\1\DATA\020918\0209_29.D\ELC2B.CH
 Acq On : 10 Feb 2018 12:30 am Operator:
 Sample : L969164-03 10x WG1072111 Inst : VOCGC14
 Misc : water Multiplr: 10.00
 IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
 Quant Time: Feb 10 08:55:37 2018 Quant Results File: PV14B07R.RES

Quant Method : C:\MSDCHEM\1\METHODS\PV14B07R.M (Chemstation Integrator)
 Title : WIS GRO VOCGC14
 Last Update : Wed Feb 07 15:07:57 2018
 Response via : Initial Calibration
 DataAcq Meth : PVOC.M

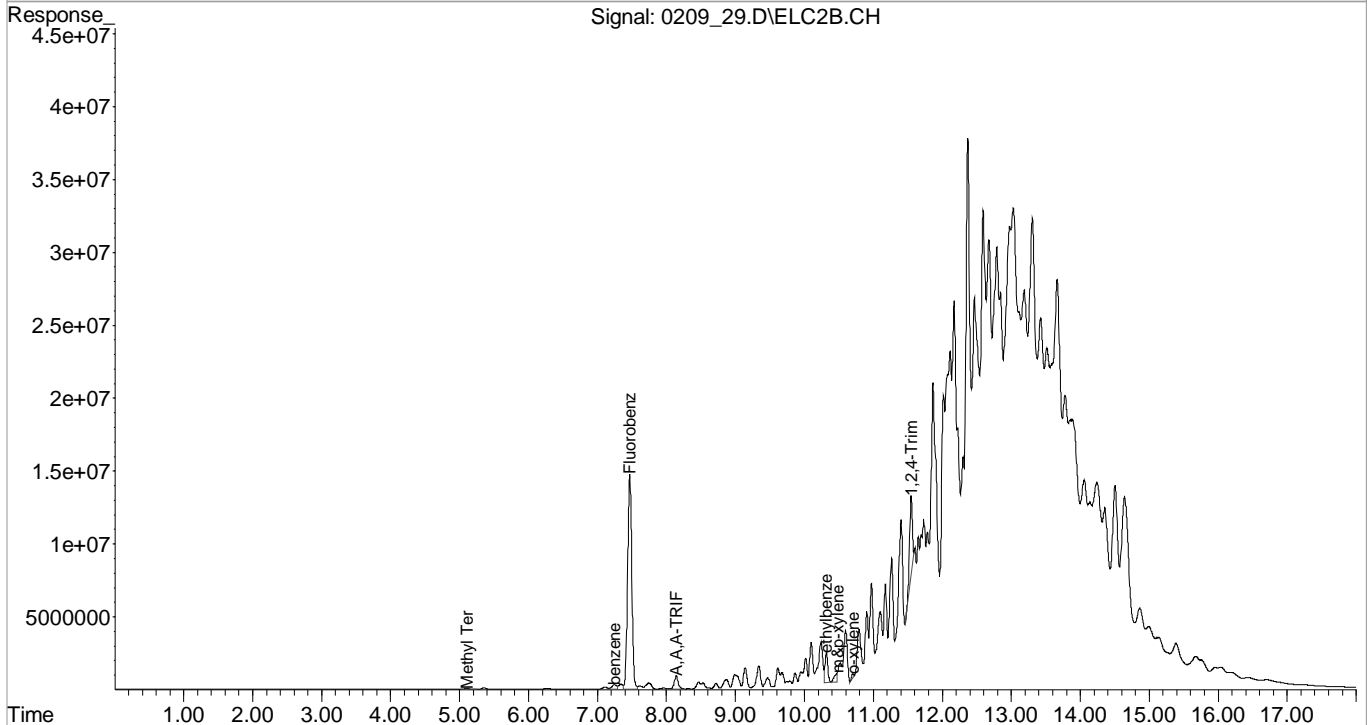
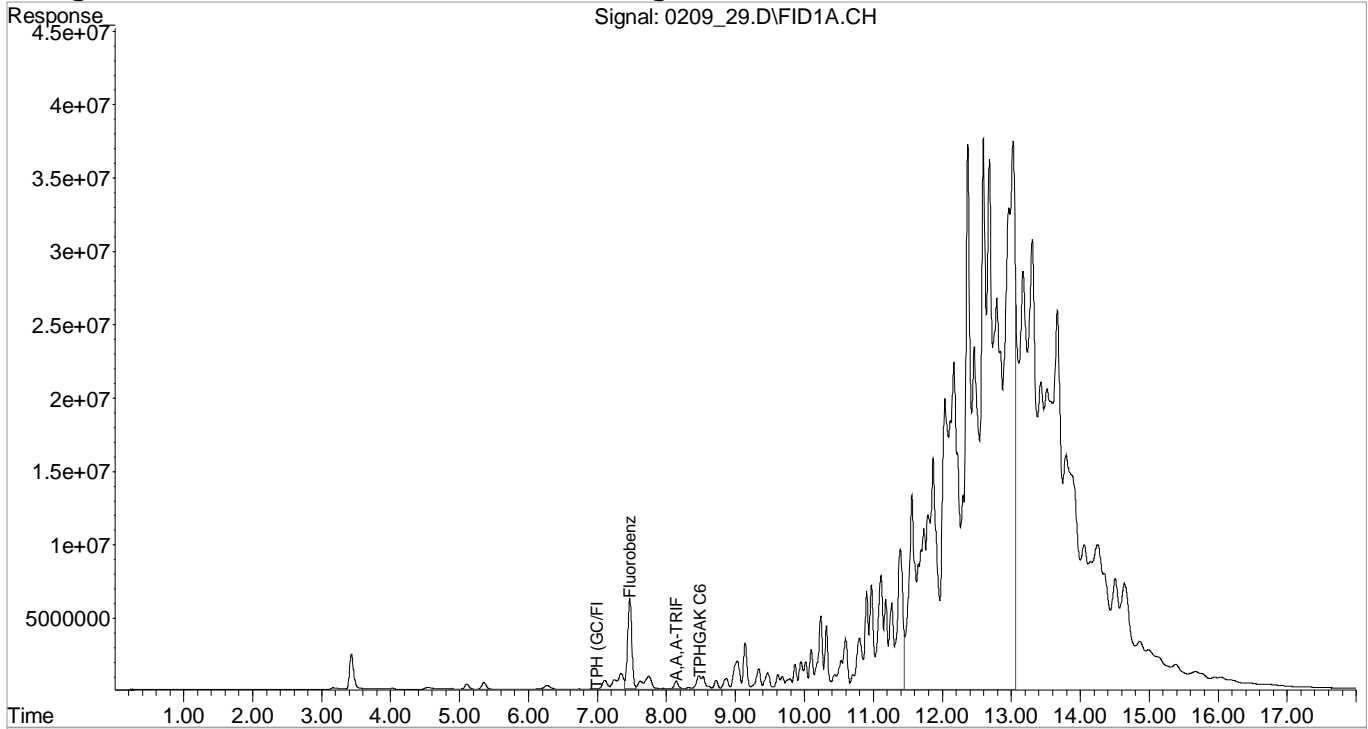
Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
2) I Fluorobenzene (FID)	7.47	261729297	100.0000000 ppb
6) I Fluorobenzene (PID)	7.47	616261708	100.0000000 ppb
System Monitoring Compounds			
3) S A,A,A-TRIFLUOROTOLUENE (FID)	8.14	20174885	9.7681151 ppb
Spiked Amount	10.0000	Range 80 - 200	Recovery = 97.68%
7) S A,A,A-TRIFLUOROTOLUENE (PID)	8.14	37754356	11.4565838 ppb
Spiked Amount	10.0000	Range 80 - 200	Recovery = 114.57%
Target Compounds			
1) H,M TPH (GC/FID) Low Fraction	7.00	21776121504	65.6564806 ppm
4) H,M TPHGAK C6 to C10	8.50	3765346934	10.1298029 ppm
8) T,M Methyl Tert-Butyl Ether	5.10	3591592	10.8018712 ppb
9) T,M benzene	7.25	15743340	14.5072220 ppb
11) T,M ethylbenzene	10.32	57874396	72.6843294 ppb
12) T,M m&p-xylene	10.47	15722564	18.4502711 ppb
13) T,M o-xylene	10.70	5460542	7.3754003 ppb
15) T,M 1,2,4-Trimethylbenzene	11.55	146505717	202.5974169 ppb

