

August 5, 2021
Kelly Roberts
Enervest Operating, LLC

Re: Colorado P&A Reclamation Corrective Action Plan

Site Information

Site Name: Hume 1
API: 009-06124
Site GPS: Latitude 37.23565
Longitude -102.18713
County: Baca
GW Data: Depth: 120' bgs
Distance to Well: 0.19 miles to the southeast
Permit: 12290-FP
Receipt: 9072245
Surface Water: None in the area

Area of Concern:

Dimensions: L: 90' W: 30-70' D: ~42"
Total Square Feet: ~5,000
Total Cubic Yards: ~650

Proposed Corrective Action Method

Method: ☐ Remediate in-place ☐ Excavate/remediate ☒ Dig & Haul ☐ Other (Specify):

Reagents: ☐ Gypsum ☐ Frello ☐ Clean Sorb ☒ None

Equipment: ☒ Loader ☐ Skid-steer ☒ Excavator ☒ Dozer
☐ Hand Tiller ☐ Manual Means ☒ Other (List): Tractor w/ Seeder

Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Will E&P Waste be generated?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Will hazardous waste be generated?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Will fresh material be required to restore site?

Approx. Cu. Yds.: ~650

Disposal Facility: Permitted Facility

Project Notes

Based on delineation data, elevated arsenic was detected in the area of concern; this area is highlighted yellow on the attached site map and consists of Auger Holes 1 through Auger Hole 6. These results were above the site-specific background level of 3.74 mg/kg. Elevated levels were detected to depths of 18-24 inches below ground surface (bgs).

Many of the areas that lacked vegetation and contained elevated EC and SAR levels at the site were in the above-mentioned area of concern and should be addressed in conjunction with remediation activities.

Etech is recommending all impacted soil will be excavated and disposed of at an approved disposal facility due to levels exceeding regulatory limits.

Please note: Etech is basing the below SOW that impacts do not exceed 42 inches bgs.

Third party charges: disposal, transportation, seed and backfill costs are not included in the estimate below as those will be direct billed to the Client. If these costs are provided, these can be added into the below estimate for total project cost. Etech is basing their timeline on the assumption that the disposal facility is within 150 miles of the site; backfill is within 50 miles of the site; an adequate number of trucks can be provided per day.

Corrective Action Plan

- Place a One Call for the impacted area.
 - Spot all marked utilities within Etech's established work area.
- Utilize a backhoe, and excavator to excavate the impacted areas associated to depths based on delineation data.
 - The excavated soil will be stockpiled on-site with a loader on plastic awaiting transport to a landfill for disposal.
 - Collect confirmation samples and submit to an accredited lab for analysis of chemicals of concerns.
- Utilize a loader to load approximately 650 cubic yards (36 loads) of impacted soil and transport the waste to an approved disposal facility under an approved manifest.
- Upon receipt of passing analytical and approval by the State, backfill the excavated area with material sourced from an approved location and perform site reclamation activities.
- Transport approximately 40 loads of fresh topsoil to the site and utilize a dozer and loader to backfill the excavated areas.
- Perform site restoration activities in accordance with State regulatory requirements.
- Generate and submit a formal Closure Report that includes: a summary of field activities, analytical results, photographic documentation, and confirmation sampling diagrams.

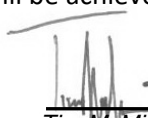
Site Name: Hume 1
 Etech Job Number: 498:14026:001

Estimated Cost

Description	Quantity	Hr. per Day	No. of Days	Total Units	Rate Per Unit	Sub Total
Project Manager	0.00	0.00	0.00	24.00	\$125.00	\$3,000.00
Project Coordinator	0.00	0.00	0.00	8.00	\$70.00	\$560.00
Site Supervisor	1.00	12.00	8.00	96.00	\$90.00	\$8,640.00
Excavator w Operator	1.00	12.00	4.00	48.00	\$160.00	\$7,680.00
Loader w Operator	1.00	12.00	12.00	144.00	\$170.00	\$24,480.00
Environmental Technician	1.00	12.00	12.00	144.00	\$65.00	\$9,360.00
D5 Dozer w Operator	1.00	12.00	8.00	96.00	\$130.00	\$12,480.00
Laboratory (estimate)	25.00	1.00	1.00	25.00	\$92.00	\$2,300.00
Fencing and Supplies	1.00	1.00	1.00	1.00	\$1,800.00	\$1,800.00
Tractor and Seed Drill	1.00	1.00	1.00	1.00	\$450.00	\$450.00
Per Diem	4.00	1.00	12.00	48.00	\$40.00	\$1,920.00
Hotel	4.00	1.00	12.00	48.00	\$120.00	\$5,760.00
Est. Non-Operator Mileage	1500.00	0.00	0.00	1500.00	\$0.90	\$1,350.00
					Total	\$79,780.00
				Overage	0.25	\$19,945.00
					Allowable Total	\$99,725.00

The proposed scope of work and cost estimate are based on understood conditions observed during the site assessment and/or site delineation. Should additional activities outside of the proposed SOW be required and total cost exceeds determination of above estimate, an amended SOW and cost estimate can be submitted for approval.

- Yes No
- ☒ ☐ SOW is based on supporting lab data.
- ☐ ☒ Preliminary delineation and/or assessment costs are included in this CE.
- ☒ ☐ Site requires further delineation activities (will be achieved w/ confirmation results).


 Tim McMin - VP of TX Operations
 Etech Environmental & Safety Solutions, Inc.

The undersigned hereby authorizes the above SOW to be performed, accepts the above cost.

By: Kelly Roberts

Signature: _____

Date: _____

Company: EnerVest Operating, LLC

Title: HSE Manager

Pursuant to Etech's Excavation and Trenching Policies, Etech has re-defined excavation as any activities to where soil may be disturbed in vertical depths greater than four (4) inches below ground surface (bgs). The aforementioned soil disturbance/excavation activities may include but not be limited to;

- hand digging;
- hand auger;
- hand tillers; or
- any soil disturbance resulting from the use of heavy equipment.

Minimal Requirements prior to Etech's aforementioned SOW:

- Etech will place a One-Call line locate prior to any soil disturbance activities and the One-Call will remain current for the duration of the project.
- Etech will hand spot or utilize a hydro-excavator to spot all marked lines within our established work area.
- Etech will utilize an equipment spotter during any excavation activities to where an excavation exceeds four (4) inches in vertical depth with heavy equipment.
- Etech will not conduct any type of excavation activities within the cellar of any production well.
- Areas deemed not accessible with heavy equipment as determined by the supervisor and/or field project manager and/or the project manager, will not be excavated by any type of heavy equipment. Etech will require these areas to be manually excavated.
- Etech will not utilize heavy equipment use within a six (6) foot radius from a pumping unit and/or a well head and/or tank and/or vessel and/or any other type of oil and gas equipment if deemed unsafe.
- Etech will not utilize heavy equipment if overhead utility hazards exist.
- Etech requires operator to mark their underground utilities.

Site Diagram©

Project Name: **Hume 1**

Project No. **14026:001**

Date Sampled: **June 28, 2021**

API: **009-06124**

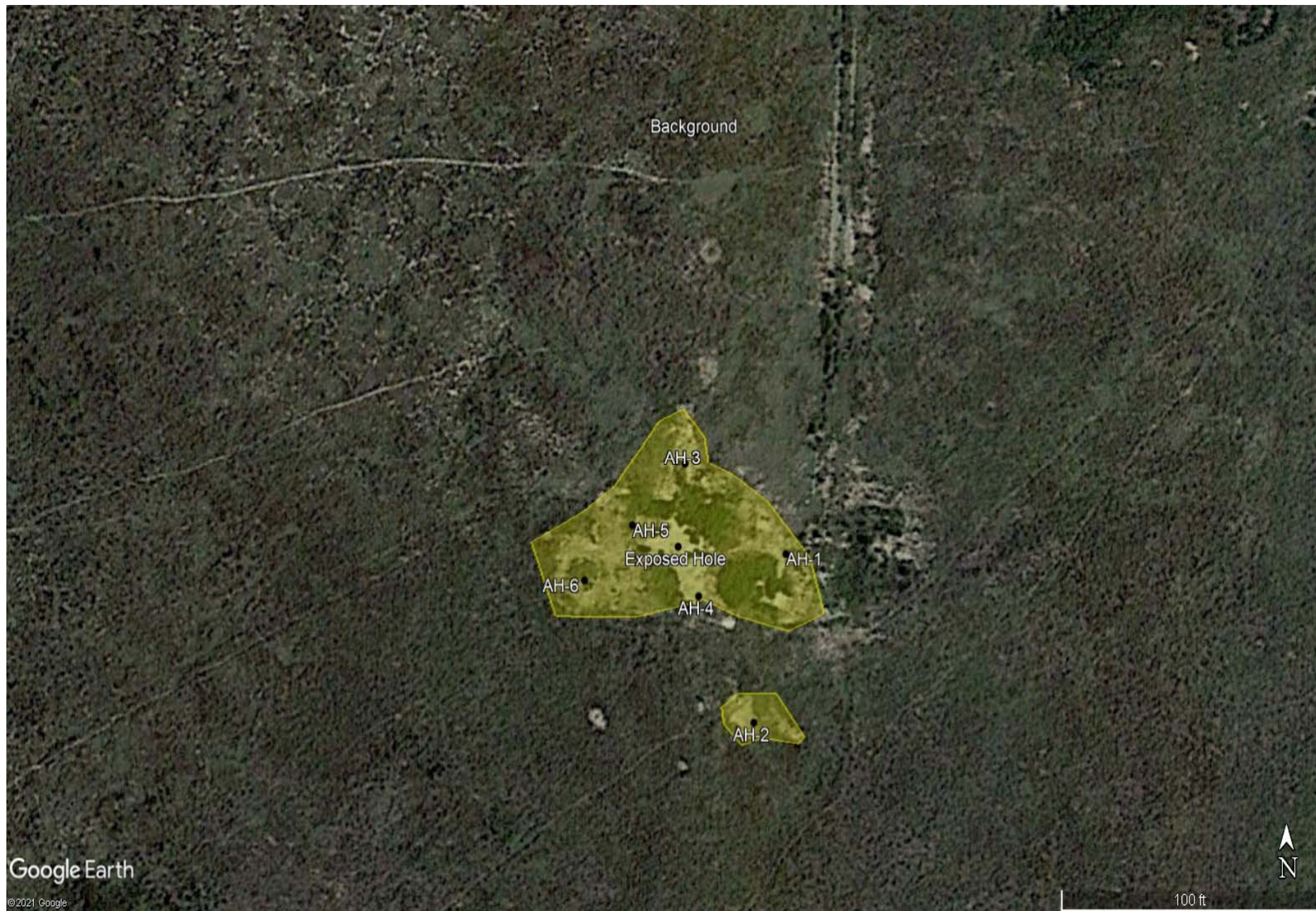


Table 1 Summary of Delineation Analytical Results (Sampled 10/12/18)					
Sample I.D.	Cleanup Levels	AH 1	AH 1	AH 1	AH 1
		0-6"	6-12"	12-18"	18-24"
TPH by 8015 mg/kg					
TPH	500 mg/kg	ND	ND	ND	ND
Soil Suitability					
EC	<4mmhos/cm	1.180	NA	NA	NA
SAR	<6	9.07	NA	NA	NA
pH	6–8.3	8.82	NA	NA	NA
Boron	2mg/l	ND	NA	NA	NA
VOC (8260B) and SVOC (8270C) mg/kg					
Benzene	1.2	ND	ND	ND	ND
Toluene	490	ND	ND	ND	ND
Ethylbenzene	5.8	ND	ND	ND	ND
Total Xylenes	58	ND	ND	ND	ND
1,2,4-trimethylbenzene	30	ND	ND	ND	ND
1,3,5-trimethylbenzene	27	ND	ND	ND	ND
Acenaphthene	360	ND	ND	ND	ND
Anthracene	1800	ND	ND	ND	ND
Benz(a)anthracene	1.1	ND	ND	ND	ND
Benzo(b)fluoranthene	1.1	ND	ND	ND	ND
Benzo(k)fluoranthene	11	ND	ND	ND	ND
Benzo(a)pyrene	0.11	ND	ND	ND	ND
Chrysene	110	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.11	ND	ND	ND	ND
Fluoranthene	240	ND	ND	ND	ND
Fluorene	240	ND	ND	ND	ND
Indeno(1,2,3-cd) pyrene	1.1	ND	ND	ND	ND
1-methylnapthalene	18	ND	ND	ND	ND
2-methylnapthalene	24	ND	ND	ND	ND
Napthalene	2	ND	ND	ND	ND
Pyrene	180	ND	ND	ND	ND
Total Metals by EPA 6010 B, 3060A/7196A mg/kg					
Arsenic	0.68	2.66	3.26	2.89	3.92
Barium	15,000	106	116	158	148
Cadmium	71	ND	ND	ND	ND
Chromium (VI)	0.3	ND	ND	ND	ND
Copper	3,100	9.11	9.21	9.71	10.7
Lead	400	7.06	7.05	8.36	8.5
Nickel	1,500	10.6	11.1	12.1	12.6
Selenium	390	ND	ND	ND	ND
Silver	390	ND	ND	ND	ND
Zinc	23,000	33.5	32.1	37.3	39.5

Table 2 Summary of Delineation Analytical Results (Sampled 10/12/18)					
Sample I.D.	Cleanup Levels	AH 2	AH 2	AH 2	AH 2
		0-6"	6-12"	12-18"	18-24"
TPH by 8015 mg/kg					
TPH	500 mg/kg	ND	ND	ND	ND
Soil Suitability					
EC	<4mmhos/cm	NA	NA	NA	NA
SAR	<6	NA	NA	NA	NA
pH	6–8.3	NA	NA	NA	NA
Boron	2mg/l	NA	NA	NA	NA
VOC (8260B) and SVOC (8270C) mg/kg					
Benzene	1.2	ND	ND	ND	ND
Toluene	490	ND	ND	ND	ND
Ethylbenzene	5.8	ND	ND	ND	ND
Total Xylenes	58	ND	ND	ND	ND
1,2,4-trimethylbenzene	30	ND	ND	ND	ND
1,3,5-trimethylbenzene	27	ND	ND	ND	ND
Acenaphthene	360	ND	ND	ND	ND
Anthracene	1800	ND	ND	ND	ND
Benz(a)anthracene	1.1	ND	ND	ND	ND
Benzo(b)fluoranthene	1.1	ND	ND	ND	ND
Benzo(k)fluoranthene	11	ND	ND	ND	ND
Benzo(a)pyrene	0.11	ND	ND	ND	ND
Chrysene	110	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.11	ND	ND	ND	ND
Fluoranthene	240	ND	ND	ND	ND
Fluorene	240	ND	ND	ND	ND
Indeno(1,2,3-cd) pyrene	1.1	ND	ND	ND	ND
1-methylnapthalene	18	ND	ND	ND	ND
2-methylnapthalene	24	ND	ND	ND	ND
Napthalene	2	ND	ND	ND	ND
Pyrene	180	ND	ND	ND	ND
Total Metals by EPA 6010 B, 3060A/7196A mg/kg					
Arsenic	0.68	ND	2.68	3.89	3.38
Barium	15,000	50.2	105	138	160
Cadmium	71	ND	ND	ND	ND
Chromium (VI)	0.3	ND	ND	ND	ND
Copper	3,100	4.12	7.85	8.66	11.1
Lead	400	4.20	6.52	7.36	9.47
Nickel	1,500	4.95	10.4	11.2	13.3
Selenium	390	ND	ND	ND	ND
Silver	390	ND	ND	ND	ND
Zinc	23,000	16.8	33.1	32.9	43.4

Table 3 Summary of Delineation Analytical Results (Sampled 10/12/18)					
Sample I.D.	Cleanup Levels	AH 3	AH 3	AH 3	AH 3
		0-6"	6-12"	12-18"	18-24"
TPH by 8015 mg/kg					
TPH	500 mg/kg	ND	4.568	ND	ND
Soil Suitability					
EC	<4mmhos/cm	NA	NA	NA	NA
SAR	<6	NA	NA	NA	NA
pH	6–8.3	NA	NA	NA	NA
Boron	2mg/l	NA	NA	NA	NA
VOC (8260B) and SVOC (8270C) mg/kg					
Benzene	1.2	ND	ND	ND	ND
Toluene	490	ND	ND	ND	ND
Ethylbenzene	5.8	ND	ND	ND	ND
Total Xylenes	58	ND	ND	ND	ND
1,2,4-trimethylbenzene	30	ND	ND	ND	ND
1,3,5-trimethylbenzene	27	ND	ND	ND	ND
Acenaphthene	360	ND	ND	ND	ND
Anthracene	1800	ND	ND	ND	ND
Benz(a)anthracene	1.1	ND	ND	ND	ND
Benzo(b)fluoranthene	1.1	ND	ND	ND	ND
Benzo(k)fluoranthene	11	ND	ND	ND	ND
Benzo(a)pyrene	0.11	ND	ND	ND	ND
Chrysene	110	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.11	ND	ND	ND	ND
Fluoranthene	240	ND	ND	ND	ND
Fluorene	240	ND	ND	ND	ND
Indeno(1,2,3-cd) pyrene	1.1	ND	ND	ND	ND
1-methylnapthalene	18	ND	ND	ND	ND
2-methylnapthalene	24	ND	ND	ND	ND
Napthalene	2	ND	ND	ND	ND
Pyrene	180	ND	ND	ND	ND
Total Metals by EPA 6010 B, 3060A/7196A mg/kg					
Arsenic	0.68	2.11	3.30	6.00	5.24
Barium	15,000	93.4	133	223	219
Cadmium	71	ND	ND	ND	ND
Chromium (VI)	0.3	ND	ND	ND	ND
Copper	3,100	6.61	9.75	13.0	12.7
Lead	400	8.18	7.69	11.0	10.8
Nickel	1,500	8.20	11.7	16.9	16.2
Selenium	390	ND	ND	ND	ND
Silver	390	ND	ND	ND	ND
Zinc	23,000	29.4	36.5	50.7	47.5

Table 4 Summary of Delineation Analytical Results (Sampled 10/12/18)					
Sample I.D.	Cleanup Levels	AH 4	AH 4	AH 4	AH 4
		0-6"	6-12"	12-18"	18-24"
TPH by 8015 mg/kg					
TPH	500 mg/kg	ND	4.568	ND	ND
Soil Suitability					
EC	<4mmhos/cm	19.100	NA	NA	NA
SAR	<6	29.4	NA	NA	NA
pH	6–8.3	7.66	NA	NA	NA
Boron	2mg/l	ND	NA	NA	NA
VOC (8260B) and SVOC (8270C) mg/kg					
Benzene	1.2	ND	ND	ND	ND
Toluene	490	ND	ND	ND	ND
Ethylbenzene	5.8	ND	ND	ND	ND
Total Xylenes	58	ND	ND	ND	ND
1,2,4-trimethylbenzene	30	ND	ND	ND	ND
1,3,5-trimethylbenzene	27	ND	ND	ND	ND
Acenaphthene	360	ND	ND	ND	ND
Anthracene	1800	ND	ND	ND	ND
Benz(a)anthracene	1.1	ND	ND	ND	ND
Benzo(b)fluoranthene	1.1	ND	ND	ND	ND
Benzo(k)fluoranthene	11	ND	ND	ND	ND
Benzo(a)pyrene	0.11	ND	ND	ND	ND
Chrysene	110	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.11	ND	ND	ND	ND
Fluoranthene	240	ND	ND	ND	ND
Fluorene	240	ND	ND	ND	ND
Indeno(1,2,3-cd) pyrene	1.1	ND	ND	ND	ND
1-methylnapthalene	18	ND	ND	ND	ND
2-methylnapthalene	24	ND	ND	ND	ND
Napthalene	2	ND	ND	ND	ND
Pyrene	180	ND	ND	ND	ND
Total Metals by EPA 6010 B, 3060A/7196A mg/kg					
Arsenic	0.68	2.43	3.14	4.08	4.02
Barium	15,000	97.5	59.0	146	203
Cadmium	71	ND	ND	ND	ND
Chromium (VI)	0.3	ND	ND	ND	ND
Copper	3,100	6.84	9.87	9.54	10.6
Lead	400	8.07	7.99	7.45	8.32
Nickel	1,500	8.73	10.3	10.4	11.4
Selenium	390	ND	ND	ND	ND
Silver	390	ND	ND	ND	ND
Zinc	23,000	31.8	28.8	29.7	32.5

Table 5 Summary of Delineation Analytical Results (Sampled 10/12/18)					
Sample I.D.	Cleanup Levels	AH 5	AH 5	AH 5	AH 5
		0-6"	6-12"	12-18"	18-24"
TPH by 8015 mg/kg					
TPH	500 mg/kg	ND	4.568	ND	ND
Soil Suitability					
EC	<4mmhos/cm	NA	NA	NA	NA
SAR	<6	NA	NA	NA	NA
pH	6–8.3	NA	NA	NA	NA
Boron	2mg/l	NA	NA	NA	NA
VOC (8260B) and SVOC (8270C) mg/kg					
Benzene	1.2	ND	ND	ND	ND
Toluene	490	ND	ND	ND	ND
Ethylbenzene	5.8	ND	ND	ND	ND
Total Xylenes	58	ND	ND	ND	ND
1,2,4-trimethylbenzene	30	ND	ND	ND	ND
1,3,5-trimethylbenzene	27	ND	ND	ND	ND
Acenaphthene	360	ND	ND	ND	ND
Anthracene	1800	ND	ND	ND	ND
Benz(a)anthracene	1.1	ND	ND	ND	ND
Benzo(b)fluoranthene	1.1	ND	ND	ND	ND
Benzo(k)fluoranthene	11	ND	ND	ND	ND
Benzo(a)pyrene	0.11	ND	ND	ND	ND
Chrysene	110	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.11	ND	ND	ND	ND
Fluoranthene	240	ND	ND	ND	ND
Fluorene	240	ND	ND	ND	ND
Indeno(1,2,3-cd) pyrene	1.1	ND	ND	ND	ND
1-methylnapthalene	18	ND	ND	ND	ND
2-methylnapthalene	24	ND	ND	ND	ND
Napthalene	2	ND	ND	ND	ND
Pyrene	180	ND	ND	ND	ND
Total Metals by EPA 6010 B, 3060A/7196A mg/kg					
Arsenic	0.68	3.4	3.61	3.06	4.67
Barium	15,000	114	111	180	147
Cadmium	71	ND	ND	ND	ND
Chromium (VI)	0.3	ND	ND	ND	ND
Copper	3,100	9.33	9.19	10.6	11.1
Lead	400	7.45	7.74	7.94	9.04
Nickel	1,500	10.1	9.73	11.2	11.7
Selenium	390	ND	ND	ND	ND
Silver	390	ND	ND	ND	ND
Zinc	23,000	30.1	25.5	32.7	33.9

Table 6 Summary of Delineation Analytical Results (Sampled 10/12/18)					
Sample I.D.	Cleanup Levels	AH 6	AH 6	AH 6	AH 6
		0-6"	6-12"	12-18"	18-24"
TPH by 8015 mg/kg					
TPH	500 mg/kg	5.50	ND	ND	ND
Soil Suitability					
EC	<4mmhos/cm	NA	NA	NA	NA
SAR	<6	NA	NA	NA	NA
pH	6–8.3	NA	NA	NA	NA
Boron	2mg/l	NA	NA	NA	NA
VOC (8260B) and SVOC (8270C) mg/kg					
Benzene	1.2	ND	ND	ND	ND
Toluene	490	ND	ND	ND	ND
Ethylbenzene	5.8	ND	ND	ND	ND
Total Xylenes	58	ND	ND	ND	ND
1,2,4-trimethylbenzene	30	ND	ND	ND	ND
1,3,5-trimethylbenzene	27	ND	ND	ND	ND
Acenaphthene	360	ND	ND	ND	ND
Anthracene	1800	ND	ND	ND	ND
Benz(a)anthracene	1.1	ND	ND	ND	ND
Benzo(b)fluoranthene	1.1	ND	ND	ND	ND
Benzo(k)fluoranthene	11	ND	ND	ND	ND
Benzo(a)pyrene	0.11	ND	ND	ND	ND
Chrysene	110	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.11	ND	ND	ND	ND
Fluoranthene	240	ND	ND	ND	ND
Fluorene	240	ND	ND	ND	ND
Indeno(1,2,3-cd) pyrene	1.1	ND	ND	ND	ND
1-methylnapthalene	18	ND	ND	ND	ND
2-methylnapthalene	24	ND	ND	ND	ND
Napthalene	2	ND	ND	ND	ND
Pyrene	180	ND	ND	ND	ND
Total Metals by EPA 6010 B, 3060A/7196A mg/kg					
Arsenic	0.68	3.17	2.72	3.08	3.21
Barium	15,000	86.8	88.7	111	122
Cadmium	71	ND	ND	ND	ND
Chromium (VI)	0.3	ND	ND	ND	ND
Copper	3,100	7.84	7.73	7.91	8.88
Lead	400	7.18	6.84	7.20	8.15
Nickel	1,500	8.28	8.15	9.34	10.1
Selenium	390	ND	ND	ND	ND
Silver	390	ND	ND	ND	ND
Zinc	23,000	22.4	22.0	26.4	26.7

Table 7 Summary of Delineation Analytical Results (Sampled 10/12/18)			
Sample I.D.	Cleanup Levels	Exposed Hole	Background
		Grab	Grab
TPH by 8015 mg/kg			
TPH	500 mg/kg	5.48	NA
Soil Suitability			
EC	<4mmhos/cm	NA	0.265
SAR	<6	NA	0.910
pH	6–8.3	NA	8.16
Boron	2mg/l	NA	ND
VOC (8260B) and SVOC (8270C) mg/kg			
Benzene	1.2	ND	NA
Toluene	490	ND	NA
Ethylbenzene	5.8	ND	NA
Total Xylenes	58	ND	NA
1,2,4-trimethylbenzene	30	ND	NA
1,3,5-trimethylbenzene	27	ND	NA
Acenaphthene	360	ND	NA
Anthracene	1800	ND	NA
Benz(a)anthracene	1.1	ND	NA
Benzo(b)fluoranthene	1.1	ND	NA
Benzo(k)fluoranthene	11	ND	NA
Benzo(a)pyrene	0.11	ND	NA
Chrysene	110	ND	NA
Dibenzo(a,h)anthracene	0.11	ND	NA
Fluoranthene	240	ND	NA
Fluorene	240	ND	NA
Indeno(1,2,3-cd) pyrene	1.1	ND	NA
1-methylnapthalene	18	NA	NA
2-methylnapthalene	24	NA	NA
Napthalene	2	ND	NA
Pyrene	180	ND	NA
Total Metals by EPA 6010 B, 3060A/7196A mg/kg			
Arsenic	0.68	8.24	3.74
Barium	15,000	190	115
Cadmium	71	ND	ND
Chromium (VI)	0.3	ND	ND
Copper	3,100	10.2	8.39
Lead	400	8.10	6.55
Nickel	1,500	11.6	9.17
Selenium	390	ND	ND
Silver	390	ND	ND
Zinc	23,000	34.8	22.9

***Bold** denotes analytical result exceeding cleanup level and/or site specific background level

*ND denotes no analytical detection

*NA denotes not analyzed or reported

Etech Environmental- Midland, TX

Sample Delivery Group: L1373385
Samples Received: 07/01/2021
Project Number: 14026
Description: Colorado Reclamations - Hume #1

Report To: Tim McMinn
PO Box 62228
Midland, TX 79711

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Entire Report Reviewed By:



Jennifer Gambill
Project Manager

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 Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	4
Cn: Case Narrative	10
Sr: Sample Results	11
AUGER HOLE 1 0-6" L1373385-01	11
AUGER HOLE 1 6"-12" L1373385-02	15
AUGER HOLE 1 12"-18" L1373385-03	19
AUGER HOLE 1 18"-24" L1373385-04	23
AUGER HOLE 2 0-6" L1373385-05	27
AUGER HOLE 2 6"-12" L1373385-06	31
AUGER HOLE 2 12"-18" L1373385-07	35
AUGER HOLE 2 18"-24" L1373385-08	39
AUGER HOLE 3 0-6" L1373385-09	43
AUGER HOLE 3 6"-12" L1373385-10	47
AUGER HOLE 3 12"-18" L1373385-11	51
AUGER HOLE 3 18"-24" L1373385-12	55
AUGER HOLE 4 0-6" L1373385-13	59
AUGER HOLE 4 6"-12" L1373385-14	63
AUGER HOLE 4 12"-18" L1373385-15	67
AUGER HOLE 4 18"-24" L1373385-16	71
AUGER HOLE 5 0-6" L1373385-17	75
AUGER HOLE 5 6"-12" L1373385-18	79
AUGER HOLE 5 12"-18" L1373385-19	83
AUGER HOLE 5 18"-24" L1373385-20	87
AUGER HOLE 6 0-6" L1373385-21	91
AUGER HOLE 6 6"-12" L1373385-22	95
AUGER HOLE 6 12"-18" L1373385-23	99
AUGER HOLE 6 18"-24" L1373385-24	103
BACKGROUND L1373385-25	107
EXPOSED HOLE L1373385-26	108
Qc: Quality Control Summary	112
Wet Chemistry by Method 3060A/7196A	112
Wet Chemistry by Method 9045D	114
Wet Chemistry by Method 9050AMod	115
Metals (ICP) by Method 6010B	116
Volatile Organic Compounds (GC) by Method 8015D/GRO	122
Volatile Organic Compounds (GC/MS) by Method 8260B	125
Semi-Volatile Organic Compounds (GC) by Method 8015	135
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	137

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

Gl: Glossary of Terms

Al: Accreditations & Locations

Sc: Sample Chain of Custody

154

155

156

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

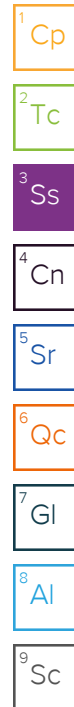
⁸Al

⁹Sc

SAMPLE SUMMARY

AUGER HOLE 1 0-6" L1373385-01 Solid

				Collected by BE/DP	Collected date/time 06/28/21 12:40	Received date/time 07/01/21 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1700074	1	07/08/21 01:55	07/08/21 01:55	CCE	Mt. Juliet, TN
Wet Chemistry by Method 3060A/7196A	WG1700137	1	07/08/21 12:41	07/09/21 12:26	BFG	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1700763	1	07/06/21 13:08	07/07/21 14:00	GJA	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1699990	1	07/07/21 11:11	07/07/21 17:59	AMH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1699613	1	07/07/21 16:24	07/08/21 22:02	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1701102	1	07/03/21 17:40	07/09/21 10:42	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1700595	1	07/03/21 17:40	07/06/21 13:43	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1700837	1	07/07/21 08:31	07/07/21 18:09	CAG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1700175	1	07/05/21 01:43	07/06/21 14:49	SHG	Mt. Juliet, TN



AUGER HOLE 1 6"-12" L1373385-02 Solid

				Collected by BE/DP	Collected date/time 06/28/21 12:42	Received date/time 07/01/21 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 3060A/7196A	WG1700137	1	07/08/21 12:41	07/09/21 12:34	BFG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1699613	1	07/07/21 16:24	07/08/21 22:05	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1701102	1.01	07/03/21 17:40	07/09/21 11:03	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1700595	1	07/03/21 17:40	07/06/21 14:02	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1700837	1	07/07/21 08:31	07/07/21 15:11	CAG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1700175	1	07/05/21 01:43	07/06/21 15:51	SHG	Mt. Juliet, TN

AUGER HOLE 1 12"-18" L1373385-03 Solid

				Collected by BE/DP	Collected date/time 06/28/21 12:44	Received date/time 07/01/21 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 3060A/7196A	WG1700137	1	07/08/21 12:41	07/09/21 12:35	BFG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1699613	1	07/07/21 16:24	07/08/21 22:08	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1701735	1	07/03/21 17:40	07/08/21 09:22	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1700595	1	07/03/21 17:40	07/06/21 14:21	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1700837	1	07/07/21 08:31	07/07/21 15:25	CAG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1700175	1	07/05/21 01:43	07/06/21 16:52	SHG	Mt. Juliet, TN

AUGER HOLE 1 18"-24" L1373385-04 Solid

				Collected by BE/DP	Collected date/time 06/28/21 12:46	Received date/time 07/01/21 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 3060A/7196A	WG1700137	1	07/08/21 12:41	07/09/21 12:36	BFG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1699613	1	07/07/21 16:24	07/08/21 22:10	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1701735	1	07/03/21 17:40	07/08/21 09:46	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1700595	1	07/03/21 17:40	07/06/21 14:40	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1700837	1	07/07/21 08:31	07/07/21 15:39	CAG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1700175	1	07/05/21 01:43	07/06/21 17:13	SHG	Mt. Juliet, TN

AUGER HOLE 2 0-6" L1373385-05 Solid

				Collected by BE/DP	Collected date/time 06/28/21 12:48	Received date/time 07/01/21 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 3060A/7196A	WG1700137	1	07/08/21 12:41	07/09/21 12:36	BFG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1699613	1	07/07/21 16:24	07/08/21 22:13	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1701735	1	07/03/21 17:40	07/08/21 10:10	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1700595	1	07/03/21 17:40	07/06/21 14:59	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1700837	1	07/07/21 08:31	07/07/21 17:14	CAG	Mt. Juliet, TN

SAMPLE SUMMARY

AUGER HOLE 2 0-6" L1373385-05 Solid

Collected by
BE/DP

Collected date/time
06/28/21 12:48

Received date/time
07/01/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1700175	1	07/05/21 01:43	07/06/21 17:34	SHG	Mt. Juliet, TN

AUGER HOLE 2 6"-12" L1373385-06 Solid

Collected by
BE/DP

Collected date/time
06/28/21 12:50

Received date/time
07/01/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 3060A/7196A	WG1700137	1	07/08/21 12:41	07/09/21 12:37	BFG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1699900	1	07/07/21 17:15	07/08/21 18:35	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1701735	1	07/03/21 17:40	07/08/21 10:34	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1700595	1	07/03/21 17:40	07/06/21 15:18	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1700837	1	07/07/21 08:31	07/07/21 17:28	CAG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1700175	1	07/05/21 01:43	07/06/21 17:54	SHG	Mt. Juliet, TN

AUGER HOLE 2 12"-18" L1373385-07 Solid

Collected by
BE/DP

Collected date/time
06/28/21 12:52

Received date/time
07/01/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 3060A/7196A	WG1700137	1	07/08/21 12:41	07/09/21 12:37	BFG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1699900	1	07/07/21 17:15	07/08/21 18:38	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1701735	1	07/03/21 17:40	07/08/21 10:58	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1700595	1	07/03/21 17:40	07/06/21 15:37	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1700837	1	07/07/21 08:31	07/07/21 15:52	CAG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1700175	1	07/05/21 01:43	07/06/21 16:12	SHG	Mt. Juliet, TN

AUGER HOLE 2 18"-24" L1373385-08 Solid

Collected by
BE/DP

Collected date/time
06/28/21 12:54

Received date/time
07/01/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 3060A/7196A	WG1700137	1	07/08/21 12:41	07/09/21 12:37	BFG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1699900	1	07/07/21 17:15	07/08/21 18:46	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1701735	1	07/03/21 17:40	07/08/21 11:43	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1700595	1	07/03/21 17:40	07/06/21 15:56	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1700837	1	07/07/21 08:31	07/07/21 16:33	CAG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1700175	1	07/05/21 01:43	07/06/21 16:32	SHG	Mt. Juliet, TN

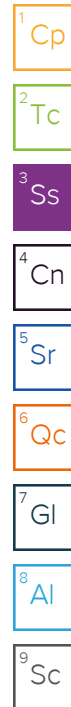
AUGER HOLE 3 0-6" L1373385-09 Solid

Collected by
BE/DP

Collected date/time
06/28/21 12:56

Received date/time
07/01/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 3060A/7196A	WG1700137	1	07/08/21 12:41	07/09/21 12:38	BFG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1699900	1	07/07/21 17:15	07/08/21 18:49	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1701735	1	07/03/21 17:40	07/08/21 12:07	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1700595	1	07/03/21 17:40	07/06/21 16:15	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1700837	1	07/07/21 08:31	07/07/21 18:23	CAG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1701393	1	07/07/21 19:46	07/08/21 18:03	SHG	Mt. Juliet, TN



SAMPLE SUMMARY

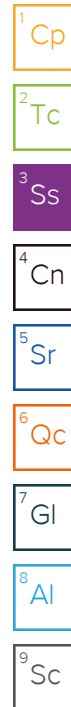
AUGER HOLE 3 6"-12" L1373385-10 Solid

Collected by
BE/DP

Collected date/time
06/28/21 12:58

Received date/time
07/01/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 3060A/7196A	WG1700138	1	07/08/21 11:45	07/08/21 20:34	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1699900	1	07/07/21 17:15	07/08/21 18:51	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1701735	1	07/03/21 17:40	07/08/21 12:31	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1700625	1	07/03/21 17:40	07/06/21 16:53	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1700837	1	07/07/21 08:31	07/07/21 18:36	CAG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1701393	1	07/07/21 19:46	07/08/21 17:43	SHG	Mt. Juliet, TN



AUGER HOLE 3 12"-18" L1373385-11 Solid

Collected by
BE/DP

Collected date/time
06/28/21 13:00

Received date/time
07/01/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 3060A/7196A	WG1700138	1	07/08/21 11:45	07/08/21 20:36	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1699900	1	07/07/21 17:15	07/08/21 18:54	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1701735	1	07/03/21 17:40	07/08/21 13:42	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1700625	1	07/03/21 17:40	07/06/21 17:11	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1700837	1	07/07/21 08:31	07/07/21 17:55	CAG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1701393	1	07/07/21 19:46	07/08/21 17:22	SHG	Mt. Juliet, TN

AUGER HOLE 3 18"-24" L1373385-12 Solid

Collected by
BE/DP

Collected date/time
06/28/21 13:02

Received date/time
07/01/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 3060A/7196A	WG1700138	1	07/08/21 11:45	07/08/21 20:36	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1699900	1	07/07/21 17:15	07/08/21 18:57	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1701735	1	07/03/21 17:40	07/08/21 14:06	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1700625	1	07/03/21 17:40	07/06/21 17:30	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1700837	1	07/07/21 08:31	07/07/21 17:42	CAG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1701393	1	07/07/21 19:46	07/08/21 12:53	SHG	Mt. Juliet, TN

AUGER HOLE 4 0-6" L1373385-13 Solid

Collected by
BE/DP

Collected date/time
06/28/21 12:56

Received date/time
07/01/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1700074	1	07/08/21 01:58	07/08/21 01:58	CCE	Mt. Juliet, TN
Wet Chemistry by Method 3060A/7196A	WG1700138	1	07/08/21 11:45	07/08/21 20:36	KPS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1700763	1	07/06/21 13:08	07/07/21 14:00	GJA	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1699990	1	07/07/21 11:11	07/07/21 17:59	AMH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1699900	1	07/07/21 17:15	07/08/21 19:00	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1701735	1	07/03/21 17:40	07/08/21 14:30	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1700625	1.01	07/03/21 17:40	07/06/21 17:49	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1701405	1	07/07/21 15:39	07/08/21 16:10	AEG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1701393	1	07/07/21 19:46	07/08/21 18:24	SHG	Mt. Juliet, TN

AUGER HOLE 4 6"-12" L1373385-14 Solid

Collected by
BE/DP

Collected date/time
06/28/21 12:58

Received date/time
07/01/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 3060A/7196A	WG1700138	1	07/08/21 11:45	07/08/21 20:36	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1699573	1	07/08/21 16:26	07/08/21 23:15	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1701735	1	07/03/21 17:40	07/08/21 14:54	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1700625	1	07/03/21 17:40	07/06/21 18:08	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1701405	1	07/07/21 15:39	07/08/21 14:07	AEG	Mt. Juliet, TN

SAMPLE SUMMARY

AUGER HOLE 4 6"-12" L1373385-14 Solid

				Collected by BE/DP	Collected date/time 06/28/21 12:58	Received date/time 07/01/21 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1701393	1	07/07/21 19:46	07/08/21 12:33	SHG	Mt. Juliet, TN

AUGER HOLE 4 12"-18" L1373385-15 Solid

				Collected by BE/DP	Collected date/time 06/28/21 13:00	Received date/time 07/01/21 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 3060A/7196A	WG1700138	1	07/08/21 11:45	07/08/21 20:36	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1699573	1	07/08/21 16:26	07/08/21 23:18	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1701777	1.01	07/03/21 17:40	07/08/21 16:59	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1700625	1	07/03/21 17:40	07/06/21 18:27	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1701405	1	07/07/21 15:39	07/08/21 16:37	AEG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1701393	1	07/07/21 19:46	07/08/21 11:31	SHG	Mt. Juliet, TN