Signal #1 : C:\MSDCHEM\1\DATA\020918\0209_29.D\FID1A.CH Vial: 29
 Signal #2 : C:\MSDCHEM\1\DATA\020918\0209_29.D\ELC2B.CH
 Acq On : 10 Feb 2018 12:30 am Operator:
 Sample : L969164-03 10x WG1072111 Inst : VOCGC14
 Misc : water Multiplr: 10.00
 IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
 Quant Time: Feb 10 9:14 2018 Quant Results File: PV14B07R.RES

Quant Method : C:\MSDCHEM\1\METHODS\PV14B07R.M (Chemstation Integrator)
 Title : WIS GRO VOCGC14
 Last Update : Wed Feb 07 15:07:57 2018
 Response via : Multiple Level Calibration
 DataAcq Meth : PVOC.M

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Signal #1 : C:\MSDCHEM\1\DATA\021118\0211_12.D\FID1A.CH Vial: 12
 Signal #2 : C:\MSDCHEM\1\DATA\021118\0211_12.D\ELC2B.CH
 Acq On : 11 Feb 2018 10:59 pm Operator:
 Sample : L969164-02 1x WG1072111 RE Inst : VOCGC14
 Misc : water Multiplr: 1.00
 IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
 Quant Time: Feb 12 09:07:19 2018 Quant Results File: PV14B07R.RES