AUGER HOLE 4 18"-24" L1373385-16 Solid

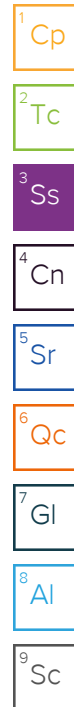
				Collected by BE/DP	Collected date/time 06/28/21 13:02	Received date/time 07/01/21 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 3060A/7196A	WG1700138	1	07/08/21 11:45	07/08/21 20:36	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1699573	1	07/08/21 16:26	07/08/21 23:21	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1701777	1.01	07/03/21 17:40	07/08/21 17:20	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1700625	1	07/03/21 17:40	07/06/21 18:46	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1701405	1	07/07/21 15:39	07/08/21 14:20	AEG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1701393	1	07/07/21 19:46	07/08/21 11:11	SHG	Mt. Juliet, TN

AUGER HOLE 5 0-6" L1373385-17 Solid

				Collected by BE/DP	Collected date/time 06/28/21 13:04	Received date/time 07/01/21 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 3060A/7196A	WG1700138	1	07/08/21 11:45	07/08/21 20:36	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1699573	1	07/08/21 16:26	07/08/21 23:24	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1701777	1.01	07/03/21 17:40	07/08/21 17:42	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1700625	1	07/03/21 17:40	07/06/21 19:05	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1701405	1	07/07/21 15:39	07/08/21 15:42	AEG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1701393	1	07/07/21 19:46	07/08/21 13:35	SHG	Mt. Juliet, TN

AUGER HOLE 5 6"-12" L1373385-18 Solid

				Collected by BE/DP	Collected date/time 06/28/21 13:06	Received date/time 07/01/21 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 3060A/7196A	WG1700138	1	07/08/21 11:45	07/08/21 20:37	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1699573	1	07/08/21 16:26	07/08/21 23:27	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1701777	1	07/03/21 17:40	07/08/21 18:03	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1700625	1	07/03/21 17:40	07/06/21 20:40	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1701405	1	07/07/21 15:39	07/08/21 15:01	AEG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1701393	1	07/07/21 19:46	07/08/21 13:55	SHG	Mt. Juliet, TN



SAMPLE SUMMARY

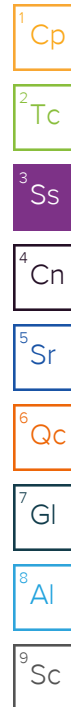
AUGER HOLE 5 12"-18" L1373385-19 Solid

Collected by
BE/DP

Collected date/time
06/28/21 13:08

Received date/time
07/01/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 3060A/7196A	WG1700138	1	07/08/21 11:45	07/08/21 20:37	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1699573	1	07/08/21 16:26	07/08/21 23:29	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1701777	1.01	07/03/21 17:40	07/08/21 18:25	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1700625	1	07/03/21 17:40	07/06/21 20:59	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1701405	1	07/07/21 15:39	07/08/21 15:15	AEG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1701393	1	07/07/21 19:46	07/08/21 14:16	SHG	Mt. Juliet, TN



AUGER HOLE 5 18"-24" L1373385-20 Solid

Collected by
BE/DP

Collected date/time
06/28/21 13:10

Received date/time
07/01/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 3060A/7196A	WG1700138	1	07/08/21 11:45	07/08/21 20:37	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1699573	1	07/08/21 16:26	07/08/21 23:32	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1701777	1	07/03/21 17:40	07/08/21 18:46	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1700625	1	07/03/21 17:40	07/06/21 21:18	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1701405	1	07/07/21 15:39	07/08/21 15:56	AEG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1701393	1	07/07/21 19:46	07/08/21 13:14	SHG	Mt. Juliet, TN

AUGER HOLE 6 0-6" L1373385-21 Solid

Collected by
BE/DP

Collected date/time
06/28/21 13:08

Received date/time
07/01/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 3060A/7196A	WG1700138	1	07/08/21 11:45	07/08/21 20:37	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1699573	1	07/08/21 16:26	07/08/21 23:35	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1701777	1	07/03/21 20:52	07/08/21 19:08	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1700625	1	07/03/21 20:52	07/06/21 21:38	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1701405	1	07/07/21 15:39	07/08/21 16:51	AEG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1701393	1	07/07/21 19:46	07/08/21 18:45	SHG	Mt. Juliet, TN

AUGER HOLE 6 6"-12" L1373385-22 Solid

Collected by
BE/DP

Collected date/time
06/28/21 13:10

Received date/time
07/01/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 3060A/7196A	WG1700138	1	07/08/21 11:45	07/08/21 20:38	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1699573	1	07/08/21 16:26	07/08/21 23:43	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1701777	1	07/03/21 20:52	07/08/21 19:29	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1700625	1	07/03/21 20:52	07/06/21 21:57	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1701405	1	07/07/21 15:39	07/08/21 15:29	AEG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1701393	1	07/07/21 19:46	07/08/21 15:39	SHG	Mt. Juliet, TN

AUGER HOLE 6 12"-18" L1373385-23 Solid

Collected by
BE/DP

Collected date/time
06/28/21 13:12

Received date/time
07/01/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 3060A/7196A	WG1700138	1	07/08/21 11:45	07/08/21 20:38	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1699573	1	07/08/21 16:26	07/08/21 23:46	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1701777	1	07/03/21 20:52	07/08/21 19:51	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1700625	1	07/03/21 20:52	07/06/21 22:16	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1701405	1	07/07/21 15:39	07/08/21 14:34	AEG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1701393	1	07/07/21 19:46	07/08/21 16:00	SHG	Mt. Juliet, TN

SAMPLE SUMMARY

AUGER HOLE 6 18"-24" L1373385-24 Solid

Collected by
BE/DP

Collected date/time
06/28/21 13:14

Received date/time
07/01/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 3060A/7196A	WG1700138	1	07/08/21 11:45	07/08/21 20:38	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1699573	1	07/08/21 16:26	07/08/21 23:49	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1701777	1.01	07/03/21 20:52	07/08/21 20:12	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1700625	1	07/03/21 20:52	07/06/21 22:35	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1701405	1	07/07/21 15:39	07/08/21 14:48	AEG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1701394	1	07/07/21 20:02	07/08/21 17:17	SHG	Mt. Juliet, TN

BACKGROUND L1373385-25 Solid

Collected by
BE/DP

Collected date/time
06/28/21 13:12

Received date/time
07/01/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1700074	1	07/08/21 02:01	07/08/21 02:01	CCE	Mt. Juliet, TN
Wet Chemistry by Method 3060A/7196A	WG1700138	1	07/08/21 11:45	07/08/21 20:38	KPS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1700763	1	07/06/21 13:08	07/07/21 14:00	GJA	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1699990	1	07/07/21 11:11	07/07/21 17:59	AMH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1699573	1	07/08/21 16:26	07/08/21 23:52	CCE	Mt. Juliet, TN

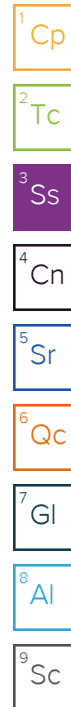
EXPOSED HOLE L1373385-26 Solid

Collected by
BE/DP

Collected date/time
06/28/21 13:21

Received date/time
07/01/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 3060A/7196A	WG1700138	1	07/08/21 11:45	07/08/21 20:39	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1699573	1	07/08/21 16:26	07/08/21 23:55	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1701777	1	07/03/21 20:52	07/08/21 20:34	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1700625	1	07/03/21 20:52	07/06/21 22:54	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1701405	1	07/07/21 15:39	07/08/21 16:23	AEG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1701394	1	07/07/21 20:02	07/09/21 11:24	SHG	Mt. Juliet, TN



CASE NARRATIVE

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 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.



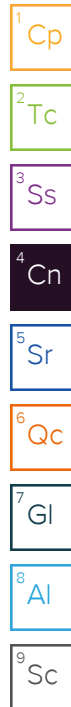
Jennifer Gambill
Project Manager

Report Revision History

Level II Report - Version 1: 07/14/21 15:48

Project Narrative

The following report has been revised to update the SVOC 8270 list.



AUGER HOLE 1 0-6"

Collected date/time: 06/28/21 12:40

SAMPLE RESULTS - 01

L1373385

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	9.07		1	07/08/2021 01:55	WG1700074

Wet Chemistry by Method 3060A/7196A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium, Hexavalent	ND		2.00	1	07/09/2021 12:26	WG1700137

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.82	T8	1	07/07/2021 14:00	WG1700763

Sample Narrative:

L1373385-01 WG1700763: 8.82 at 21.4C

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	1180		10.0	1	07/07/2021 17:59	WG1699990

Metals (ICP) by Method 6010B

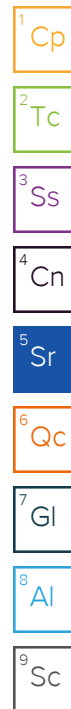
Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.66		2.00	1	07/08/2021 22:02	WG16999613
Barium	106		0.500	1	07/08/2021 22:02	WG16999613
Boron	ND		10.0	1	07/08/2021 22:02	WG16999613
Cadmium	ND		0.500	1	07/08/2021 22:02	WG16999613
Copper	9.11		2.00	1	07/08/2021 22:02	WG16999613
Lead	7.06		0.500	1	07/08/2021 22:02	WG16999613
Nickel	10.6		2.00	1	07/08/2021 22:02	WG16999613
Selenium	ND		2.00	1	07/08/2021 22:02	WG16999613
Silver	ND		1.00	1	07/08/2021 22:02	WG16999613
Zinc	33.5		5.00	1	07/08/2021 22:02	WG16999613

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	07/09/2021 10:42	WG1701102
(S) a,a,a-Trifluorotoluene(FID)	103		77.0-120		07/09/2021 10:42	WG1701102

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	07/06/2021 13:43	WG1700595
Acrylonitrile	ND		0.0125	1	07/06/2021 13:43	WG1700595
Benzene	ND		0.00100	1	07/06/2021 13:43	WG1700595
Bromobenzene	ND		0.0125	1	07/06/2021 13:43	WG1700595
Bromodichloromethane	ND		0.00250	1	07/06/2021 13:43	WG1700595
Bromoform	ND		0.0250	1	07/06/2021 13:43	WG1700595
Bromomethane	ND		0.0125	1	07/06/2021 13:43	WG1700595
n-Butylbenzene	ND		0.0125	1	07/06/2021 13:43	WG1700595
sec-Butylbenzene	ND		0.0125	1	07/06/2021 13:43	WG1700595
tert-Butylbenzene	ND		0.00500	1	07/06/2021 13:43	WG1700595



AUGER HOLE 1 0-6"

Collected date/time: 06/28/21 12:40

SAMPLE RESULTS - 01

L1373385

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Carbon tetrachloride	ND		0.00500	1	07/06/2021 13:43	WG1700595
Chlorobenzene	ND		0.00250	1	07/06/2021 13:43	WG1700595
Chlorodibromomethane	ND		0.00250	1	07/06/2021 13:43	WG1700595
Chloroethane	ND		0.00500	1	07/06/2021 13:43	WG1700595
Chloroform	ND		0.00250	1	07/06/2021 13:43	WG1700595
Chloromethane	ND		0.0125	1	07/06/2021 13:43	WG1700595
2-Chlorotoluene	ND		0.00250	1	07/06/2021 13:43	WG1700595
4-Chlorotoluene	ND		0.00500	1	07/06/2021 13:43	WG1700595
1,2-Dibromo-3-Chloropropane	ND		0.0250	1	07/06/2021 13:43	WG1700595
1,2-Dibromoethane	ND		0.00250	1	07/06/2021 13:43	WG1700595
Dibromomethane	ND		0.00500	1	07/06/2021 13:43	WG1700595
1,2-Dichlorobenzene	ND		0.00500	1	07/06/2021 13:43	WG1700595
1,3-Dichlorobenzene	ND		0.00500	1	07/06/2021 13:43	WG1700595
1,4-Dichlorobenzene	ND		0.00500	1	07/06/2021 13:43	WG1700595
Dichlorodifluoromethane	ND		0.00250	1	07/06/2021 13:43	WG1700595
1,1-Dichloroethane	ND		0.00250	1	07/06/2021 13:43	WG1700595
1,2-Dichloroethane	ND		0.00250	1	07/06/2021 13:43	WG1700595
1,1-Dichloroethene	ND		0.00250	1	07/06/2021 13:43	WG1700595
cis-1,2-Dichloroethene	ND		0.00250	1	07/06/2021 13:43	WG1700595
trans-1,2-Dichloroethene	ND		0.00500	1	07/06/2021 13:43	WG1700595
1,2-Dichloropropane	ND		0.00500	1	07/06/2021 13:43	WG1700595
1,1-Dichloropropene	ND		0.00250	1	07/06/2021 13:43	WG1700595
1,3-Dichloropropane	ND		0.00500	1	07/06/2021 13:43	WG1700595
cis-1,3-Dichloropropene	ND		0.00250	1	07/06/2021 13:43	WG1700595
trans-1,3-Dichloropropene	ND		0.00500	1	07/06/2021 13:43	WG1700595
2,2-Dichloropropane	ND		0.00250	1	07/06/2021 13:43	WG1700595
Di-isopropyl ether	ND		0.00100	1	07/06/2021 13:43	WG1700595
Ethylbenzene	ND		0.00250	1	07/06/2021 13:43	WG1700595
Hexachloro-1,3-butadiene	ND		0.0250	1	07/06/2021 13:43	WG1700595
Isopropylbenzene	ND		0.00250	1	07/06/2021 13:43	WG1700595
p-Isopropyltoluene	ND		0.00500	1	07/06/2021 13:43	WG1700595
2-Butanone (MEK)	ND		0.100	1	07/06/2021 13:43	WG1700595
Methylene Chloride	ND		0.0250	1	07/06/2021 13:43	WG1700595
4-Methyl-2-pentanone (MIBK)	ND		0.0250	1	07/06/2021 13:43	WG1700595
Methyl tert-butyl ether	ND		0.00100	1	07/06/2021 13:43	WG1700595
Naphthalene	ND	J4	0.0125	1	07/06/2021 13:43	WG1700595
n-Propylbenzene	ND		0.00500	1	07/06/2021 13:43	WG1700595
Styrene	ND		0.0125	1	07/06/2021 13:43	WG1700595
1,1,1,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 13:43	WG1700595
1,1,2,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 13:43	WG1700595
1,1,2-Trichlorotrifluoroethane	ND		0.00250	1	07/06/2021 13:43	WG1700595
Tetrachloroethene	ND		0.00250	1	07/06/2021 13:43	WG1700595
Toluene	ND		0.00500	1	07/06/2021 13:43	WG1700595
1,2,3-Trichlorobenzene	ND		0.0125	1	07/06/2021 13:43	WG1700595
1,2,4-Trichlorobenzene	ND		0.0125	1	07/06/2021 13:43	WG1700595
1,1,1-Trichloroethane	ND		0.00250	1	07/06/2021 13:43	WG1700595
1,1,2-Trichloroethane	ND		0.00250	1	07/06/2021 13:43	WG1700595
Trichloroethene	ND		0.00100	1	07/06/2021 13:43	WG1700595
Trichlorofluoromethane	ND		0.00250	1	07/06/2021 13:43	WG1700595
1,2,3-Trichloropropane	ND		0.0125	1	07/06/2021 13:43	WG1700595
1,2,4-Trimethylbenzene	ND		0.00500	1	07/06/2021 13:43	WG1700595
1,2,3-Trimethylbenzene	ND		0.00500	1	07/06/2021 13:43	WG1700595
Vinyl chloride	ND		0.00250	1	07/06/2021 13:43	WG1700595
1,3,5-Trimethylbenzene	ND		0.00500	1	07/06/2021 13:43	WG1700595
Xylenes, Total	ND		0.00650	1	07/06/2021 13:43	WG1700595
(S) Toluene-d8	96.4		75.0-131		07/06/2021 13:43	WG1700595

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

AUGER HOLE 1 0-6"

Collected date/time: 06/28/21 12:40

SAMPLE RESULTS - 01

L1373385

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	104		67.0-138		07/06/2021 13:43	WG1700595
(S) 1,2-Dichloroethane-d4	104		70.0-130		07/06/2021 13:43	WG1700595

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	ND		4.00	1	07/07/2021 18:09	WG1700837
(S) o-Terphenyl	70.2		18.0-148		07/07/2021 18:09	WG1700837

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0333	1	07/06/2021 14:49	WG1700175
Acenaphthylene	ND	J3	0.0333	1	07/06/2021 14:49	WG1700175
Anthracene	ND	J3	0.0333	1	07/06/2021 14:49	WG1700175
Benzidine	ND	J3	1.67	1	07/06/2021 14:49	WG1700175
Benzo(a)anthracene	ND	J3	0.0333	1	07/06/2021 14:49	WG1700175
Benzo(b)fluoranthene	ND	J3	0.0333	1	07/06/2021 14:49	WG1700175
Benzo(k)fluoranthene	ND	J3	0.0333	1	07/06/2021 14:49	WG1700175
Benzo(g,h,i)perylene	ND		0.0333	1	07/06/2021 14:49	WG1700175
Benzo(a)pyrene	ND	J3	0.0333	1	07/06/2021 14:49	WG1700175
Bis(2-chlorethoxy)methane	ND		0.333	1	07/06/2021 14:49	WG1700175
Bis(2-chloroethyl)ether	ND		0.333	1	07/06/2021 14:49	WG1700175
2,2-Oxybis(1-Chloropropane)	ND		0.333	1	07/06/2021 14:49	WG1700175
4-Bromophenyl-phenylether	ND	J3	0.333	1	07/06/2021 14:49	WG1700175
2-Chloronaphthalene	ND	J3	0.0333	1	07/06/2021 14:49	WG1700175
4-Chlorophenyl-phenylether	ND	J3	0.333	1	07/06/2021 14:49	WG1700175
Chrysene	ND	J3	0.0333	1	07/06/2021 14:49	WG1700175
Dibenz(a,h)anthracene	ND	J3	0.0333	1	07/06/2021 14:49	WG1700175
1,2-Dichlorobenzene	ND		0.333	1	07/06/2021 14:49	WG1700175
1,3-Dichlorobenzene	ND		0.333	1	07/06/2021 14:49	WG1700175
1,4-Dichlorobenzene	ND		0.333	1	07/06/2021 14:49	WG1700175
3,3-Dichlorobenzidine	ND		0.333	1	07/06/2021 14:49	WG1700175
2,4-Dinitrotoluene	ND	J3	0.333	1	07/06/2021 14:49	WG1700175
2,6-Dinitrotoluene	ND	J3	0.333	1	07/06/2021 14:49	WG1700175
Fluoranthene	ND	J3	0.0333	1	07/06/2021 14:49	WG1700175
Fluorene	ND	J3	0.0333	1	07/06/2021 14:49	WG1700175
Hexachlorobenzene	ND	J3	0.333	1	07/06/2021 14:49	WG1700175
Hexachloro-1,3-butadiene	ND		0.333	1	07/06/2021 14:49	WG1700175
Hexachlorocyclopentadiene	ND		0.333	1	07/06/2021 14:49	WG1700175
Hexachloroethane	ND		0.333	1	07/06/2021 14:49	WG1700175
Indeno(1,2,3-cd)pyrene	ND		0.0333	1	07/06/2021 14:49	WG1700175
Isophorone	ND		0.333	1	07/06/2021 14:49	WG1700175
1-Methylnaphthalene	ND		0.0333	1	07/06/2021 14:49	WG1700175
2-Methylnaphthalene	ND		0.0333	1	07/06/2021 14:49	WG1700175
Naphthalene	ND		0.0333	1	07/06/2021 14:49	WG1700175
Nitrobenzene	ND		0.333	1	07/06/2021 14:49	WG1700175
n-Nitrosodimethylamine	ND		0.333	1	07/06/2021 14:49	WG1700175
n-Nitrosodiphenylamine	ND	J3	0.333	1	07/06/2021 14:49	WG1700175
n-Nitrosodi-n-propylamine	ND		0.333	1	07/06/2021 14:49	WG1700175
Phenanthrene	ND	J3	0.0333	1	07/06/2021 14:49	WG1700175
Benzylbutyl phthalate	ND	J3	0.333	1	07/06/2021 14:49	WG1700175
Bis(2-ethylhexyl)phthalate	ND	J3	0.333	1	07/06/2021 14:49	WG1700175
Di-n-butyl phthalate	ND	J3	0.333	1	07/06/2021 14:49	WG1700175
Diethyl phthalate	ND	J3	0.333	1	07/06/2021 14:49	WG1700175

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

AUGER HOLE 1 0-6"