Quant Method : C:\MSDCHEM\1\METHODS\PV14B07R.M (Chemstation Integrator)
 Title : WIS GRO VOCGC14
 Last Update : Wed Feb 07 15:07:57 2018
 Response via : Initial Calibration
 DataAcq Meth : PVOC.M

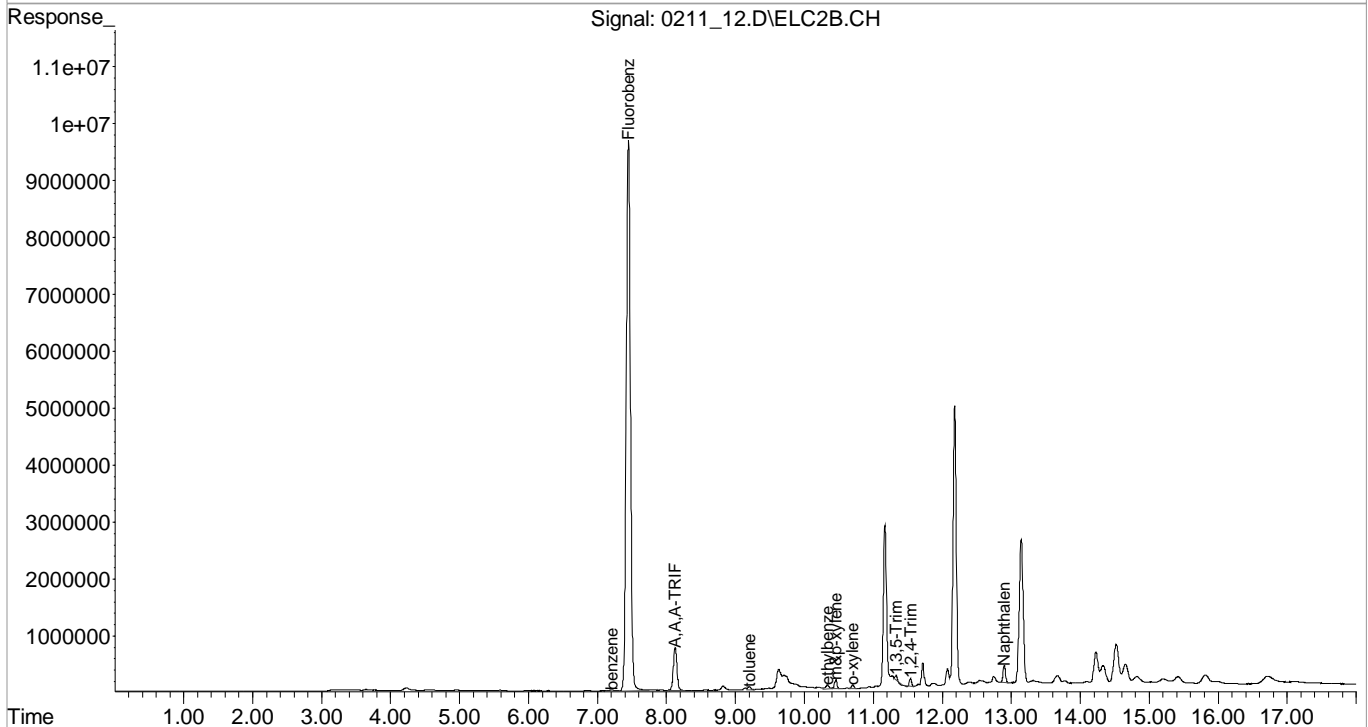
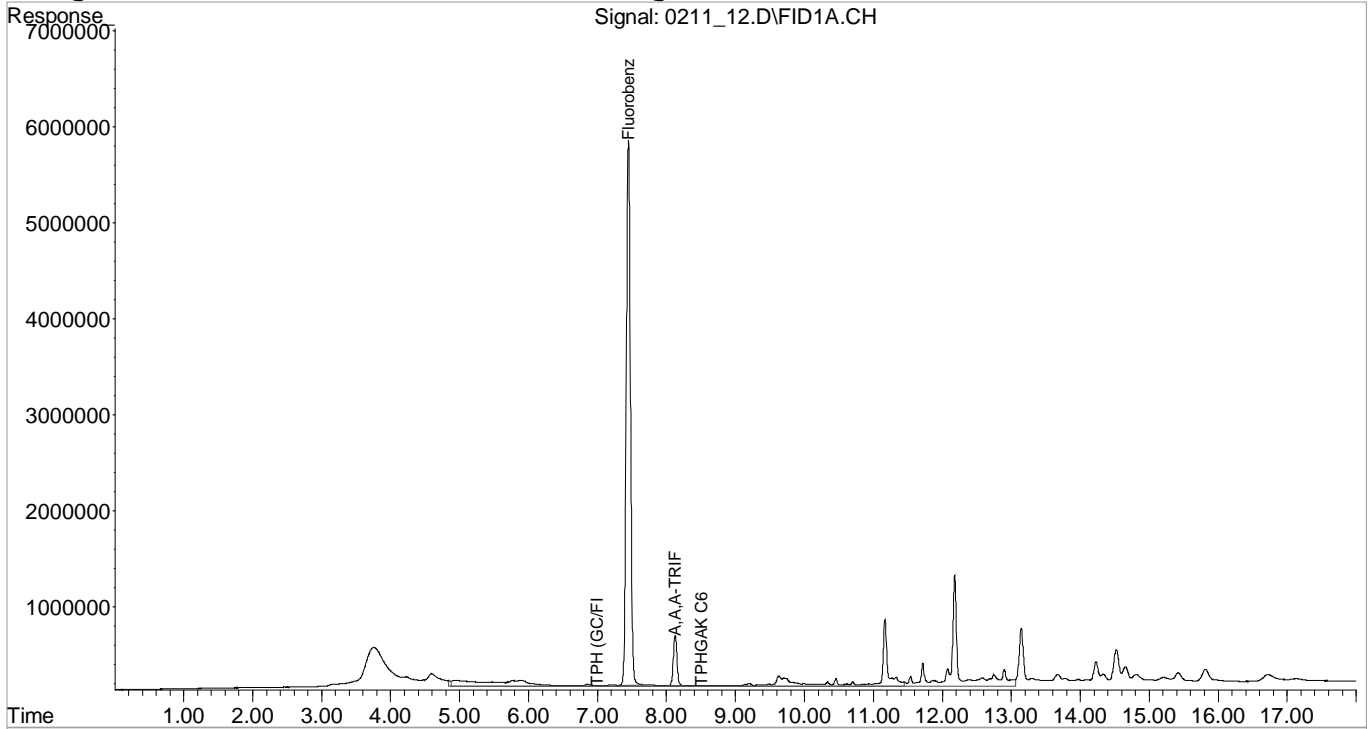
Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
2) I Fluorobenzene (FID)	7.45	237670286	100.0000000 ppb
6) I Fluorobenzene (PID)	7.45	405300530	100.0000000 ppb
System Monitoring Compounds			
3) S A,A,A-TRIFLUOROTOLUENE (FID)	8.13	18930243	10.0933039 ppb
Spiked Amount 10.0000	Range 80 - 200	Recovery =	100.93%
7) S A,A,A-TRIFLUOROTOLUENE (PID)	8.13	27818195	12.8352705 ppb
Spiked Amount 10.0000	Range 80 - 200	Recovery =	128.35%
Target Compounds			
1) H,M TPH (GC/FID) Low Fraction	7.00	204896532	0.0425608 ppm
4) H,M TPHGAK C6 to C10	8.50	103517297	0.0306681 ppm
9) T,M benzene	7.21	1107586	0.1551861 ppb
10) T,M toluene	9.20	1661033	0.2674296 ppb
11) T,M ethylbenzene	10.34	2813766	0.5373166 ppb
12) T,M m&p-xylene	10.46	4256990	0.7595738 ppb
13) T,M o-xylene	10.70	1404864	0.2885176 ppb
14) T,M 1,3,5-Trimethylbenzene	11.33	867001	0.1367019 ppb
15) T,M 1,2,4-Trimethylbenzene	11.54	2552137	0.5366255 ppb
16) T,M Naphthalene	12.90	7593980	2.3543987 ppb