Collected date/time: 06/28/21 12:40

SAMPLE RESULTS - 01

L1373385

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Dimethyl phthalate	ND	J3	0.333	1	07/06/2021 14:49	WG1700175
Di-n-octyl phthalate	ND	J3	0.333	1	07/06/2021 14:49	WG1700175
Pyrene	ND	J3	0.0333	1	07/06/2021 14:49	WG1700175
1,2,4-Trichlorobenzene	ND		0.333	1	07/06/2021 14:49	WG1700175
4-Chloro-3-methylphenol	ND	J3	0.333	1	07/06/2021 14:49	WG1700175
2-Chlorophenol	ND		0.333	1	07/06/2021 14:49	WG1700175
2,4-Dichlorophenol	ND		0.333	1	07/06/2021 14:49	WG1700175
2,4-Dimethylphenol	ND		0.333	1	07/06/2021 14:49	WG1700175
4,6-Dinitro-2-methylphenol	ND		0.333	1	07/06/2021 14:49	WG1700175
2,4-Dinitrophenol	ND		0.333	1	07/06/2021 14:49	WG1700175
2-Nitrophenol	ND		0.333	1	07/06/2021 14:49	WG1700175
4-Nitrophenol	ND	J3	0.333	1	07/06/2021 14:49	WG1700175
Pentachlorophenol	ND	J3	0.333	1	07/06/2021 14:49	WG1700175
Phenol	ND		0.333	1	07/06/2021 14:49	WG1700175
2,4,6-Trichlorophenol	ND	J3	0.333	1	07/06/2021 14:49	WG1700175
(S) 2-Fluorophenol	44.5		12.0-120		07/06/2021 14:49	WG1700175
(S) Phenol-d5	43.4		10.0-120		07/06/2021 14:49	WG1700175
(S) Nitrobenzene-d5	43.8		10.0-122		07/06/2021 14:49	WG1700175
(S) 2-Fluorobiphenyl	44.2		15.0-120		07/06/2021 14:49	WG1700175
(S) 2,4,6-Tribromophenol	42.1		10.0-127		07/06/2021 14:49	WG1700175
(S) p-Terphenyl-d14	43.2		10.0-120		07/06/2021 14:49	WG1700175

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

AUGER HOLE 1 6"-12"

Collected date/time: 06/28/21 12:42

SAMPLE RESULTS - 02

L1373385

Wet Chemistry by Method 3060A/7196A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium,Hexavalent	ND		2.00	1	07/09/2021 12:34	WG1700137

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.26		2.00	1	07/08/2021 22:05	WG1699613
Barium	116		0.500	1	07/08/2021 22:05	WG1699613
Cadmium	ND		0.500	1	07/08/2021 22:05	WG1699613
Copper	9.21		2.00	1	07/08/2021 22:05	WG1699613
Lead	7.05		0.500	1	07/08/2021 22:05	WG1699613
Nickel	11.1		2.00	1	07/08/2021 22:05	WG1699613
Selenium	ND		2.00	1	07/08/2021 22:05	WG1699613
Silver	ND		1.00	1	07/08/2021 22:05	WG1699613
Zinc	32.1		5.00	1	07/08/2021 22:05	WG1699613

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.101	1.01	07/09/2021 11:03	WG1701102
(S) a,a,a-Trifluorotoluene(FID)	103		77.0-120		07/09/2021 11:03	WG1701102

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	07/06/2021 14:02	WG1700595
Acrylonitrile	ND		0.0125	1	07/06/2021 14:02	WG1700595
Benzene	ND		0.00100	1	07/06/2021 14:02	WG1700595
Bromobenzene	ND		0.0125	1	07/06/2021 14:02	WG1700595
Bromodichloromethane	ND		0.00250	1	07/06/2021 14:02	WG1700595
Bromoform	ND		0.0250	1	07/06/2021 14:02	WG1700595
Bromomethane	ND		0.0125	1	07/06/2021 14:02	WG1700595
n-Butylbenzene	ND		0.0125	1	07/06/2021 14:02	WG1700595
sec-Butylbenzene	ND		0.0125	1	07/06/2021 14:02	WG1700595
tert-Butylbenzene	ND		0.00500	1	07/06/2021 14:02	WG1700595
Carbon tetrachloride	ND		0.00500	1	07/06/2021 14:02	WG1700595
Chlorobenzene	ND		0.00250	1	07/06/2021 14:02	WG1700595
Chlorodibromomethane	ND		0.00250	1	07/06/2021 14:02	WG1700595
Chloroethane	ND		0.00500	1	07/06/2021 14:02	WG1700595
Chloroform	ND		0.00250	1	07/06/2021 14:02	WG1700595
Chloromethane	ND		0.0125	1	07/06/2021 14:02	WG1700595
2-Chlorotoluene	ND		0.00250	1	07/06/2021 14:02	WG1700595
4-Chlorotoluene	ND		0.00500	1	07/06/2021 14:02	WG1700595
1,2-Dibromo-3-Chloropropane	ND		0.0250	1	07/06/2021 14:02	WG1700595
1,2-Dibromoethane	ND		0.00250	1	07/06/2021 14:02	WG1700595
Dibromomethane	ND		0.00500	1	07/06/2021 14:02	WG1700595
1,2-Dichlorobenzene	ND		0.00500	1	07/06/2021 14:02	WG1700595
1,3-Dichlorobenzene	ND		0.00500	1	07/06/2021 14:02	WG1700595
1,4-Dichlorobenzene	ND		0.00500	1	07/06/2021 14:02	WG1700595
Dichlorodifluoromethane	ND		0.00250	1	07/06/2021 14:02	WG1700595
1,1-Dichloroethane	ND		0.00250	1	07/06/2021 14:02	WG1700595
1,2-Dichloroethane	ND		0.00250	1	07/06/2021 14:02	WG1700595
1,1-Dichloroethene	ND		0.00250	1	07/06/2021 14:02	WG1700595
cis-1,2-Dichloroethene	ND		0.00250	1	07/06/2021 14:02	WG1700595
trans-1,2-Dichloroethene	ND		0.00500	1	07/06/2021 14:02	WG1700595



AUGER HOLE 1 6"-12"

Collected date/time: 06/28/21 12:42

SAMPLE RESULTS - 02

L1373385

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	ND		0.00500	1	07/06/2021 14:02	WG1700595
1,1-Dichloropropene	ND		0.00250	1	07/06/2021 14:02	WG1700595
1,3-Dichloropropane	ND		0.00500	1	07/06/2021 14:02	WG1700595
cis-1,3-Dichloropropene	ND		0.00250	1	07/06/2021 14:02	WG1700595
trans-1,3-Dichloropropene	ND		0.00500	1	07/06/2021 14:02	WG1700595
2,2-Dichloropropane	ND		0.00250	1	07/06/2021 14:02	WG1700595
Di-isopropyl ether	ND		0.00100	1	07/06/2021 14:02	WG1700595
Ethylbenzene	ND		0.00250	1	07/06/2021 14:02	WG1700595
Hexachloro-1,3-butadiene	ND		0.0250	1	07/06/2021 14:02	WG1700595
Isopropylbenzene	ND		0.00250	1	07/06/2021 14:02	WG1700595
p-Isopropyltoluene	ND		0.00500	1	07/06/2021 14:02	WG1700595
2-Butanone (MEK)	ND		0.100	1	07/06/2021 14:02	WG1700595
Methylene Chloride	ND		0.0250	1	07/06/2021 14:02	WG1700595
4-Methyl-2-pentanone (MIBK)	ND		0.0250	1	07/06/2021 14:02	WG1700595
Methyl tert-butyl ether	ND		0.00100	1	07/06/2021 14:02	WG1700595
Naphthalene	ND	J4	0.0125	1	07/06/2021 14:02	WG1700595
n-Propylbenzene	ND		0.00500	1	07/06/2021 14:02	WG1700595
Styrene	ND		0.0125	1	07/06/2021 14:02	WG1700595
1,1,1,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 14:02	WG1700595
1,1,2,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 14:02	WG1700595
1,1,2-Trichlorotrifluoroethane	ND		0.00250	1	07/06/2021 14:02	WG1700595
Tetrachloroethene	ND		0.00250	1	07/06/2021 14:02	WG1700595
Toluene	ND		0.00500	1	07/06/2021 14:02	WG1700595
1,2,3-Trichlorobenzene	ND		0.0125	1	07/06/2021 14:02	WG1700595
1,2,4-Trichlorobenzene	ND		0.0125	1	07/06/2021 14:02	WG1700595
1,1,1-Trichloroethane	ND		0.00250	1	07/06/2021 14:02	WG1700595
1,1,2-Trichloroethane	ND		0.00250	1	07/06/2021 14:02	WG1700595
Trichloroethene	ND		0.00100	1	07/06/2021 14:02	WG1700595
Trichlorofluoromethane	ND		0.00250	1	07/06/2021 14:02	WG1700595
1,2,3-Trichloropropane	ND		0.0125	1	07/06/2021 14:02	WG1700595
1,2,4-Trimethylbenzene	ND		0.00500	1	07/06/2021 14:02	WG1700595
1,2,3-Trimethylbenzene	ND		0.00500	1	07/06/2021 14:02	WG1700595
Vinyl chloride	ND		0.00250	1	07/06/2021 14:02	WG1700595
1,3,5-Trimethylbenzene	ND		0.00500	1	07/06/2021 14:02	WG1700595
Xylenes, Total	ND		0.00650	1	07/06/2021 14:02	WG1700595
(S) Toluene-d8	96.8		75.0-131		07/06/2021 14:02	WG1700595
(S) 4-Bromofluorobenzene	104		67.0-138		07/06/2021 14:02	WG1700595
(S) 1,2-Dichloroethane-d4	99.1		70.0-130		07/06/2021 14:02	WG1700595

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	ND		4.00	1	07/07/2021 15:11	WG1700837
(S) o-Terphenyl	61.5		18.0-148		07/07/2021 15:11	WG1700837

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0333	1	07/06/2021 15:51	WG1700175
Acenaphthylene	ND		0.0333	1	07/06/2021 15:51	WG1700175
Anthracene	ND		0.0333	1	07/06/2021 15:51	WG1700175
Benzidine	ND		1.67	1	07/06/2021 15:51	WG1700175
Benzo(a)anthracene	ND		0.0333	1	07/06/2021 15:51	WG1700175
Benzo(b)fluoranthene	ND		0.0333	1	07/06/2021 15:51	WG1700175
Benzo(k)fluoranthene	ND		0.0333	1	07/06/2021 15:51	WG1700175

AUGER HOLE 1 6"-12"

Collected date/time: 06/28/21 12:42

SAMPLE RESULTS - 02

L1373385

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzo(g,h,i)perylene	ND		0.0333	1	07/06/2021 15:51	WG1700175
Benzo(a)pyrene	ND		0.0333	1	07/06/2021 15:51	WG1700175
Bis(2-chlorethoxy)methane	ND		0.333	1	07/06/2021 15:51	WG1700175
Bis(2-chloroethyl)ether	ND		0.333	1	07/06/2021 15:51	WG1700175
2,2-Oxybis(1-Chloropropane)	ND		0.333	1	07/06/2021 15:51	WG1700175
4-Bromophenyl-phenylether	ND		0.333	1	07/06/2021 15:51	WG1700175
2-Chloronaphthalene	ND		0.0333	1	07/06/2021 15:51	WG1700175
4-Chlorophenyl-phenylether	ND		0.333	1	07/06/2021 15:51	WG1700175
Chrysene	ND		0.0333	1	07/06/2021 15:51	WG1700175
Dibenz(a,h)anthracene	ND		0.0333	1	07/06/2021 15:51	WG1700175
1,2-Dichlorobenzene	ND		0.333	1	07/06/2021 15:51	WG1700175
1,3-Dichlorobenzene	ND		0.333	1	07/06/2021 15:51	WG1700175
1,4-Dichlorobenzene	ND		0.333	1	07/06/2021 15:51	WG1700175
3,3-Dichlorobenzidine	ND		0.333	1	07/06/2021 15:51	WG1700175
2,4-Dinitrotoluene	ND		0.333	1	07/06/2021 15:51	WG1700175
2,6-Dinitrotoluene	ND		0.333	1	07/06/2021 15:51	WG1700175
Fluoranthene	ND		0.0333	1	07/06/2021 15:51	WG1700175
Fluorene	ND		0.0333	1	07/06/2021 15:51	WG1700175
Hexachlorobenzene	ND		0.333	1	07/06/2021 15:51	WG1700175
Hexachloro-1,3-butadiene	ND		0.333	1	07/06/2021 15:51	WG1700175
Hexachlorocyclopentadiene	ND		0.333	1	07/06/2021 15:51	WG1700175
Hexachloroethane	ND		0.333	1	07/06/2021 15:51	WG1700175
Indeno(1,2,3-cd)pyrene	ND		0.0333	1	07/06/2021 15:51	WG1700175
Isophorone	ND		0.333	1	07/06/2021 15:51	WG1700175
1-Methylnaphthalene	ND		0.0333	1	07/06/2021 15:51	WG1700175
2-Methylnaphthalene	ND		0.0333	1	07/06/2021 15:51	WG1700175
Naphthalene	ND		0.0333	1	07/06/2021 15:51	WG1700175
Nitrobenzene	ND		0.333	1	07/06/2021 15:51	WG1700175
n-Nitrosodimethylamine	ND		0.333	1	07/06/2021 15:51	WG1700175
n-Nitrosodiphenylamine	ND		0.333	1	07/06/2021 15:51	WG1700175
n-Nitrosodi-n-propylamine	ND		0.333	1	07/06/2021 15:51	WG1700175
Phenanthrene	ND		0.0333	1	07/06/2021 15:51	WG1700175
Benzylbutyl phthalate	ND		0.333	1	07/06/2021 15:51	WG1700175
Bis(2-ethylhexyl)phthalate	ND		0.333	1	07/06/2021 15:51	WG1700175
Di-n-butyl phthalate	ND		0.333	1	07/06/2021 15:51	WG1700175
Diethyl phthalate	ND		0.333	1	07/06/2021 15:51	WG1700175
Dimethyl phthalate	ND		0.333	1	07/06/2021 15:51	WG1700175
Di-n-octyl phthalate	ND		0.333	1	07/06/2021 15:51	WG1700175
Pyrene	ND		0.0333	1	07/06/2021 15:51	WG1700175
1,2,4-Trichlorobenzene	ND		0.333	1	07/06/2021 15:51	WG1700175
4-Chloro-3-methylphenol	ND		0.333	1	07/06/2021 15:51	WG1700175
2-Chlorophenol	ND		0.333	1	07/06/2021 15:51	WG1700175
2,4-Dichlorophenol	ND		0.333	1	07/06/2021 15:51	WG1700175
2,4-Dimethylphenol	ND		0.333	1	07/06/2021 15:51	WG1700175
4,6-Dinitro-2-methylphenol	ND		0.333	1	07/06/2021 15:51	WG1700175
2,4-Dinitrophenol	ND		0.333	1	07/06/2021 15:51	WG1700175
2-Nitrophenol	ND		0.333	1	07/06/2021 15:51	WG1700175
4-Nitrophenol	ND		0.333	1	07/06/2021 15:51	WG1700175
Pentachlorophenol	ND		0.333	1	07/06/2021 15:51	WG1700175
Phenol	ND		0.333	1	07/06/2021 15:51	WG1700175
2,4,6-Trichlorophenol	ND		0.333	1	07/06/2021 15:51	WG1700175
(S) 2-Fluorophenol	55.8		12.0-120		07/06/2021 15:51	WG1700175
(S) Phenol-d5	54.3		10.0-120		07/06/2021 15:51	WG1700175
(S) Nitrobenzene-d5	55.9		10.0-122		07/06/2021 15:51	WG1700175
(S) 2-Fluorobiphenyl	56.5		15.0-120		07/06/2021 15:51	WG1700175
(S) 2,4,6-Tribromophenol	52.4		10.0-127		07/06/2021 15:51	WG1700175

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

ACCOUNT:

Etech Environmental- Midland, TX

PROJECT:

14026

SDG:

L1373385

DATE/TIME:

08/13/21 09:27

PAGE:

17 of 158

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
(S) p-Terphenyl-d14	53.4		10.0-120		07/06/2021 15:51	WG1700175

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

AUGER HOLE 1 12"-18"

Collected date/time: 06/28/21 12:44

SAMPLE RESULTS - 03

L1373385

Wet Chemistry by Method 3060A/7196A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium,Hexavalent	ND		2.00	1	07/09/2021 12:35	WG1700137

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.89		2.00	1	07/08/2021 22:08	WG1699613
Barium	158		0.500	1	07/08/2021 22:08	WG1699613
Cadmium	ND		0.500	1	07/08/2021 22:08	WG1699613
Copper	9.71		2.00	1	07/08/2021 22:08	WG1699613
Lead	8.36		0.500	1	07/08/2021 22:08	WG1699613
Nickel	12.1		2.00	1	07/08/2021 22:08	WG1699613
Selenium	ND		2.00	1	07/08/2021 22:08	WG1699613
Silver	ND		1.00	1	07/08/2021 22:08	WG1699613
Zinc	37.3		5.00	1	07/08/2021 22:08	WG1699613

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	07/08/2021 09:22	WG1701735
(S) a,a,a-Trifluorotoluene(FID)	105		77.0-120		07/08/2021 09:22	WG1701735

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	07/06/2021 14:21	WG1700595
Acrylonitrile	ND		0.0125	1	07/06/2021 14:21	WG1700595
Benzene	ND		0.00100	1	07/06/2021 14:21	WG1700595
Bromobenzene	ND		0.0125	1	07/06/2021 14:21	WG1700595
Bromodichloromethane	ND		0.00250	1	07/06/2021 14:21	WG1700595
Bromoform	ND		0.0250	1	07/06/2021 14:21	WG1700595
Bromomethane	ND		0.0125	1	07/06/2021 14:21	WG1700595
n-Butylbenzene	ND		0.0125	1	07/06/2021 14:21	WG1700595
sec-Butylbenzene	ND		0.0125	1	07/06/2021 14:21	WG1700595
tert-Butylbenzene	ND		0.00500	1	07/06/2021 14:21	WG1700595
Carbon tetrachloride	ND		0.00500	1	07/06/2021 14:21	WG1700595
Chlorobenzene	ND		0.00250	1	07/06/2021 14:21	WG1700595
Chlorodibromomethane	ND		0.00250	1	07/06/2021 14:21	WG1700595
Chloroethane	ND		0.00500	1	07/06/2021 14:21	WG1700595
Chloroform	ND		0.00250	1	07/06/2021 14:21	WG1700595
Chloromethane	ND		0.0125	1	07/06/2021 14:21	WG1700595
2-Chlorotoluene	ND		0.00250	1	07/06/2021 14:21	WG1700595
4-Chlorotoluene	ND		0.00500	1	07/06/2021 14:21	WG1700595
1,2-Dibromo-3-Chloropropane	ND		0.0250	1	07/06/2021 14:21	WG1700595
1,2-Dibromoethane	ND		0.00250	1	07/06/2021 14:21	WG1700595
Dibromomethane	ND		0.00500	1	07/06/2021 14:21	WG1700595
1,2-Dichlorobenzene	ND		0.00500	1	07/06/2021 14:21	WG1700595
1,3-Dichlorobenzene	ND		0.00500	1	07/06/2021 14:21	WG1700595
1,4-Dichlorobenzene	ND		0.00500	1	07/06/2021 14:21	WG1700595
Dichlorodifluoromethane	ND		0.00250	1	07/06/2021 14:21	WG1700595
1,1-Dichloroethane	ND		0.00250	1	07/06/2021 14:21	WG1700595
1,2-Dichloroethane	ND		0.00250	1	07/06/2021 14:21	WG1700595
1,1-Dichloroethene	ND		0.00250	1	07/06/2021 14:21	WG1700595
cis-1,2-Dichloroethene	ND		0.00250	1	07/06/2021 14:21	WG1700595
trans-1,2-Dichloroethene	ND		0.00500	1	07/06/2021 14:21	WG1700595

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

AUGER HOLE 1 12"-18"