Signal #1 : C:\MSDCHEM\1\DATA\021118\0211_12.D\FID1A.CH Vial: 12
 Signal #2 : C:\MSDCHEM\1\DATA\021118\0211_12.D\ELC2B.CH
 Acq On : 11 Feb 2018 10:59 pm Operator:
 Sample : L969164-02 1x WG1072111 RE Inst : VOCGC14
 Misc : water Multiplr: 1.00
 IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
 Quant Time: Feb 12 9:17 2018 Quant Results File: PV14B07R.RES

Quant Method : C:\MSDCHEM\1\METHODS\PV14B07R.M (Chemstation Integrator)
 Title : WIS GRO VOCGC14
 Last Update : Wed Feb 07 15:07:57 2018
 Response via : Multiple Level Calibration
 DataAcq Meth : PVOC.M

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Signal #1 : C:\MSDCHEM\1\DATA\020918\0209_33.D\FID1A.CH Vial: 33
 Signal #2 : C:\MSDCHEM\1\DATA\020918\0209_33.D\ELC2B.CH
 Acq On : 2-10-2018 02:04:08 AM Operator:
 Sample : L969164-04 1x WG1072111 Inst : VOCGC14
 Misc : water Multiplr: 1.00
 IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
 Quant Time: Feb 10 08:55:41 2018 Quant Results File: PV14B07R.RES

Quant Method : C:\MSDCHEM\1\METHODS\PV14B07R.M (Chemstation Integrator)
 Title : WIS GRO VOCGC14
 Last Update : Wed Feb 07 15:07:57 2018
 Response via : Initial Calibration
 DataAcq Meth : PVOC.M