Collected date/time: 06/28/21 12:44

SAMPLE RESULTS - 03

L1373385

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	ND		0.00500	1	07/06/2021 14:21	WG1700595
1,1-Dichloropropene	ND		0.00250	1	07/06/2021 14:21	WG1700595
1,3-Dichloropropane	ND		0.00500	1	07/06/2021 14:21	WG1700595
cis-1,3-Dichloropropene	ND		0.00250	1	07/06/2021 14:21	WG1700595
trans-1,3-Dichloropropene	ND		0.00500	1	07/06/2021 14:21	WG1700595
2,2-Dichloropropane	ND		0.00250	1	07/06/2021 14:21	WG1700595
Di-isopropyl ether	ND		0.00100	1	07/06/2021 14:21	WG1700595
Ethylbenzene	ND		0.00250	1	07/06/2021 14:21	WG1700595
Hexachloro-1,3-butadiene	ND		0.0250	1	07/06/2021 14:21	WG1700595
Isopropylbenzene	ND		0.00250	1	07/06/2021 14:21	WG1700595
p-Isopropyltoluene	ND		0.00500	1	07/06/2021 14:21	WG1700595
2-Butanone (MEK)	ND		0.100	1	07/06/2021 14:21	WG1700595
Methylene Chloride	ND		0.0250	1	07/06/2021 14:21	WG1700595
4-Methyl-2-pentanone (MIBK)	ND		0.0250	1	07/06/2021 14:21	WG1700595
Methyl tert-butyl ether	ND		0.00100	1	07/06/2021 14:21	WG1700595
Naphthalene	ND	J4	0.0125	1	07/06/2021 14:21	WG1700595
n-Propylbenzene	ND		0.00500	1	07/06/2021 14:21	WG1700595
Styrene	ND		0.0125	1	07/06/2021 14:21	WG1700595
1,1,1,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 14:21	WG1700595
1,1,2,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 14:21	WG1700595
1,1,2-Trichlorotrifluoroethane	ND		0.00250	1	07/06/2021 14:21	WG1700595
Tetrachloroethene	ND		0.00250	1	07/06/2021 14:21	WG1700595
Toluene	ND		0.00500	1	07/06/2021 14:21	WG1700595
1,2,3-Trichlorobenzene	ND		0.0125	1	07/06/2021 14:21	WG1700595
1,2,4-Trichlorobenzene	ND		0.0125	1	07/06/2021 14:21	WG1700595
1,1,1-Trichloroethane	ND		0.00250	1	07/06/2021 14:21	WG1700595
1,1,2-Trichloroethane	ND		0.00250	1	07/06/2021 14:21	WG1700595
Trichloroethene	ND		0.00100	1	07/06/2021 14:21	WG1700595
Trichlorofluoromethane	ND		0.00250	1	07/06/2021 14:21	WG1700595
1,2,3-Trichloropropane	ND		0.0125	1	07/06/2021 14:21	WG1700595
1,2,4-Trimethylbenzene	ND		0.00500	1	07/06/2021 14:21	WG1700595
1,2,3-Trimethylbenzene	ND		0.00500	1	07/06/2021 14:21	WG1700595
Vinyl chloride	ND		0.00250	1	07/06/2021 14:21	WG1700595
1,3,5-Trimethylbenzene	ND		0.00500	1	07/06/2021 14:21	WG1700595
Xylenes, Total	ND		0.00650	1	07/06/2021 14:21	WG1700595
(S) Toluene-d8	96.4		75.0-131		07/06/2021 14:21	WG1700595
(S) 4-Bromofluorobenzene	101		67.0-138		07/06/2021 14:21	WG1700595
(S) 1,2-Dichloroethane-d4	100		70.0-130		07/06/2021 14:21	WG1700595

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	ND		4.00	1	07/07/2021 15:25	WG1700837
(S) o-Terphenyl	55.8		18.0-148		07/07/2021 15:25	WG1700837

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0333	1	07/06/2021 16:52	WG1700175
Acenaphthylene	ND		0.0333	1	07/06/2021 16:52	WG1700175
Anthracene	ND		0.0333	1	07/06/2021 16:52	WG1700175
Benzidine	ND		1.67	1	07/06/2021 16:52	WG1700175
Benzo(a)anthracene	ND		0.0333	1	07/06/2021 16:52	WG1700175
Benzo(b)fluoranthene	ND		0.0333	1	07/06/2021 16:52	WG1700175
Benzo(k)fluoranthene	ND		0.0333	1	07/06/2021 16:52	WG1700175

ACCOUNT:

Etech Environmental- Midland, TX

PROJECT:

14026

SDG:

L1373385

DATE/TIME:

08/13/21 09:27

PAGE:

20 of 158

AUGER HOLE 1 12"-18"

Collected date/time: 06/28/21 12:44

SAMPLE RESULTS - 03

L1373385

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzo(g,h,i)perylene	ND		0.0333	1	07/06/2021 16:52	WG1700175
Benzo(a)pyrene	ND		0.0333	1	07/06/2021 16:52	WG1700175
Bis(2-chlorethoxy)methane	ND		0.333	1	07/06/2021 16:52	WG1700175
Bis(2-chloroethyl)ether	ND		0.333	1	07/06/2021 16:52	WG1700175
2,2-Oxybis(1-Chloropropane)	ND		0.333	1	07/06/2021 16:52	WG1700175
4-Bromophenyl-phenylether	ND		0.333	1	07/06/2021 16:52	WG1700175
2-Chloronaphthalene	ND		0.0333	1	07/06/2021 16:52	WG1700175
4-Chlorophenyl-phenylether	ND		0.333	1	07/06/2021 16:52	WG1700175
Chrysene	ND		0.0333	1	07/06/2021 16:52	WG1700175
Dibenz(a,h)anthracene	ND		0.0333	1	07/06/2021 16:52	WG1700175
1,2-Dichlorobenzene	ND		0.333	1	07/06/2021 16:52	WG1700175
1,3-Dichlorobenzene	ND		0.333	1	07/06/2021 16:52	WG1700175
1,4-Dichlorobenzene	ND		0.333	1	07/06/2021 16:52	WG1700175
3,3-Dichlorobenzidine	ND		0.333	1	07/06/2021 16:52	WG1700175
2,4-Dinitrotoluene	ND		0.333	1	07/06/2021 16:52	WG1700175
2,6-Dinitrotoluene	ND		0.333	1	07/06/2021 16:52	WG1700175
Fluoranthene	ND		0.0333	1	07/06/2021 16:52	WG1700175
Fluorene	ND		0.0333	1	07/06/2021 16:52	WG1700175
Hexachlorobenzene	ND		0.333	1	07/06/2021 16:52	WG1700175
Hexachloro-1,3-butadiene	ND		0.333	1	07/06/2021 16:52	WG1700175
Hexachlorocyclopentadiene	ND		0.333	1	07/06/2021 16:52	WG1700175
Hexachloroethane	ND		0.333	1	07/06/2021 16:52	WG1700175
Indeno(1,2,3-cd)pyrene	ND		0.0333	1	07/06/2021 16:52	WG1700175
Isophorone	ND		0.333	1	07/06/2021 16:52	WG1700175
1-Methylnaphthalene	ND		0.0333	1	07/06/2021 16:52	WG1700175
2-Methylnaphthalene	ND		0.0333	1	07/06/2021 16:52	WG1700175
Naphthalene	ND		0.0333	1	07/06/2021 16:52	WG1700175
Nitrobenzene	ND		0.333	1	07/06/2021 16:52	WG1700175
n-Nitrosodimethylamine	ND		0.333	1	07/06/2021 16:52	WG1700175
n-Nitrosodiphenylamine	ND		0.333	1	07/06/2021 16:52	WG1700175
n-Nitrosodi-n-propylamine	ND		0.333	1	07/06/2021 16:52	WG1700175
Phenanthrene	ND		0.0333	1	07/06/2021 16:52	WG1700175
Benzylbutyl phthalate	ND		0.333	1	07/06/2021 16:52	WG1700175
Bis(2-ethylhexyl)phthalate	ND		0.333	1	07/06/2021 16:52	WG1700175
Di-n-butyl phthalate	ND		0.333	1	07/06/2021 16:52	WG1700175
Diethyl phthalate	ND		0.333	1	07/06/2021 16:52	WG1700175
Dimethyl phthalate	ND		0.333	1	07/06/2021 16:52	WG1700175
Di-n-octyl phthalate	ND		0.333	1	07/06/2021 16:52	WG1700175
Pyrene	ND		0.0333	1	07/06/2021 16:52	WG1700175
1,2,4-Trichlorobenzene	ND		0.333	1	07/06/2021 16:52	WG1700175
4-Chloro-3-methylphenol	ND		0.333	1	07/06/2021 16:52	WG1700175
2-Chlorophenol	ND		0.333	1	07/06/2021 16:52	WG1700175
2,4-Dichlorophenol	ND		0.333	1	07/06/2021 16:52	WG1700175
2,4-Dimethylphenol	ND		0.333	1	07/06/2021 16:52	WG1700175
4,6-Dinitro-2-methylphenol	ND		0.333	1	07/06/2021 16:52	WG1700175
2,4-Dinitrophenol	ND		0.333	1	07/06/2021 16:52	WG1700175
2-Nitrophenol	ND		0.333	1	07/06/2021 16:52	WG1700175
4-Nitrophenol	ND		0.333	1	07/06/2021 16:52	WG1700175
Pentachlorophenol	ND		0.333	1	07/06/2021 16:52	WG1700175
Phenol	ND		0.333	1	07/06/2021 16:52	WG1700175
2,4,6-Trichlorophenol	ND		0.333	1	07/06/2021 16:52	WG1700175
(S) 2-Fluorophenol	64.9		12.0-120		07/06/2021 16:52	WG1700175
(S) Phenol-d5	63.2		10.0-120		07/06/2021 16:52	WG1700175
(S) Nitrobenzene-d5	67.0		10.0-122		07/06/2021 16:52	WG1700175
(S) 2-Fluorobiphenyl	67.3		15.0-120		07/06/2021 16:52	WG1700175
(S) 2,4,6-Tribromophenol	64.3		10.0-127		07/06/2021 16:52	WG1700175

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

ACCOUNT:

Etech Environmental- Midland, TX

PROJECT:

14026

SDG:

L1373385

DATE/TIME:

08/13/21 09:27

PAGE:

21 of 158

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
(S) p-Terphenyl-d14	61.3		10.0-120		07/06/2021 16:52	WG1700175

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

AUGER HOLE 1 18"-24"

Collected date/time: 06/28/21 12:46

SAMPLE RESULTS - 04

L1373385

Wet Chemistry by Method 3060A/7196A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium,Hexavalent	ND		2.00	1	07/09/2021 12:36	WG1700137

Metals (ICP) by Method 6010B

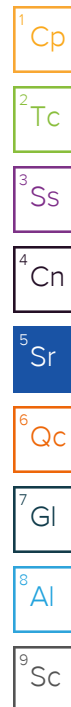
Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.92		2.00	1	07/08/2021 22:10	WG1699613
Barium	148		0.500	1	07/08/2021 22:10	WG1699613
Cadmium	ND		0.500	1	07/08/2021 22:10	WG1699613
Copper	10.7		2.00	1	07/08/2021 22:10	WG1699613
Lead	8.50		0.500	1	07/08/2021 22:10	WG1699613
Nickel	12.6		2.00	1	07/08/2021 22:10	WG1699613
Selenium	ND		2.00	1	07/08/2021 22:10	WG1699613
Silver	ND		1.00	1	07/08/2021 22:10	WG1699613
Zinc	39.5		5.00	1	07/08/2021 22:10	WG1699613

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	07/08/2021 09:46	WG1701735
(S) a,a,a-Trifluorotoluene(FID)	104		77.0-120		07/08/2021 09:46	WG1701735

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	07/06/2021 14:40	WG1700595
Acrylonitrile	ND		0.0125	1	07/06/2021 14:40	WG1700595
Benzene	ND		0.00100	1	07/06/2021 14:40	WG1700595
Bromobenzene	ND		0.0125	1	07/06/2021 14:40	WG1700595
Bromodichloromethane	ND		0.00250	1	07/06/2021 14:40	WG1700595
Bromoform	ND		0.0250	1	07/06/2021 14:40	WG1700595
Bromomethane	ND		0.0125	1	07/06/2021 14:40	WG1700595
n-Butylbenzene	ND		0.0125	1	07/06/2021 14:40	WG1700595
sec-Butylbenzene	ND		0.0125	1	07/06/2021 14:40	WG1700595
tert-Butylbenzene	ND		0.00500	1	07/06/2021 14:40	WG1700595
Carbon tetrachloride	ND		0.00500	1	07/06/2021 14:40	WG1700595
Chlorobenzene	ND		0.00250	1	07/06/2021 14:40	WG1700595
Chlorodibromomethane	ND		0.00250	1	07/06/2021 14:40	WG1700595
Chloroethane	ND		0.00500	1	07/06/2021 14:40	WG1700595
Chloroform	ND		0.00250	1	07/06/2021 14:40	WG1700595
Chloromethane	ND		0.0125	1	07/06/2021 14:40	WG1700595
2-Chlorotoluene	ND		0.00250	1	07/06/2021 14:40	WG1700595
4-Chlorotoluene	ND		0.00500	1	07/06/2021 14:40	WG1700595
1,2-Dibromo-3-Chloropropane	ND		0.0250	1	07/06/2021 14:40	WG1700595
1,2-Dibromoethane	ND		0.00250	1	07/06/2021 14:40	WG1700595
Dibromomethane	ND		0.00500	1	07/06/2021 14:40	WG1700595
1,2-Dichlorobenzene	ND		0.00500	1	07/06/2021 14:40	WG1700595
1,3-Dichlorobenzene	ND		0.00500	1	07/06/2021 14:40	WG1700595
1,4-Dichlorobenzene	ND		0.00500	1	07/06/2021 14:40	WG1700595
Dichlorodifluoromethane	ND		0.00250	1	07/06/2021 14:40	WG1700595
1,1-Dichloroethane	ND		0.00250	1	07/06/2021 14:40	WG1700595
1,2-Dichloroethane	ND		0.00250	1	07/06/2021 14:40	WG1700595
1,1-Dichloroethene	ND		0.00250	1	07/06/2021 14:40	WG1700595
cis-1,2-Dichloroethene	ND		0.00250	1	07/06/2021 14:40	WG1700595
trans-1,2-Dichloroethene	ND		0.00500	1	07/06/2021 14:40	WG1700595



AUGER HOLE 1 18"-24"

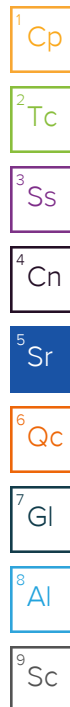
Collected date/time: 06/28/21 12:46

SAMPLE RESULTS - 04

L1373385

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	ND		0.00500	1	07/06/2021 14:40	WG1700595
1,1-Dichloropropene	ND		0.00250	1	07/06/2021 14:40	WG1700595
1,3-Dichloropropane	ND		0.00500	1	07/06/2021 14:40	WG1700595
cis-1,3-Dichloropropene	ND		0.00250	1	07/06/2021 14:40	WG1700595
trans-1,3-Dichloropropene	ND		0.00500	1	07/06/2021 14:40	WG1700595
2,2-Dichloropropane	ND		0.00250	1	07/06/2021 14:40	WG1700595
Di-isopropyl ether	ND		0.00100	1	07/06/2021 14:40	WG1700595
Ethylbenzene	ND		0.00250	1	07/06/2021 14:40	WG1700595
Hexachloro-1,3-butadiene	ND		0.0250	1	07/06/2021 14:40	WG1700595
Isopropylbenzene	ND		0.00250	1	07/06/2021 14:40	WG1700595
p-Isopropyltoluene	ND		0.00500	1	07/06/2021 14:40	WG1700595
2-Butanone (MEK)	ND		0.100	1	07/06/2021 14:40	WG1700595
Methylene Chloride	ND		0.0250	1	07/06/2021 14:40	WG1700595
4-Methyl-2-pentanone (MIBK)	ND		0.0250	1	07/06/2021 14:40	WG1700595
Methyl tert-butyl ether	ND		0.00100	1	07/06/2021 14:40	WG1700595
Naphthalene	ND	J4	0.0125	1	07/06/2021 14:40	WG1700595
n-Propylbenzene	ND		0.00500	1	07/06/2021 14:40	WG1700595
Styrene	ND		0.0125	1	07/06/2021 14:40	WG1700595
1,1,1,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 14:40	WG1700595
1,1,2,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 14:40	WG1700595
1,1,2-Trichlorotrifluoroethane	ND		0.00250	1	07/06/2021 14:40	WG1700595
Tetrachloroethene	ND		0.00250	1	07/06/2021 14:40	WG1700595
Toluene	ND		0.00500	1	07/06/2021 14:40	WG1700595
1,2,3-Trichlorobenzene	ND		0.0125	1	07/06/2021 14:40	WG1700595
1,2,4-Trichlorobenzene	ND		0.0125	1	07/06/2021 14:40	WG1700595
1,1,1-Trichloroethane	ND		0.00250	1	07/06/2021 14:40	WG1700595
1,1,2-Trichloroethane	ND		0.00250	1	07/06/2021 14:40	WG1700595
Trichloroethene	ND		0.00100	1	07/06/2021 14:40	WG1700595
Trichlorofluoromethane	ND		0.00250	1	07/06/2021 14:40	WG1700595
1,2,3-Trichloropropane	ND		0.0125	1	07/06/2021 14:40	WG1700595
1,2,4-Trimethylbenzene	ND		0.00500	1	07/06/2021 14:40	WG1700595
1,2,3-Trimethylbenzene	ND		0.00500	1	07/06/2021 14:40	WG1700595
Vinyl chloride	ND		0.00250	1	07/06/2021 14:40	WG1700595
1,3,5-Trimethylbenzene	ND		0.00500	1	07/06/2021 14:40	WG1700595
Xylenes, Total	ND		0.00650	1	07/06/2021 14:40	WG1700595
(S) Toluene-d8	97.1		75.0-131		07/06/2021 14:40	WG1700595
(S) 4-Bromofluorobenzene	101		67.0-138		07/06/2021 14:40	WG1700595
(S) 1,2-Dichloroethane-d4	98.4		70.0-130		07/06/2021 14:40	WG1700595



Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	ND		4.00	1	07/07/2021 15:39	WG1700837
(S) o-Terphenyl	58.4		18.0-148		07/07/2021 15:39	WG1700837

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0333	1	07/06/2021 17:13	WG1700175
Acenaphthylene	ND		0.0333	1	07/06/2021 17:13	WG1700175
Anthracene	ND		0.0333	1	07/06/2021 17:13	WG1700175
Benzidine	ND		1.67	1	07/06/2021 17:13	WG1700175
Benzo(a)anthracene	ND		0.0333	1	07/06/2021 17:13	WG1700175
Benzo(b)fluoranthene	ND		0.0333	1	07/06/2021 17:13	WG1700175
Benzo(k)fluoranthene	ND		0.0333	1	07/06/2021 17:13	WG1700175

ACCOUNT:

Etech Environmental- Midland, TX

PROJECT:

14026

SDG:

L1373385

DATE/TIME:

08/13/21 09:27

PAGE:

24 of 158

AUGER HOLE 1 18"-24"