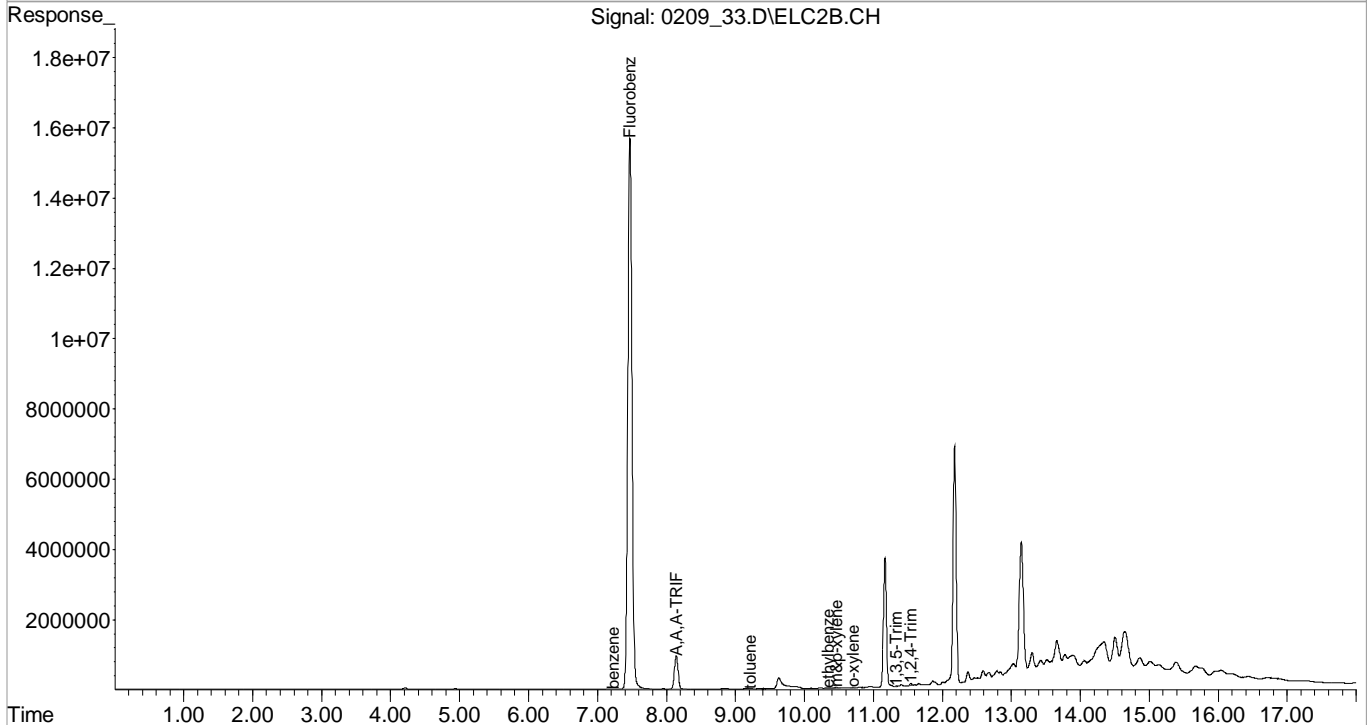
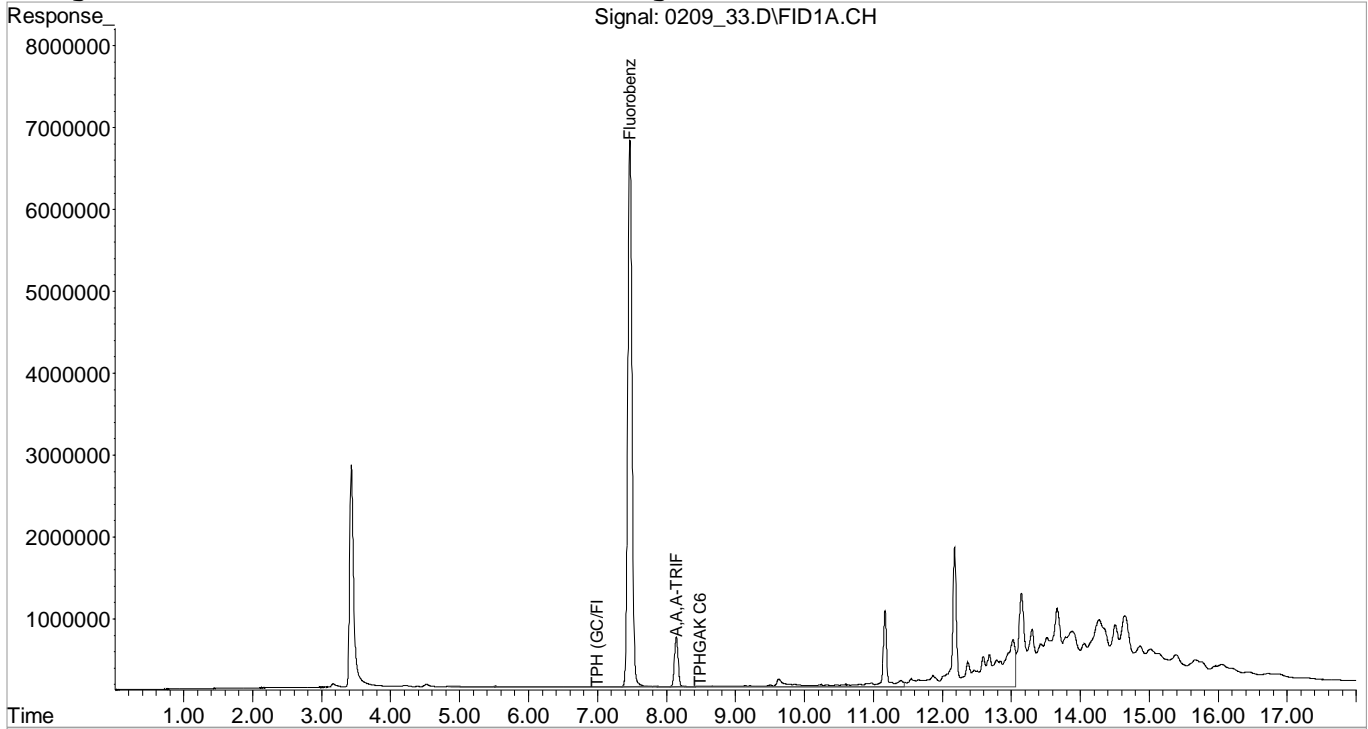
Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
2) I Fluorobenzene (FID)	7.47	280040070	100.0000000 ppb
6) I Fluorobenzene (PID)	7.47	651115043	100.0000000 ppb
System Monitoring Compounds			
3) S A,A,A-TRIFLUOROTOLUENE (FID)	8.14	21934620	9.9257192 ppb
Spiked Amount 10.0000	Range 80 - 200	Recovery =	99.26%
7) S A,A,A-TRIFLUOROTOLUENE (PID)	8.14	34712901	9.9697996 ppb
Spiked Amount 10.0000	Range 80 - 200	Recovery =	99.70%
Target Compounds			
1) H,M TPH (GC/FID) Low Fraction	7.00	318631303	0.0769539 ppm
4) H,M TPHGAK C6 to C10	8.50	80019888	0.0201199 ppm
9) T,M benzene	7.23	557148	0.0485921 ppb
10) T,M toluene	9.21	537513	0.0538691 ppb
11) T,M ethylbenzene	10.34	399855	0.0475296 ppb
12) T,M m&p-xylene	10.46	673790	0.0748362 ppb
13) T,M o-xylene	10.70	204145	0.0260973 ppb
14) T,M 1,3,5-Trimethylbenzene	11.33	39609	0.0038875 ppb
15) T,M 1,2,4-Trimethylbenzene	11.54	899986	0.1177939 ppb

Signal #1 : C:\MSDCHEM\1\DATA\020918\0209_33.D\FID1A.CH Vial: 33
 Signal #2 : C:\MSDCHEM\1\DATA\020918\0209_33.D\ELC2B.CH
 Acq On : 2-10-2018 02:04:08 AM Operator:
 Sample : L969164-04 1x WG1072111 Inst : VOCGC14
 Misc : water Multiplr: 1.00
 IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
 Quant Time: Feb 10 9:20 2018 Quant Results File: PV14B07R.RES

Quant Method : C:\MSDCHEM\1\METHODS\PV14B07R.M (Chemstation Integrator)
 Title : WIS GRO VOCGC14
 Last Update : Wed Feb 07 15:07:57 2018
 Response via : Multiple Level Calibration
 DataAcq Meth : PVOC.M

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Signal #1 : C:\MSDCHEM\1\DATA\020918\0209_27.D\FID1A.CH Vial: 27
 Signal #2 : C:\MSDCHEM\1\DATA\020918\0209_27.D\ELC2B.CH
 Acq On : 09 Feb 2018 11:43 pm Operator:
 Sample : L969164-01 1x WG1072111 Inst : VOCGC14
 Misc : water Multiplr: 1.00
 IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
 Quant Time: Feb 10 08:55:35 2018 Quant Results File: PV14B07R.RES

Quant Method : C:\MSDCHEM\1\METHODS\PV14B07R.M (Chemstation Integrator)
 Title : WIS GRO VOCGC14
 Last Update : Wed Feb 07 15:07:57 2018
 Response via : Initial Calibration
 DataAcq Meth : PVOC.M