Collected date/time: 06/28/21 12:46

SAMPLE RESULTS - 04

L1373385

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzo(g,h,i)perylene	ND		0.0333	1	07/06/2021 17:13	WG1700175
Benzo(a)pyrene	ND		0.0333	1	07/06/2021 17:13	WG1700175
Bis(2-chlorethoxy)methane	ND		0.333	1	07/06/2021 17:13	WG1700175
Bis(2-chloroethyl)ether	ND		0.333	1	07/06/2021 17:13	WG1700175
2,2-Oxybis(1-Chloropropane)	ND		0.333	1	07/06/2021 17:13	WG1700175
4-Bromophenyl-phenylether	ND		0.333	1	07/06/2021 17:13	WG1700175
2-Chloronaphthalene	ND		0.0333	1	07/06/2021 17:13	WG1700175
4-Chlorophenyl-phenylether	ND		0.333	1	07/06/2021 17:13	WG1700175
Chrysene	ND		0.0333	1	07/06/2021 17:13	WG1700175
Dibenz(a,h)anthracene	ND		0.0333	1	07/06/2021 17:13	WG1700175
1,2-Dichlorobenzene	ND		0.333	1	07/06/2021 17:13	WG1700175
1,3-Dichlorobenzene	ND		0.333	1	07/06/2021 17:13	WG1700175
1,4-Dichlorobenzene	ND		0.333	1	07/06/2021 17:13	WG1700175
3,3-Dichlorobenzidine	ND		0.333	1	07/06/2021 17:13	WG1700175
2,4-Dinitrotoluene	ND		0.333	1	07/06/2021 17:13	WG1700175
2,6-Dinitrotoluene	ND		0.333	1	07/06/2021 17:13	WG1700175
Fluoranthene	ND		0.0333	1	07/06/2021 17:13	WG1700175
Fluorene	ND		0.0333	1	07/06/2021 17:13	WG1700175
Hexachlorobenzene	ND		0.333	1	07/06/2021 17:13	WG1700175
Hexachloro-1,3-butadiene	ND		0.333	1	07/06/2021 17:13	WG1700175
Hexachlorocyclopentadiene	ND		0.333	1	07/06/2021 17:13	WG1700175
Hexachloroethane	ND		0.333	1	07/06/2021 17:13	WG1700175
Indeno(1,2,3-cd)pyrene	ND		0.0333	1	07/06/2021 17:13	WG1700175
Isophorone	ND		0.333	1	07/06/2021 17:13	WG1700175
1-Methylnaphthalene	ND		0.0333	1	07/06/2021 17:13	WG1700175
2-Methylnaphthalene	ND		0.0333	1	07/06/2021 17:13	WG1700175
Naphthalene	ND		0.0333	1	07/06/2021 17:13	WG1700175
Nitrobenzene	ND		0.333	1	07/06/2021 17:13	WG1700175
n-Nitrosodimethylamine	ND		0.333	1	07/06/2021 17:13	WG1700175
n-Nitrosodiphenylamine	ND		0.333	1	07/06/2021 17:13	WG1700175
n-Nitrosodi-n-propylamine	ND		0.333	1	07/06/2021 17:13	WG1700175
Phenanthrene	ND		0.0333	1	07/06/2021 17:13	WG1700175
Benzylbutyl phthalate	ND		0.333	1	07/06/2021 17:13	WG1700175
Bis(2-ethylhexyl)phthalate	ND		0.333	1	07/06/2021 17:13	WG1700175
Di-n-butyl phthalate	ND		0.333	1	07/06/2021 17:13	WG1700175
Diethyl phthalate	ND		0.333	1	07/06/2021 17:13	WG1700175
Dimethyl phthalate	ND		0.333	1	07/06/2021 17:13	WG1700175
Di-n-octyl phthalate	ND		0.333	1	07/06/2021 17:13	WG1700175
Pyrene	ND		0.0333	1	07/06/2021 17:13	WG1700175
1,2,4-Trichlorobenzene	ND		0.333	1	07/06/2021 17:13	WG1700175
4-Chloro-3-methylphenol	ND		0.333	1	07/06/2021 17:13	WG1700175
2-Chlorophenol	ND		0.333	1	07/06/2021 17:13	WG1700175
2,4-Dichlorophenol	ND		0.333	1	07/06/2021 17:13	WG1700175
2,4-Dimethylphenol	ND		0.333	1	07/06/2021 17:13	WG1700175
4,6-Dinitro-2-methylphenol	ND		0.333	1	07/06/2021 17:13	WG1700175
2,4-Dinitrophenol	ND		0.333	1	07/06/2021 17:13	WG1700175
2-Nitrophenol	ND		0.333	1	07/06/2021 17:13	WG1700175
4-Nitrophenol	ND		0.333	1	07/06/2021 17:13	WG1700175
Pentachlorophenol	ND		0.333	1	07/06/2021 17:13	WG1700175
Phenol	ND		0.333	1	07/06/2021 17:13	WG1700175
2,4,6-Trichlorophenol	ND		0.333	1	07/06/2021 17:13	WG1700175
(S) 2-Fluorophenol	61.6		12.0-120		07/06/2021 17:13	WG1700175
(S) Phenol-d5	60.5		10.0-120		07/06/2021 17:13	WG1700175
(S) Nitrobenzene-d5	60.7		10.0-122		07/06/2021 17:13	WG1700175
(S) 2-Fluorobiphenyl	61.9		15.0-120		07/06/2021 17:13	WG1700175
(S) 2,4,6-Tribromophenol	56.0		10.0-127		07/06/2021 17:13	WG1700175

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

ACCOUNT:

Etech Environmental- Midland, TX

PROJECT:

14026

SDG:

L1373385

DATE/TIME:

08/13/21 09:27

PAGE:

25 of 158

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
(S) p-Terphenyl-d14	57.3		10.0-120		07/06/2021 17:13	WG1700175

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

AUGER HOLE 2 0-6"

Collected date/time: 06/28/21 12:48

SAMPLE RESULTS - 05

L1373385

Wet Chemistry by Method 3060A/7196A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium,Hexavalent	ND		2.00	1	07/09/2021 12:36	WG1700137

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	ND		2.00	1	07/08/2021 22:13	WG1699613
Barium	50.2		0.500	1	07/08/2021 22:13	WG1699613
Cadmium	ND		0.500	1	07/08/2021 22:13	WG1699613
Copper	4.12		2.00	1	07/08/2021 22:13	WG1699613
Lead	4.20		0.500	1	07/08/2021 22:13	WG1699613
Nickel	4.95		2.00	1	07/08/2021 22:13	WG1699613
Selenium	ND		2.00	1	07/08/2021 22:13	WG1699613
Silver	ND		1.00	1	07/08/2021 22:13	WG1699613
Zinc	16.8		5.00	1	07/08/2021 22:13	WG1699613

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	07/08/2021 10:10	WG1701735
(S) a,a,a-Trifluorotoluene(FID)	105		77.0-120		07/08/2021 10:10	WG1701735

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	07/06/2021 14:59	WG1700595
Acrylonitrile	ND		0.0125	1	07/06/2021 14:59	WG1700595
Benzene	ND		0.00100	1	07/06/2021 14:59	WG1700595
Bromobenzene	ND		0.0125	1	07/06/2021 14:59	WG1700595
Bromodichloromethane	ND		0.00250	1	07/06/2021 14:59	WG1700595
Bromoform	ND		0.0250	1	07/06/2021 14:59	WG1700595
Bromomethane	ND		0.0125	1	07/06/2021 14:59	WG1700595
n-Butylbenzene	ND		0.0125	1	07/06/2021 14:59	WG1700595
sec-Butylbenzene	ND		0.0125	1	07/06/2021 14:59	WG1700595
tert-Butylbenzene	ND		0.00500	1	07/06/2021 14:59	WG1700595
Carbon tetrachloride	ND		0.00500	1	07/06/2021 14:59	WG1700595
Chlorobenzene	ND		0.00250	1	07/06/2021 14:59	WG1700595
Chlorodibromomethane	ND		0.00250	1	07/06/2021 14:59	WG1700595
Chloroethane	ND		0.00500	1	07/06/2021 14:59	WG1700595
Chloroform	ND		0.00250	1	07/06/2021 14:59	WG1700595
Chloromethane	ND		0.0125	1	07/06/2021 14:59	WG1700595
2-Chlorotoluene	ND		0.00250	1	07/06/2021 14:59	WG1700595
4-Chlorotoluene	ND		0.00500	1	07/06/2021 14:59	WG1700595
1,2-Dibromo-3-Chloropropane	ND		0.0250	1	07/06/2021 14:59	WG1700595
1,2-Dibromoethane	ND		0.00250	1	07/06/2021 14:59	WG1700595
Dibromomethane	ND		0.00500	1	07/06/2021 14:59	WG1700595
1,2-Dichlorobenzene	ND		0.00500	1	07/06/2021 14:59	WG1700595
1,3-Dichlorobenzene	ND		0.00500	1	07/06/2021 14:59	WG1700595
1,4-Dichlorobenzene	ND		0.00500	1	07/06/2021 14:59	WG1700595
Dichlorodifluoromethane	ND		0.00250	1	07/06/2021 14:59	WG1700595
1,1-Dichloroethane	ND		0.00250	1	07/06/2021 14:59	WG1700595
1,2-Dichloroethane	ND		0.00250	1	07/06/2021 14:59	WG1700595
1,1-Dichloroethene	ND		0.00250	1	07/06/2021 14:59	WG1700595
cis-1,2-Dichloroethene	ND		0.00250	1	07/06/2021 14:59	WG1700595
trans-1,2-Dichloroethene	ND		0.00500	1	07/06/2021 14:59	WG1700595

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

AUGER HOLE 2 0-6"

Collected date/time: 06/28/21 12:48

SAMPLE RESULTS - 05

L1373385

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	ND		0.00500	1	07/06/2021 14:59	WG1700595
1,1-Dichloropropene	ND		0.00250	1	07/06/2021 14:59	WG1700595
1,3-Dichloropropane	ND		0.00500	1	07/06/2021 14:59	WG1700595
cis-1,3-Dichloropropene	ND		0.00250	1	07/06/2021 14:59	WG1700595
trans-1,3-Dichloropropene	ND		0.00500	1	07/06/2021 14:59	WG1700595
2,2-Dichloropropane	ND		0.00250	1	07/06/2021 14:59	WG1700595
Di-isopropyl ether	ND		0.00100	1	07/06/2021 14:59	WG1700595
Ethylbenzene	ND		0.00250	1	07/06/2021 14:59	WG1700595
Hexachloro-1,3-butadiene	ND		0.0250	1	07/06/2021 14:59	WG1700595
Isopropylbenzene	ND		0.00250	1	07/06/2021 14:59	WG1700595
p-Isopropyltoluene	ND		0.00500	1	07/06/2021 14:59	WG1700595
2-Butanone (MEK)	ND		0.100	1	07/06/2021 14:59	WG1700595
Methylene Chloride	ND		0.0250	1	07/06/2021 14:59	WG1700595
4-Methyl-2-pentanone (MIBK)	ND		0.0250	1	07/06/2021 14:59	WG1700595
Methyl tert-butyl ether	ND		0.00100	1	07/06/2021 14:59	WG1700595
Naphthalene	ND	J4	0.0125	1	07/06/2021 14:59	WG1700595
n-Propylbenzene	ND		0.00500	1	07/06/2021 14:59	WG1700595
Styrene	ND		0.0125	1	07/06/2021 14:59	WG1700595
1,1,1,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 14:59	WG1700595
1,1,2,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 14:59	WG1700595
1,1,2-Trichlorotrifluoroethane	ND		0.00250	1	07/06/2021 14:59	WG1700595
Tetrachloroethene	ND		0.00250	1	07/06/2021 14:59	WG1700595
Toluene	ND		0.00500	1	07/06/2021 14:59	WG1700595
1,2,3-Trichlorobenzene	ND		0.0125	1	07/06/2021 14:59	WG1700595
1,2,4-Trichlorobenzene	ND		0.0125	1	07/06/2021 14:59	WG1700595
1,1,1-Trichloroethane	ND		0.00250	1	07/06/2021 14:59	WG1700595
1,1,2-Trichloroethane	ND		0.00250	1	07/06/2021 14:59	WG1700595
Trichloroethene	ND		0.00100	1	07/06/2021 14:59	WG1700595
Trichlorofluoromethane	ND		0.00250	1	07/06/2021 14:59	WG1700595
1,2,3-Trichloropropane	ND		0.0125	1	07/06/2021 14:59	WG1700595
1,2,4-Trimethylbenzene	ND		0.00500	1	07/06/2021 14:59	WG1700595
1,2,3-Trimethylbenzene	ND		0.00500	1	07/06/2021 14:59	WG1700595
Vinyl chloride	ND		0.00250	1	07/06/2021 14:59	WG1700595
1,3,5-Trimethylbenzene	ND		0.00500	1	07/06/2021 14:59	WG1700595
Xylenes, Total	ND		0.00650	1	07/06/2021 14:59	WG1700595
(S) Toluene-d8	96.4		75.0-131		07/06/2021 14:59	WG1700595
(S) 4-Bromofluorobenzene	103		67.0-138		07/06/2021 14:59	WG1700595
(S) 1,2-Dichloroethane-d4	102		70.0-130		07/06/2021 14:59	WG1700595

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

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	ND		4.00	1	07/07/2021 17:14	WG1700837
(S) o-Terphenyl	63.7		18.0-148		07/07/2021 17:14	WG1700837

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0333	1	07/06/2021 17:34	WG1700175
Acenaphthylene	ND		0.0333	1	07/06/2021 17:34	WG1700175
Anthracene	ND		0.0333	1	07/06/2021 17:34	WG1700175
Benzidine	ND		1.67	1	07/06/2021 17:34	WG1700175
Benzo(a)anthracene	ND		0.0333	1	07/06/2021 17:34	WG1700175
Benzo(b)fluoranthene	ND		0.0333	1	07/06/2021 17:34	WG1700175
Benzo(k)fluoranthene	ND		0.0333	1	07/06/2021 17:34	WG1700175

ACCOUNT:

Etech Environmental- Midland, TX

PROJECT:

14026

SDG:

L1373385

DATE/TIME:

08/13/21 09:27

PAGE:

28 of 158

AUGER HOLE 2 0-6"

Collected date/time: 06/28/21 12:48

SAMPLE RESULTS - 05

L1373385

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzo(g,h,i)perylene	ND		0.0333	1	07/06/2021 17:34	WG1700175
Benzo(a)pyrene	ND		0.0333	1	07/06/2021 17:34	WG1700175
Bis(2-chlorethoxy)methane	ND		0.333	1	07/06/2021 17:34	WG1700175
Bis(2-chloroethyl)ether	ND		0.333	1	07/06/2021 17:34	WG1700175
2,2-Oxybis(1-Chloropropane)	ND		0.333	1	07/06/2021 17:34	WG1700175
4-Bromophenyl-phenylether	ND		0.333	1	07/06/2021 17:34	WG1700175
2-Chloronaphthalene	ND		0.0333	1	07/06/2021 17:34	WG1700175
4-Chlorophenyl-phenylether	ND		0.333	1	07/06/2021 17:34	WG1700175
Chrysene	ND		0.0333	1	07/06/2021 17:34	WG1700175
Dibenz(a,h)anthracene	ND		0.0333	1	07/06/2021 17:34	WG1700175
1,2-Dichlorobenzene	ND		0.333	1	07/06/2021 17:34	WG1700175
1,3-Dichlorobenzene	ND		0.333	1	07/06/2021 17:34	WG1700175
1,4-Dichlorobenzene	ND		0.333	1	07/06/2021 17:34	WG1700175
3,3-Dichlorobenzidine	ND		0.333	1	07/06/2021 17:34	WG1700175
2,4-Dinitrotoluene	ND		0.333	1	07/06/2021 17:34	WG1700175
2,6-Dinitrotoluene	ND		0.333	1	07/06/2021 17:34	WG1700175
Fluoranthene	ND		0.0333	1	07/06/2021 17:34	WG1700175
Fluorene	ND		0.0333	1	07/06/2021 17:34	WG1700175
Hexachlorobenzene	ND		0.333	1	07/06/2021 17:34	WG1700175
Hexachloro-1,3-butadiene	ND		0.333	1	07/06/2021 17:34	WG1700175
Hexachlorocyclopentadiene	ND		0.333	1	07/06/2021 17:34	WG1700175
Hexachloroethane	ND		0.333	1	07/06/2021 17:34	WG1700175
Indeno(1,2,3-cd)pyrene	ND		0.0333	1	07/06/2021 17:34	WG1700175
Isophorone	ND		0.333	1	07/06/2021 17:34	WG1700175
1-Methylnaphthalene	ND		0.0333	1	07/06/2021 17:34	WG1700175
2-Methylnaphthalene	ND		0.0333	1	07/06/2021 17:34	WG1700175
Naphthalene	ND		0.0333	1	07/06/2021 17:34	WG1700175
Nitrobenzene	ND		0.333	1	07/06/2021 17:34	WG1700175
n-Nitrosodimethylamine	ND		0.333	1	07/06/2021 17:34	WG1700175
n-Nitrosodiphenylamine	ND		0.333	1	07/06/2021 17:34	WG1700175
n-Nitrosodi-n-propylamine	ND		0.333	1	07/06/2021 17:34	WG1700175
Phenanthrene	ND		0.0333	1	07/06/2021 17:34	WG1700175
Benzylbutyl phthalate	ND		0.333	1	07/06/2021 17:34	WG1700175
Bis(2-ethylhexyl)phthalate	ND		0.333	1	07/06/2021 17:34	WG1700175
Di-n-butyl phthalate	ND		0.333	1	07/06/2021 17:34	WG1700175
Diethyl phthalate	ND		0.333	1	07/06/2021 17:34	WG1700175
Dimethyl phthalate	ND		0.333	1	07/06/2021 17:34	WG1700175
Di-n-octyl phthalate	ND		0.333	1	07/06/2021 17:34	WG1700175
Pyrene	ND		0.0333	1	07/06/2021 17:34	WG1700175
1,2,4-Trichlorobenzene	ND		0.333	1	07/06/2021 17:34	WG1700175
4-Chloro-3-methylphenol	ND		0.333	1	07/06/2021 17:34	WG1700175
2-Chlorophenol	ND		0.333	1	07/06/2021 17:34	WG1700175
2,4-Dichlorophenol	ND		0.333	1	07/06/2021 17:34	WG1700175
2,4-Dimethylphenol	ND		0.333	1	07/06/2021 17:34	WG1700175
4,6-Dinitro-2-methylphenol	ND		0.333	1	07/06/2021 17:34	WG1700175
2,4-Dinitrophenol	ND		0.333	1	07/06/2021 17:34	WG1700175
2-Nitrophenol	ND		0.333	1	07/06/2021 17:34	WG1700175
4-Nitrophenol	ND		0.333	1	07/06/2021 17:34	WG1700175
Pentachlorophenol	ND		0.333	1	07/06/2021 17:34	WG1700175
Phenol	ND		0.333	1	07/06/2021 17:34	WG1700175
2,4,6-Trichlorophenol	ND		0.333	1	07/06/2021 17:34	WG1700175
(S) 2-Fluorophenol	55.2		12.0-120		07/06/2021 17:34	WG1700175
(S) Phenol-d5	52.9		10.0-120		07/06/2021 17:34	WG1700175
(S) Nitrobenzene-d5	58.6		10.0-122		07/06/2021 17:34	WG1700175
(S) 2-Fluorobiphenyl	54.3		15.0-120		07/06/2021 17:34	WG1700175
(S) 2,4,6-Tribromophenol	55.4		10.0-127		07/06/2021 17:34	WG1700175

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

ACCOUNT:

Etech Environmental- Midland, TX

PROJECT:

14026

SDG:

L1373385

DATE/TIME:

08/13/21 09:27

PAGE:

29 of 158

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
(S) p-Terphenyl-d14	53.7		10.0-120		07/06/2021 17:34	WG1700175

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

AUGER HOLE 2 6"-12"

Collected date/time: 06/28/21 12:50

SAMPLE RESULTS - 06

L1373385

Wet Chemistry by Method 3060A/7196A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium,Hexavalent	ND		2.00	1	07/09/2021 12:37	WG1700137

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.68		2.00	1	07/08/2021 18:35	WG1699900
Barium	105		0.500	1	07/08/2021 18:35	WG1699900
Cadmium	ND		0.500	1	07/08/2021 18:35	WG1699900
Copper	7.85		2.00	1	07/08/2021 18:35	WG1699900
Lead	6.52		0.500	1	07/08/2021 18:35	WG1699900
Nickel	10.4		2.00	1	07/08/2021 18:35	WG1699900
Selenium	ND		2.00	1	07/08/2021 18:35	WG1699900
Silver	ND		1.00	1	07/08/2021 18:35	WG1699900
Zinc	33.1		5.00	1	07/08/2021 18:35	WG1699900

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	07/08/2021 10:34	WG1701735
(S) a,a,a-Trifluorotoluene(FID)	105		77.0-120		07/08/2021 10:34	WG1701735

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	07/06/2021 15:18	WG1700595
Acrylonitrile	ND		0.0125	1	07/06/2021 15:18	WG1700595
Benzene	ND		0.00100	1	07/06/2021 15:18	WG1700595
Bromobenzene	ND		0.0125	1	07/06/2021 15:18	WG1700595
Bromodichloromethane	ND		0.00250	1	07/06/2021 15:18	WG1700595
Bromoform	ND		0.0250	1	07/06/2021 15:18	WG1700595
Bromomethane	ND		0.0125	1	07/06/2021 15:18	WG1700595
n-Butylbenzene	ND		0.0125	1	07/06/2021 15:18	WG1700595
sec-Butylbenzene	ND		0.0125	1	07/06/2021 15:18	WG1700595
tert-Butylbenzene	ND		0.00500	1	07/06/2021 15:18	WG1700595
Carbon tetrachloride	ND		0.00500	1	07/06/2021 15:18	WG1700595
Chlorobenzene	ND		0.00250	1	07/06/2021 15:18	WG1700595
Chlorodibromomethane	ND		0.00250	1	07/06/2021 15:18	WG1700595
Chloroethane	ND		0.00500	1	07/06/2021 15:18	WG1700595
Chloroform	ND		0.00250	1	07/06/2021 15:18	WG1700595
Chloromethane	ND		0.0125	1	07/06/2021 15:18	WG1700595
2-Chlorotoluene	ND		0.00250	1	07/06/2021 15:18	WG1700595
4-Chlorotoluene	ND		0.00500	1	07/06/2021 15:18	WG1700595
1,2-Dibromo-3-Chloropropane	ND		0.0250	1	07/06/2021 15:18	WG1700595
1,2-Dibromoethane	ND		0.00250	1	07/06/2021 15:18	WG1700595
Dibromomethane	ND		0.00500	1	07/06/2021 15:18	WG1700595
1,2-Dichlorobenzene	ND		0.00500	1	07/06/2021 15:18	WG1700595
1,3-Dichlorobenzene	ND		0.00500	1	07/06/2021 15:18	WG1700595
1,4-Dichlorobenzene	ND		0.00500	1	07/06/2021 15:18	WG1700595
Dichlorodifluoromethane	ND		0.00250	1	07/06/2021 15:18	WG1700595
1,1-Dichloroethane	ND		0.00250	1	07/06/2021 15:18	WG1700595
1,2-Dichloroethane	ND		0.00250	1	07/06/2021 15:18	WG1700595
1,1-Dichloroethene	ND		0.00250	1	07/06/2021 15:18	WG1700595
cis-1,2-Dichloroethene	ND		0.00250	1	07/06/2021 15:18	WG1700595
trans-1,2-Dichloroethene	ND		0.00500	1	07/06/2021 15:18	WG1700595