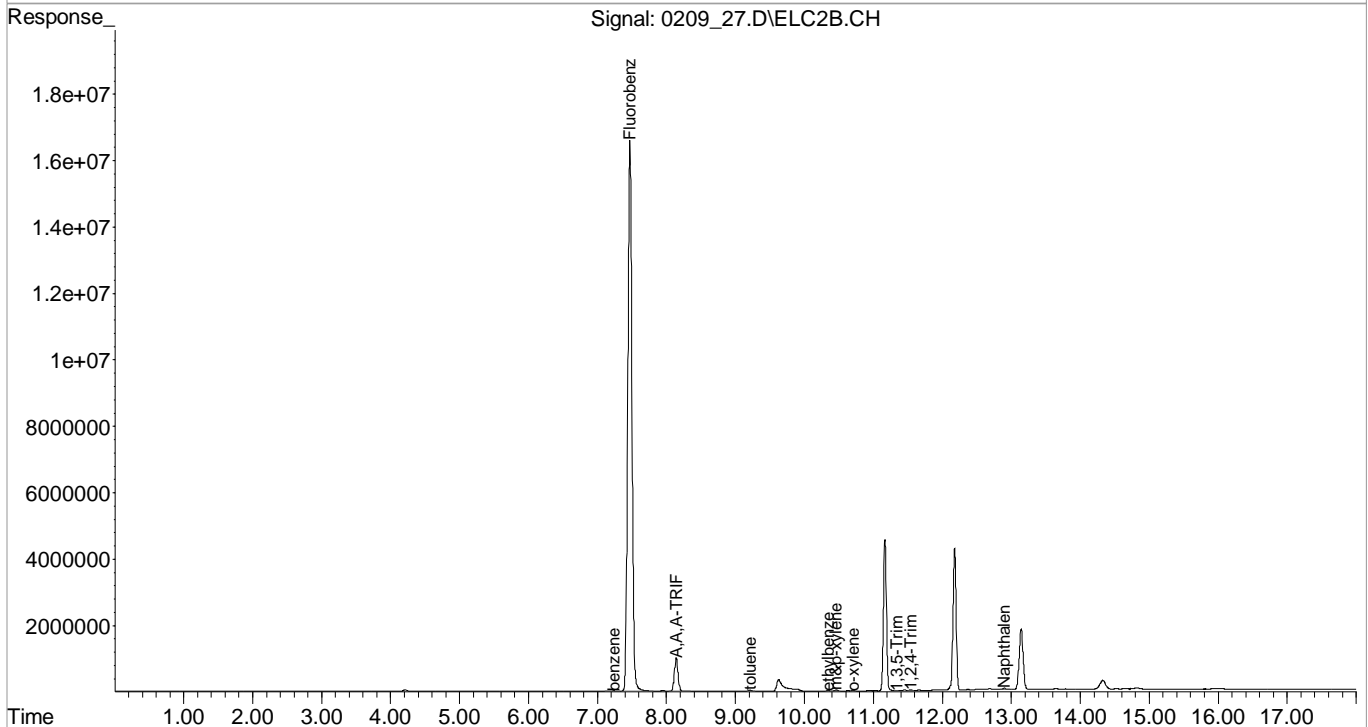
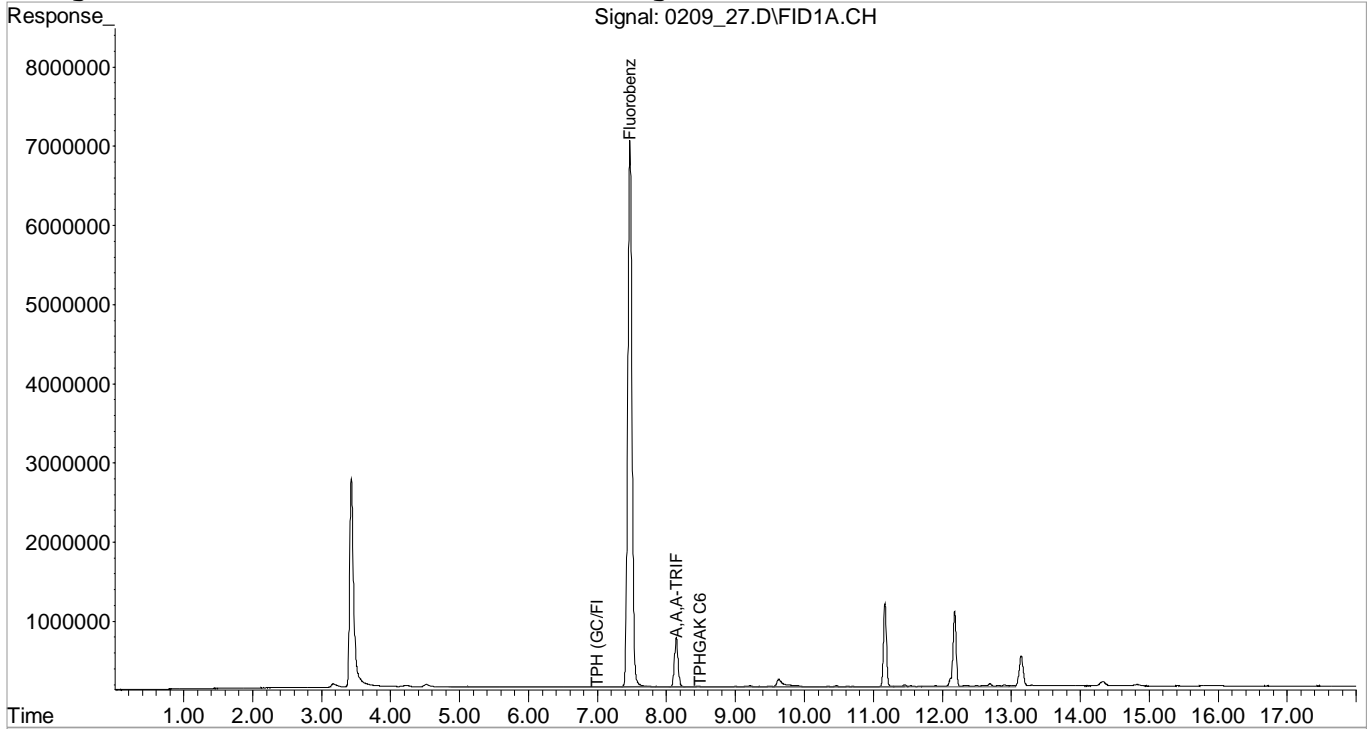
Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