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

AUGER HOLE 2 6"-12"

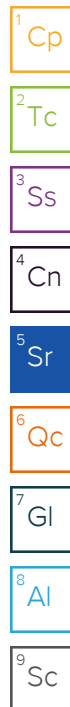
Collected date/time: 06/28/21 12:50

SAMPLE RESULTS - 06

L1373385

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	ND		0.00500	1	07/06/2021 15:18	WG1700595
1,1-Dichloropropene	ND		0.00250	1	07/06/2021 15:18	WG1700595
1,3-Dichloropropane	ND		0.00500	1	07/06/2021 15:18	WG1700595
cis-1,3-Dichloropropene	ND		0.00250	1	07/06/2021 15:18	WG1700595
trans-1,3-Dichloropropene	ND		0.00500	1	07/06/2021 15:18	WG1700595
2,2-Dichloropropane	ND		0.00250	1	07/06/2021 15:18	WG1700595
Di-isopropyl ether	ND		0.00100	1	07/06/2021 15:18	WG1700595
Ethylbenzene	ND		0.00250	1	07/06/2021 15:18	WG1700595
Hexachloro-1,3-butadiene	ND		0.0250	1	07/06/2021 15:18	WG1700595
Isopropylbenzene	ND		0.00250	1	07/06/2021 15:18	WG1700595
p-Isopropyltoluene	ND		0.00500	1	07/06/2021 15:18	WG1700595
2-Butanone (MEK)	ND		0.100	1	07/06/2021 15:18	WG1700595
Methylene Chloride	ND		0.0250	1	07/06/2021 15:18	WG1700595
4-Methyl-2-pentanone (MIBK)	ND		0.0250	1	07/06/2021 15:18	WG1700595
Methyl tert-butyl ether	ND		0.00100	1	07/06/2021 15:18	WG1700595
Naphthalene	ND	J4	0.0125	1	07/06/2021 15:18	WG1700595
n-Propylbenzene	ND		0.00500	1	07/06/2021 15:18	WG1700595
Styrene	ND		0.0125	1	07/06/2021 15:18	WG1700595
1,1,1,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 15:18	WG1700595
1,1,2,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 15:18	WG1700595
1,1,2-Trichlorotrifluoroethane	ND		0.00250	1	07/06/2021 15:18	WG1700595
Tetrachloroethene	ND		0.00250	1	07/06/2021 15:18	WG1700595
Toluene	ND		0.00500	1	07/06/2021 15:18	WG1700595
1,2,3-Trichlorobenzene	ND		0.0125	1	07/06/2021 15:18	WG1700595
1,2,4-Trichlorobenzene	ND		0.0125	1	07/06/2021 15:18	WG1700595
1,1,1-Trichloroethane	ND		0.00250	1	07/06/2021 15:18	WG1700595
1,1,2-Trichloroethane	ND		0.00250	1	07/06/2021 15:18	WG1700595
Trichloroethene	ND		0.00100	1	07/06/2021 15:18	WG1700595
Trichlorofluoromethane	ND		0.00250	1	07/06/2021 15:18	WG1700595
1,2,3-Trichloropropane	ND		0.0125	1	07/06/2021 15:18	WG1700595
1,2,4-Trimethylbenzene	ND		0.00500	1	07/06/2021 15:18	WG1700595
1,2,3-Trimethylbenzene	ND		0.00500	1	07/06/2021 15:18	WG1700595
Vinyl chloride	ND		0.00250	1	07/06/2021 15:18	WG1700595
1,3,5-Trimethylbenzene	ND		0.00500	1	07/06/2021 15:18	WG1700595
Xylenes, Total	ND		0.00650	1	07/06/2021 15:18	WG1700595
(S) Toluene-d8	97.2		75.0-131		07/06/2021 15:18	WG1700595
(S) 4-Bromofluorobenzene	99.4		67.0-138		07/06/2021 15:18	WG1700595
(S) 1,2-Dichloroethane-d4	98.8		70.0-130		07/06/2021 15:18	WG1700595



Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	ND		4.00	1	07/07/2021 17:28	WG1700837
(S) o-Terphenyl	61.7		18.0-148		07/07/2021 17:28	WG1700837

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0333	1	07/06/2021 17:54	WG1700175
Acenaphthylene	ND		0.0333	1	07/06/2021 17:54	WG1700175
Anthracene	ND		0.0333	1	07/06/2021 17:54	WG1700175
Benzidine	ND		1.67	1	07/06/2021 17:54	WG1700175
Benzo(a)anthracene	ND		0.0333	1	07/06/2021 17:54	WG1700175
Benzo(b)fluoranthene	ND		0.0333	1	07/06/2021 17:54	WG1700175
Benzo(k)fluoranthene	ND		0.0333	1	07/06/2021 17:54	WG1700175

AUGER HOLE 2 6"-12"

Collected date/time: 06/28/21 12:50

SAMPLE RESULTS - 06

L1373385

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzo(g,h,i)perylene	ND		0.0333	1	07/06/2021 17:54	WG1700175
Benzo(a)pyrene	ND		0.0333	1	07/06/2021 17:54	WG1700175
Bis(2-chlorethoxy)methane	ND		0.333	1	07/06/2021 17:54	WG1700175
Bis(2-chloroethyl)ether	ND		0.333	1	07/06/2021 17:54	WG1700175
2,2-Oxybis(1-Chloropropane)	ND		0.333	1	07/06/2021 17:54	WG1700175
4-Bromophenyl-phenylether	ND		0.333	1	07/06/2021 17:54	WG1700175
2-Chloronaphthalene	ND		0.0333	1	07/06/2021 17:54	WG1700175
4-Chlorophenyl-phenylether	ND		0.333	1	07/06/2021 17:54	WG1700175
Chrysene	ND		0.0333	1	07/06/2021 17:54	WG1700175
Dibenz(a,h)anthracene	ND		0.0333	1	07/06/2021 17:54	WG1700175
1,2-Dichlorobenzene	ND		0.333	1	07/06/2021 17:54	WG1700175
1,3-Dichlorobenzene	ND		0.333	1	07/06/2021 17:54	WG1700175
1,4-Dichlorobenzene	ND		0.333	1	07/06/2021 17:54	WG1700175
3,3-Dichlorobenzidine	ND		0.333	1	07/06/2021 17:54	WG1700175
2,4-Dinitrotoluene	ND		0.333	1	07/06/2021 17:54	WG1700175
2,6-Dinitrotoluene	ND		0.333	1	07/06/2021 17:54	WG1700175
Fluoranthene	ND		0.0333	1	07/06/2021 17:54	WG1700175
Fluorene	ND		0.0333	1	07/06/2021 17:54	WG1700175
Hexachlorobenzene	ND		0.333	1	07/06/2021 17:54	WG1700175
Hexachloro-1,3-butadiene	ND		0.333	1	07/06/2021 17:54	WG1700175
Hexachlorocyclopentadiene	ND		0.333	1	07/06/2021 17:54	WG1700175
Hexachloroethane	ND		0.333	1	07/06/2021 17:54	WG1700175
Indeno(1,2,3-cd)pyrene	ND		0.0333	1	07/06/2021 17:54	WG1700175
Isophorone	ND		0.333	1	07/06/2021 17:54	WG1700175
1-Methylnaphthalene	ND		0.0333	1	07/06/2021 17:54	WG1700175
2-Methylnaphthalene	ND		0.0333	1	07/06/2021 17:54	WG1700175
Naphthalene	ND		0.0333	1	07/06/2021 17:54	WG1700175
Nitrobenzene	ND		0.333	1	07/06/2021 17:54	WG1700175
n-Nitrosodimethylamine	ND		0.333	1	07/06/2021 17:54	WG1700175
n-Nitrosodiphenylamine	ND		0.333	1	07/06/2021 17:54	WG1700175
n-Nitrosodi-n-propylamine	ND		0.333	1	07/06/2021 17:54	WG1700175
Phenanthrene	ND		0.0333	1	07/06/2021 17:54	WG1700175
Benzylbutyl phthalate	ND		0.333	1	07/06/2021 17:54	WG1700175
Bis(2-ethylhexyl)phthalate	ND		0.333	1	07/06/2021 17:54	WG1700175
Di-n-butyl phthalate	ND		0.333	1	07/06/2021 17:54	WG1700175
Diethyl phthalate	ND		0.333	1	07/06/2021 17:54	WG1700175
Dimethyl phthalate	ND		0.333	1	07/06/2021 17:54	WG1700175
Di-n-octyl phthalate	ND		0.333	1	07/06/2021 17:54	WG1700175
Pyrene	ND		0.0333	1	07/06/2021 17:54	WG1700175
1,2,4-Trichlorobenzene	ND		0.333	1	07/06/2021 17:54	WG1700175
4-Chloro-3-methylphenol	ND		0.333	1	07/06/2021 17:54	WG1700175
2-Chlorophenol	ND		0.333	1	07/06/2021 17:54	WG1700175
2,4-Dichlorophenol	ND		0.333	1	07/06/2021 17:54	WG1700175
2,4-Dimethylphenol	ND		0.333	1	07/06/2021 17:54	WG1700175
4,6-Dinitro-2-methylphenol	ND		0.333	1	07/06/2021 17:54	WG1700175
2,4-Dinitrophenol	ND		0.333	1	07/06/2021 17:54	WG1700175
2-Nitrophenol	ND		0.333	1	07/06/2021 17:54	WG1700175
4-Nitrophenol	ND		0.333	1	07/06/2021 17:54	WG1700175
Pentachlorophenol	ND		0.333	1	07/06/2021 17:54	WG1700175
Phenol	ND		0.333	1	07/06/2021 17:54	WG1700175
2,4,6-Trichlorophenol	ND		0.333	1	07/06/2021 17:54	WG1700175
(S) 2-Fluorophenol	58.8		12.0-120		07/06/2021 17:54	WG1700175
(S) Phenol-d5	56.6		10.0-120		07/06/2021 17:54	WG1700175
(S) Nitrobenzene-d5	58.3		10.0-122		07/06/2021 17:54	WG1700175
(S) 2-Fluorobiphenyl	58.0		15.0-120		07/06/2021 17:54	WG1700175
(S) 2,4,6-Tribromophenol	58.0		10.0-127		07/06/2021 17:54	WG1700175

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

ACCOUNT:

Etech Environmental- Midland, TX

PROJECT:

14026

SDG:

L1373385

DATE/TIME:

08/13/21 09:27

PAGE:

33 of 158

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
(S) p-Terphenyl-d14	55.0		10.0-120		07/06/2021 17:54	WG1700175

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

AUGER HOLE 2 12"-18"

Collected date/time: 06/28/21 12:52

SAMPLE RESULTS - 07

L1373385

Wet Chemistry by Method 3060A/7196A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium,Hexavalent	ND		2.00	1	07/09/2021 12:37	WG1700137

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.89		2.00	1	07/08/2021 18:38	WG1699900
Barium	138		0.500	1	07/08/2021 18:38	WG1699900
Cadmium	ND		0.500	1	07/08/2021 18:38	WG1699900
Copper	8.66		2.00	1	07/08/2021 18:38	WG1699900
Lead	7.36		0.500	1	07/08/2021 18:38	WG1699900
Nickel	11.2		2.00	1	07/08/2021 18:38	WG1699900
Selenium	ND		2.00	1	07/08/2021 18:38	WG1699900
Silver	ND		1.00	1	07/08/2021 18:38	WG1699900
Zinc	32.9		5.00	1	07/08/2021 18:38	WG1699900

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	07/08/2021 10:58	WG1701735
(S) a,a,a-Trifluorotoluene(FID)	107		77.0-120		07/08/2021 10:58	WG1701735

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	07/06/2021 15:37	WG1700595
Acrylonitrile	ND		0.0125	1	07/06/2021 15:37	WG1700595
Benzene	ND		0.00100	1	07/06/2021 15:37	WG1700595
Bromobenzene	ND		0.0125	1	07/06/2021 15:37	WG1700595
Bromodichloromethane	ND		0.00250	1	07/06/2021 15:37	WG1700595
Bromoform	ND		0.0250	1	07/06/2021 15:37	WG1700595
Bromomethane	ND		0.0125	1	07/06/2021 15:37	WG1700595
n-Butylbenzene	ND		0.0125	1	07/06/2021 15:37	WG1700595
sec-Butylbenzene	ND		0.0125	1	07/06/2021 15:37	WG1700595
tert-Butylbenzene	ND		0.00500	1	07/06/2021 15:37	WG1700595
Carbon tetrachloride	ND		0.00500	1	07/06/2021 15:37	WG1700595
Chlorobenzene	ND		0.00250	1	07/06/2021 15:37	WG1700595
Chlorodibromomethane	ND		0.00250	1	07/06/2021 15:37	WG1700595
Chloroethane	ND		0.00500	1	07/06/2021 15:37	WG1700595
Chloroform	ND		0.00250	1	07/06/2021 15:37	WG1700595
Chloromethane	ND		0.0125	1	07/06/2021 15:37	WG1700595
2-Chlorotoluene	ND		0.00250	1	07/06/2021 15:37	WG1700595
4-Chlorotoluene	ND		0.00500	1	07/06/2021 15:37	WG1700595
1,2-Dibromo-3-Chloropropane	ND		0.0250	1	07/06/2021 15:37	WG1700595
1,2-Dibromoethane	ND		0.00250	1	07/06/2021 15:37	WG1700595
Dibromomethane	ND		0.00500	1	07/06/2021 15:37	WG1700595
1,2-Dichlorobenzene	ND		0.00500	1	07/06/2021 15:37	WG1700595
1,3-Dichlorobenzene	ND		0.00500	1	07/06/2021 15:37	WG1700595
1,4-Dichlorobenzene	ND		0.00500	1	07/06/2021 15:37	WG1700595
Dichlorodifluoromethane	ND		0.00250	1	07/06/2021 15:37	WG1700595
1,1-Dichloroethane	ND		0.00250	1	07/06/2021 15:37	WG1700595
1,2-Dichloroethane	ND		0.00250	1	07/06/2021 15:37	WG1700595
1,1-Dichloroethene	ND		0.00250	1	07/06/2021 15:37	WG1700595
cis-1,2-Dichloroethene	ND		0.00250	1	07/06/2021 15:37	WG1700595
trans-1,2-Dichloroethene	ND		0.00500	1	07/06/2021 15:37	WG1700595



AUGER HOLE 2 12"-18"

Collected date/time: 06/28/21 12:52

SAMPLE RESULTS - 07

L1373385

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	ND		0.00500	1	07/06/2021 15:37	WG1700595
1,1-Dichloropropene	ND		0.00250	1	07/06/2021 15:37	WG1700595
1,3-Dichloropropane	ND		0.00500	1	07/06/2021 15:37	WG1700595
cis-1,3-Dichloropropene	ND		0.00250	1	07/06/2021 15:37	WG1700595
trans-1,3-Dichloropropene	ND		0.00500	1	07/06/2021 15:37	WG1700595
2,2-Dichloropropane	ND		0.00250	1	07/06/2021 15:37	WG1700595
Di-isopropyl ether	ND		0.00100	1	07/06/2021 15:37	WG1700595
Ethylbenzene	ND		0.00250	1	07/06/2021 15:37	WG1700595
Hexachloro-1,3-butadiene	ND		0.0250	1	07/06/2021 15:37	WG1700595
Isopropylbenzene	ND		0.00250	1	07/06/2021 15:37	WG1700595
p-Isopropyltoluene	ND		0.00500	1	07/06/2021 15:37	WG1700595
2-Butanone (MEK)	ND		0.100	1	07/06/2021 15:37	WG1700595
Methylene Chloride	ND		0.0250	1	07/06/2021 15:37	WG1700595
4-Methyl-2-pentanone (MIBK)	ND		0.0250	1	07/06/2021 15:37	WG1700595
Methyl tert-butyl ether	ND		0.00100	1	07/06/2021 15:37	WG1700595
Naphthalene	ND	J4	0.0125	1	07/06/2021 15:37	WG1700595
n-Propylbenzene	ND		0.00500	1	07/06/2021 15:37	WG1700595
Styrene	ND		0.0125	1	07/06/2021 15:37	WG1700595
1,1,1,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 15:37	WG1700595
1,1,2,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 15:37	WG1700595
1,1,2-Trichlorotrifluoroethane	ND		0.00250	1	07/06/2021 15:37	WG1700595
Tetrachloroethene	ND		0.00250	1	07/06/2021 15:37	WG1700595
Toluene	ND		0.00500	1	07/06/2021 15:37	WG1700595
1,2,3-Trichlorobenzene	ND		0.0125	1	07/06/2021 15:37	WG1700595
1,2,4-Trichlorobenzene	ND		0.0125	1	07/06/2021 15:37	WG1700595
1,1,1-Trichloroethane	ND		0.00250	1	07/06/2021 15:37	WG1700595
1,1,2-Trichloroethane	ND		0.00250	1	07/06/2021 15:37	WG1700595
Trichloroethene	ND		0.00100	1	07/06/2021 15:37	WG1700595
Trichlorofluoromethane	ND		0.00250	1	07/06/2021 15:37	WG1700595
1,2,3-Trichloropropane	ND		0.0125	1	07/06/2021 15:37	WG1700595
1,2,4-Trimethylbenzene	ND		0.00500	1	07/06/2021 15:37	WG1700595
1,2,3-Trimethylbenzene	ND		0.00500	1	07/06/2021 15:37	WG1700595
Vinyl chloride	ND		0.00250	1	07/06/2021 15:37	WG1700595
1,3,5-Trimethylbenzene	ND		0.00500	1	07/06/2021 15:37	WG1700595
Xylenes, Total	ND		0.00650	1	07/06/2021 15:37	WG1700595
(S) Toluene-d8	97.8		75.0-131		07/06/2021 15:37	WG1700595
(S) 4-Bromofluorobenzene	103		67.0-138		07/06/2021 15:37	WG1700595
(S) 1,2-Dichloroethane-d4	101		70.0-130		07/06/2021 15:37	WG1700595

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

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	ND		4.00	1	07/07/2021 15:52	WG1700837
(S) o-Terphenyl	63.5		18.0-148		07/07/2021 15:52	WG1700837

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0333	1	07/06/2021 16:12	WG1700175
Acenaphthylene	ND		0.0333	1	07/06/2021 16:12	WG1700175
Anthracene	ND		0.0333	1	07/06/2021 16:12	WG1700175
Benzidine	ND		1.67	1	07/06/2021 16:12	WG1700175
Benzo(a)anthracene	ND		0.0333	1	07/06/2021 16:12	WG1700175
Benzo(b)fluoranthene	ND		0.0333	1	07/06/2021 16:12	WG1700175
Benzo(k)fluoranthene	ND		0.0333	1	07/06/2021 16:12	WG1700175

AUGER HOLE 2 12"-18"