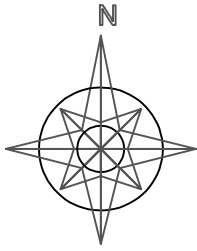
Compound	R.T.	Response	Conc Units
Internal Standards			
2) I Fluorobenzene (FID)	7.47	289505787	100.0000000 ppb
6) I Fluorobenzene (PID)	7.47	693384913	100.0000000 ppb
System Monitoring Compounds			
3) S A,A,A-TRIFLUOROTOLUENE (FID)	8.14	22604996	9.8946224 ppb
Spiked Amount	10.0000	Range 80 - 200	Recovery = 98.95%
7) S A,A,A-TRIFLUOROTOLUENE (PID)	8.14	37297358	10.0590491 ppb
Spiked Amount	10.0000	Range 80 - 200	Recovery = 100.59%
Target Compounds			
1) H,M TPH (GC/FID) Low Fraction	7.00	104218241	0.0121159 ppm
4) H,M TPHGAK C6 to C10	8.50	58873997	0.0143191 ppm
9) T,M benzene	7.23	1068914	0.0875429 ppb
10) T,M toluene	9.21	998883	0.0940045 ppb
11) T,M ethylbenzene	10.34	392041	0.0437599 ppb
12) T,M m&p-xylene	10.46	935718	0.0975922 ppb
13) T,M o-xylene	10.70	259256	0.0311222 ppb
14) T,M 1,3,5-Trimethylbenzene	11.33	203847	0.0187872 ppb
15) T,M 1,2,4-Trimethylbenzene	11.54	511215	0.0628310 ppb
16) T,M Naphthalene	12.90	985522	0.1785993 ppb

Signal #1 : C:\MSDCHEM\1\DATA\020918\0209_27.D\FID1A.CH Vial: 27
 Signal #2 : C:\MSDCHEM\1\DATA\020918\0209_27.D\ELC2B.CH
 Acq On : 09 Feb 2018 11:43 pm Operator:
 Sample : L969164-01 1x WG1072111 Inst : VOCGC14
 Misc : water Multiplr: 1.00
 IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
 Quant Time: Feb 10 9:13 2018 Quant Results File: PV14B07R.RES

Quant Method : C:\MSDCHEM\1\METHODS\PV14B07R.M (Chemstation Integrator)
 Title : WIS GRO VOCGC14
 Last Update : Wed Feb 07 15:07:57 2018
 Response via : Multiple Level Calibration
 DataAcq Meth : PVOC.M

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :





Residence
Owner: William Hamaker

MW-24 P-25
Alley

MW-23

Installed MW-26
Blind to 15-foot bgs

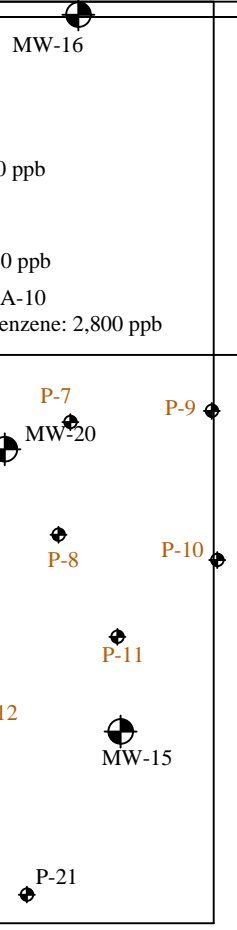
Abandon MW-20

Liquor Store
Property

Sampling Depth:
12-ft below ground surface

former Building

Property Line



15th Avenue

Sidewalk

Rawson Avenue

Summary of Well Install and Abandon Locations 1500 Rawson Avenue South Milwaukee, Wisconsin

Approximate Scale:
1-inch = 25-feet

◆ Geoprobe Sampling Location

● Monitoring Well Locations



Assured Environmental Associates, Inc.
14120 West Glendale Avenue
Brookfield, Wisconsin