Collected date/time: 06/28/21 12:52

SAMPLE RESULTS - 07

L1373385

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzo(g,h,i)perylene	ND		0.0333	1	07/06/2021 16:12	WG1700175
Benzo(a)pyrene	ND		0.0333	1	07/06/2021 16:12	WG1700175
Bis(2-chlorethoxy)methane	ND		0.333	1	07/06/2021 16:12	WG1700175
Bis(2-chloroethyl)ether	ND		0.333	1	07/06/2021 16:12	WG1700175
2,2-Oxybis(1-Chloropropane)	ND		0.333	1	07/06/2021 16:12	WG1700175
4-Bromophenyl-phenylether	ND		0.333	1	07/06/2021 16:12	WG1700175
2-Chloronaphthalene	ND		0.0333	1	07/06/2021 16:12	WG1700175
4-Chlorophenyl-phenylether	ND		0.333	1	07/06/2021 16:12	WG1700175
Chrysene	ND		0.0333	1	07/06/2021 16:12	WG1700175
Dibenz(a,h)anthracene	ND		0.0333	1	07/06/2021 16:12	WG1700175
1,2-Dichlorobenzene	ND		0.333	1	07/06/2021 16:12	WG1700175
1,3-Dichlorobenzene	ND		0.333	1	07/06/2021 16:12	WG1700175
1,4-Dichlorobenzene	ND		0.333	1	07/06/2021 16:12	WG1700175
3,3-Dichlorobenzidine	ND		0.333	1	07/06/2021 16:12	WG1700175
2,4-Dinitrotoluene	ND		0.333	1	07/06/2021 16:12	WG1700175
2,6-Dinitrotoluene	ND		0.333	1	07/06/2021 16:12	WG1700175
Fluoranthene	ND		0.0333	1	07/06/2021 16:12	WG1700175
Fluorene	ND		0.0333	1	07/06/2021 16:12	WG1700175
Hexachlorobenzene	ND		0.333	1	07/06/2021 16:12	WG1700175
Hexachloro-1,3-butadiene	ND		0.333	1	07/06/2021 16:12	WG1700175
Hexachlorocyclopentadiene	ND		0.333	1	07/06/2021 16:12	WG1700175
Hexachloroethane	ND		0.333	1	07/06/2021 16:12	WG1700175
Indeno(1,2,3-cd)pyrene	ND		0.0333	1	07/06/2021 16:12	WG1700175
Isophorone	ND		0.333	1	07/06/2021 16:12	WG1700175
1-Methylnaphthalene	ND		0.0333	1	07/06/2021 16:12	WG1700175
2-Methylnaphthalene	ND		0.0333	1	07/06/2021 16:12	WG1700175
Naphthalene	ND		0.0333	1	07/06/2021 16:12	WG1700175
Nitrobenzene	ND		0.333	1	07/06/2021 16:12	WG1700175
n-Nitrosodimethylamine	ND		0.333	1	07/06/2021 16:12	WG1700175
n-Nitrosodiphenylamine	ND		0.333	1	07/06/2021 16:12	WG1700175
n-Nitrosodi-n-propylamine	ND		0.333	1	07/06/2021 16:12	WG1700175
Phenanthrene	ND		0.0333	1	07/06/2021 16:12	WG1700175
Benzylbutyl phthalate	ND		0.333	1	07/06/2021 16:12	WG1700175
Bis(2-ethylhexyl)phthalate	ND		0.333	1	07/06/2021 16:12	WG1700175
Di-n-butyl phthalate	ND		0.333	1	07/06/2021 16:12	WG1700175
Diethyl phthalate	ND		0.333	1	07/06/2021 16:12	WG1700175
Dimethyl phthalate	ND		0.333	1	07/06/2021 16:12	WG1700175
Di-n-octyl phthalate	ND		0.333	1	07/06/2021 16:12	WG1700175
Pyrene	ND		0.0333	1	07/06/2021 16:12	WG1700175
1,2,4-Trichlorobenzene	ND		0.333	1	07/06/2021 16:12	WG1700175
4-Chloro-3-methylphenol	ND		0.333	1	07/06/2021 16:12	WG1700175
2-Chlorophenol	ND		0.333	1	07/06/2021 16:12	WG1700175
2,4-Dichlorophenol	ND		0.333	1	07/06/2021 16:12	WG1700175
2,4-Dimethylphenol	ND		0.333	1	07/06/2021 16:12	WG1700175
4,6-Dinitro-2-methylphenol	ND		0.333	1	07/06/2021 16:12	WG1700175
2,4-Dinitrophenol	ND		0.333	1	07/06/2021 16:12	WG1700175
2-Nitrophenol	ND		0.333	1	07/06/2021 16:12	WG1700175
4-Nitrophenol	ND		0.333	1	07/06/2021 16:12	WG1700175
Pentachlorophenol	ND		0.333	1	07/06/2021 16:12	WG1700175
Phenol	ND		0.333	1	07/06/2021 16:12	WG1700175
2,4,6-Trichlorophenol	ND		0.333	1	07/06/2021 16:12	WG1700175
(S) 2-Fluorophenol	62.5		12.0-120		07/06/2021 16:12	WG1700175
(S) Phenol-d5	60.4		10.0-120		07/06/2021 16:12	WG1700175
(S) Nitrobenzene-d5	62.1		10.0-122		07/06/2021 16:12	WG1700175
(S) 2-Fluorobiphenyl	64.5		15.0-120		07/06/2021 16:12	WG1700175
(S) 2,4,6-Tribromophenol	60.9		10.0-127		07/06/2021 16:12	WG1700175

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
(S) p-Terphenyl-d14	58.4		10.0-120		07/06/2021 16:12	WG1700175

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

AUGER HOLE 2 18"-24"

Collected date/time: 06/28/21 12:54

SAMPLE RESULTS - 08

L1373385

Wet Chemistry by Method 3060A/7196A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium,Hexavalent	ND		2.00	1	07/09/2021 12:37	WG1700137

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.38		2.00	1	07/08/2021 18:46	WG1699900
Barium	160		0.500	1	07/08/2021 18:46	WG1699900
Cadmium	ND		0.500	1	07/08/2021 18:46	WG1699900
Copper	11.1		2.00	1	07/08/2021 18:46	WG1699900
Lead	9.47		0.500	1	07/08/2021 18:46	WG1699900
Nickel	13.3		2.00	1	07/08/2021 18:46	WG1699900
Selenium	ND		2.00	1	07/08/2021 18:46	WG1699900
Silver	ND		1.00	1	07/08/2021 18:46	WG1699900
Zinc	43.4		5.00	1	07/08/2021 18:46	WG1699900

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	07/08/2021 11:43	WG1701735
(S) a,a,a-Trifluorotoluene(FID)	104		77.0-120		07/08/2021 11:43	WG1701735

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	07/06/2021 15:56	WG1700595
Acrylonitrile	ND		0.0125	1	07/06/2021 15:56	WG1700595
Benzene	ND		0.00100	1	07/06/2021 15:56	WG1700595
Bromobenzene	ND		0.0125	1	07/06/2021 15:56	WG1700595
Bromodichloromethane	ND		0.00250	1	07/06/2021 15:56	WG1700595
Bromoform	ND		0.0250	1	07/06/2021 15:56	WG1700595
Bromomethane	ND		0.0125	1	07/06/2021 15:56	WG1700595
n-Butylbenzene	ND		0.0125	1	07/06/2021 15:56	WG1700595
sec-Butylbenzene	ND		0.0125	1	07/06/2021 15:56	WG1700595
tert-Butylbenzene	ND		0.00500	1	07/06/2021 15:56	WG1700595
Carbon tetrachloride	ND		0.00500	1	07/06/2021 15:56	WG1700595
Chlorobenzene	ND		0.00250	1	07/06/2021 15:56	WG1700595
Chlorodibromomethane	ND		0.00250	1	07/06/2021 15:56	WG1700595
Chloroethane	ND		0.00500	1	07/06/2021 15:56	WG1700595
Chloroform	ND		0.00250	1	07/06/2021 15:56	WG1700595
Chloromethane	ND		0.0125	1	07/06/2021 15:56	WG1700595
2-Chlorotoluene	ND		0.00250	1	07/06/2021 15:56	WG1700595
4-Chlorotoluene	ND		0.00500	1	07/06/2021 15:56	WG1700595
1,2-Dibromo-3-Chloropropane	ND		0.0250	1	07/06/2021 15:56	WG1700595
1,2-Dibromoethane	ND		0.00250	1	07/06/2021 15:56	WG1700595
Dibromomethane	ND		0.00500	1	07/06/2021 15:56	WG1700595
1,2-Dichlorobenzene	ND		0.00500	1	07/06/2021 15:56	WG1700595
1,3-Dichlorobenzene	ND		0.00500	1	07/06/2021 15:56	WG1700595
1,4-Dichlorobenzene	ND		0.00500	1	07/06/2021 15:56	WG1700595
Dichlorodifluoromethane	ND		0.00250	1	07/06/2021 15:56	WG1700595
1,1-Dichloroethane	ND		0.00250	1	07/06/2021 15:56	WG1700595
1,2-Dichloroethane	ND		0.00250	1	07/06/2021 15:56	WG1700595
1,1-Dichloroethene	ND		0.00250	1	07/06/2021 15:56	WG1700595
cis-1,2-Dichloroethene	ND		0.00250	1	07/06/2021 15:56	WG1700595
trans-1,2-Dichloroethene	ND		0.00500	1	07/06/2021 15:56	WG1700595

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

AUGER HOLE 2 18"-24"

Collected date/time: 06/28/21 12:54

SAMPLE RESULTS - 08

L1373385

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	ND		0.00500	1	07/06/2021 15:56	WG1700595
1,1-Dichloropropene	ND		0.00250	1	07/06/2021 15:56	WG1700595
1,3-Dichloropropane	ND		0.00500	1	07/06/2021 15:56	WG1700595
cis-1,3-Dichloropropene	ND		0.00250	1	07/06/2021 15:56	WG1700595
trans-1,3-Dichloropropene	ND		0.00500	1	07/06/2021 15:56	WG1700595
2,2-Dichloropropane	ND		0.00250	1	07/06/2021 15:56	WG1700595
Di-isopropyl ether	ND		0.00100	1	07/06/2021 15:56	WG1700595
Ethylbenzene	ND		0.00250	1	07/06/2021 15:56	WG1700595
Hexachloro-1,3-butadiene	ND		0.0250	1	07/06/2021 15:56	WG1700595
Isopropylbenzene	ND		0.00250	1	07/06/2021 15:56	WG1700595
p-Isopropyltoluene	ND		0.00500	1	07/06/2021 15:56	WG1700595
2-Butanone (MEK)	ND		0.100	1	07/06/2021 15:56	WG1700595
Methylene Chloride	ND		0.0250	1	07/06/2021 15:56	WG1700595
4-Methyl-2-pentanone (MIBK)	ND		0.0250	1	07/06/2021 15:56	WG1700595
Methyl tert-butyl ether	ND		0.00100	1	07/06/2021 15:56	WG1700595
Naphthalene	ND	J4	0.0125	1	07/06/2021 15:56	WG1700595
n-Propylbenzene	ND		0.00500	1	07/06/2021 15:56	WG1700595
Styrene	ND		0.0125	1	07/06/2021 15:56	WG1700595
1,1,1,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 15:56	WG1700595
1,1,2,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 15:56	WG1700595
1,1,2-Trichlorotrifluoroethane	ND		0.00250	1	07/06/2021 15:56	WG1700595
Tetrachloroethene	ND		0.00250	1	07/06/2021 15:56	WG1700595
Toluene	ND		0.00500	1	07/06/2021 15:56	WG1700595
1,2,3-Trichlorobenzene	ND		0.0125	1	07/06/2021 15:56	WG1700595
1,2,4-Trichlorobenzene	ND		0.0125	1	07/06/2021 15:56	WG1700595
1,1,1-Trichloroethane	ND		0.00250	1	07/06/2021 15:56	WG1700595
1,1,2-Trichloroethane	ND		0.00250	1	07/06/2021 15:56	WG1700595
Trichloroethene	ND		0.00100	1	07/06/2021 15:56	WG1700595
Trichlorofluoromethane	ND		0.00250	1	07/06/2021 15:56	WG1700595
1,2,3-Trichloropropane	ND		0.0125	1	07/06/2021 15:56	WG1700595
1,2,4-Trimethylbenzene	ND		0.00500	1	07/06/2021 15:56	WG1700595
1,2,3-Trimethylbenzene	ND		0.00500	1	07/06/2021 15:56	WG1700595
Vinyl chloride	ND		0.00250	1	07/06/2021 15:56	WG1700595
1,3,5-Trimethylbenzene	ND		0.00500	1	07/06/2021 15:56	WG1700595
Xylenes, Total	ND		0.00650	1	07/06/2021 15:56	WG1700595
(S) Toluene-d8	97.7		75.0-131		07/06/2021 15:56	WG1700595
(S) 4-Bromofluorobenzene	103		67.0-138		07/06/2021 15:56	WG1700595
(S) 1,2-Dichloroethane-d4	102		70.0-130		07/06/2021 15:56	WG1700595

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	ND		4.00	1	07/07/2021 16:33	WG1700837
(S) o-Terphenyl	56.1		18.0-148		07/07/2021 16:33	WG1700837

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0333	1	07/06/2021 16:32	WG1700175
Acenaphthylene	ND		0.0333	1	07/06/2021 16:32	WG1700175
Anthracene	ND		0.0333	1	07/06/2021 16:32	WG1700175
Benzidine	ND		1.67	1	07/06/2021 16:32	WG1700175
Benzo(a)anthracene	ND		0.0333	1	07/06/2021 16:32	WG1700175
Benzo(b)fluoranthene	ND		0.0333	1	07/06/2021 16:32	WG1700175
Benzo(k)fluoranthene	ND		0.0333	1	07/06/2021 16:32	WG1700175

AUGER HOLE 2 18"-24"

Collected date/time: 06/28/21 12:54

SAMPLE RESULTS - 08

L1373385

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzo(g,h,i)perylene	ND		0.0333	1	07/06/2021 16:32	WG1700175
Benzo(a)pyrene	ND		0.0333	1	07/06/2021 16:32	WG1700175
Bis(2-chlorethoxy)methane	ND		0.333	1	07/06/2021 16:32	WG1700175
Bis(2-chloroethyl)ether	ND		0.333	1	07/06/2021 16:32	WG1700175
2,2-Oxybis(1-Chloropropane)	ND		0.333	1	07/06/2021 16:32	WG1700175
4-Bromophenyl-phenylether	ND		0.333	1	07/06/2021 16:32	WG1700175
2-Chloronaphthalene	ND		0.0333	1	07/06/2021 16:32	WG1700175
4-Chlorophenyl-phenylether	ND		0.333	1	07/06/2021 16:32	WG1700175
Chrysene	ND		0.0333	1	07/06/2021 16:32	WG1700175
Dibenz(a,h)anthracene	ND		0.0333	1	07/06/2021 16:32	WG1700175
1,2-Dichlorobenzene	ND		0.333	1	07/06/2021 16:32	WG1700175
1,3-Dichlorobenzene	ND		0.333	1	07/06/2021 16:32	WG1700175
1,4-Dichlorobenzene	ND		0.333	1	07/06/2021 16:32	WG1700175
3,3-Dichlorobenzidine	ND		0.333	1	07/06/2021 16:32	WG1700175
2,4-Dinitrotoluene	ND		0.333	1	07/06/2021 16:32	WG1700175
2,6-Dinitrotoluene	ND		0.333	1	07/06/2021 16:32	WG1700175
Fluoranthene	ND		0.0333	1	07/06/2021 16:32	WG1700175
Fluorene	ND		0.0333	1	07/06/2021 16:32	WG1700175
Hexachlorobenzene	ND		0.333	1	07/06/2021 16:32	WG1700175
Hexachloro-1,3-butadiene	ND		0.333	1	07/06/2021 16:32	WG1700175
Hexachlorocyclopentadiene	ND		0.333	1	07/06/2021 16:32	WG1700175
Hexachloroethane	ND		0.333	1	07/06/2021 16:32	WG1700175
Indeno(1,2,3-cd)pyrene	ND		0.0333	1	07/06/2021 16:32	WG1700175
Isophorone	ND		0.333	1	07/06/2021 16:32	WG1700175
1-Methylnaphthalene	ND		0.0333	1	07/06/2021 16:32	WG1700175
2-Methylnaphthalene	ND		0.0333	1	07/06/2021 16:32	WG1700175
Naphthalene	ND		0.0333	1	07/06/2021 16:32	WG1700175
Nitrobenzene	ND		0.333	1	07/06/2021 16:32	WG1700175
n-Nitrosodimethylamine	ND		0.333	1	07/06/2021 16:32	WG1700175
n-Nitrosodiphenylamine	ND		0.333	1	07/06/2021 16:32	WG1700175
n-Nitrosodi-n-propylamine	ND		0.333	1	07/06/2021 16:32	WG1700175
Phenanthrene	ND		0.0333	1	07/06/2021 16:32	WG1700175
Benzylbutyl phthalate	ND		0.333	1	07/06/2021 16:32	WG1700175
Bis(2-ethylhexyl)phthalate	ND		0.333	1	07/06/2021 16:32	WG1700175
Di-n-butyl phthalate	ND		0.333	1	07/06/2021 16:32	WG1700175
Diethyl phthalate	ND		0.333	1	07/06/2021 16:32	WG1700175
Dimethyl phthalate	ND		0.333	1	07/06/2021 16:32	WG1700175
Di-n-octyl phthalate	ND		0.333	1	07/06/2021 16:32	WG1700175
Pyrene	ND		0.0333	1	07/06/2021 16:32	WG1700175
1,2,4-Trichlorobenzene	ND		0.333	1	07/06/2021 16:32	WG1700175
4-Chloro-3-methylphenol	ND		0.333	1	07/06/2021 16:32	WG1700175
2-Chlorophenol	ND		0.333	1	07/06/2021 16:32	WG1700175
2,4-Dichlorophenol	ND		0.333	1	07/06/2021 16:32	WG1700175
2,4-Dimethylphenol	ND		0.333	1	07/06/2021 16:32	WG1700175
4,6-Dinitro-2-methylphenol	ND		0.333	1	07/06/2021 16:32	WG1700175
2,4-Dinitrophenol	ND		0.333	1	07/06/2021 16:32	WG1700175
2-Nitrophenol	ND		0.333	1	07/06/2021 16:32	WG1700175
4-Nitrophenol	ND		0.333	1	07/06/2021 16:32	WG1700175
Pentachlorophenol	ND		0.333	1	07/06/2021 16:32	WG1700175
Phenol	ND		0.333	1	07/06/2021 16:32	WG1700175
2,4,6-Trichlorophenol	ND		0.333	1	07/06/2021 16:32	WG1700175
(S) 2-Fluorophenol	53.5		12.0-120		07/06/2021 16:32	WG1700175
(S) Phenol-d5	51.8		10.0-120		07/06/2021 16:32	WG1700175
(S) Nitrobenzene-d5	58.3		10.0-122		07/06/2021 16:32	WG1700175
(S) 2-Fluorobiphenyl	56.8		15.0-120		07/06/2021 16:32	WG1700175
(S) 2,4,6-Tribromophenol	51.1		10.0-127		07/06/2021 16:32	WG1700175

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

ACCOUNT:

Etech Environmental- Midland, TX

PROJECT:

14026

SDG:

L1373385

DATE/TIME:

08/13/21 09:27

PAGE:

41 of 158

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
(S) p-Terphenyl-d14	52.9		10.0-120		07/06/2021 16:32	WG1700175

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

AUGER HOLE 3 0-6"

Collected date/time: 06/28/21 12:56

SAMPLE RESULTS - 09

L1373385

Wet Chemistry by Method 3060A/7196A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium,Hexavalent	ND		2.00	1	07/09/2021 12:38	WG1700137

Metals (ICP) by Method 6010B

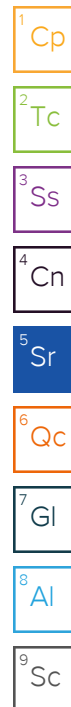
Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.11		2.00	1	07/08/2021 18:49	WG1699900
Barium	93.4		0.500	1	07/08/2021 18:49	WG1699900
Cadmium	ND		0.500	1	07/08/2021 18:49	WG1699900
Copper	6.61		2.00	1	07/08/2021 18:49	WG1699900
Lead	8.18		0.500	1	07/08/2021 18:49	WG1699900
Nickel	8.20		2.00	1	07/08/2021 18:49	WG1699900
Selenium	ND		2.00	1	07/08/2021 18:49	WG1699900
Silver	ND		1.00	1	07/08/2021 18:49	WG1699900
Zinc	29.4		5.00	1	07/08/2021 18:49	WG1699900

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	07/08/2021 12:07	WG1701735
(S) a,a,a-Trifluorotoluene(FID)	104		77.0-120		07/08/2021 12:07	WG1701735

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	07/06/2021 16:15	WG1700595
Acrylonitrile	ND		0.0125	1	07/06/2021 16:15	WG1700595
Benzene	ND		0.00100	1	07/06/2021 16:15	WG1700595
Bromobenzene	ND		0.0125	1	07/06/2021 16:15	WG1700595
Bromodichloromethane	ND		0.00250	1	07/06/2021 16:15	WG1700595
Bromoform	ND		0.0250	1	07/06/2021 16:15	WG1700595
Bromomethane	ND		0.0125	1	07/06/2021 16:15	WG1700595
n-Butylbenzene	ND		0.0125	1	07/06/2021 16:15	WG1700595
sec-Butylbenzene	ND		0.0125	1	07/06/2021 16:15	WG1700595
tert-Butylbenzene	ND		0.00500	1	07/06/2021 16:15	WG1700595
Carbon tetrachloride	ND		0.00500	1	07/06/2021 16:15	WG1700595
Chlorobenzene	ND		0.00250	1	07/06/2021 16:15	WG1700595
Chlorodibromomethane	ND		0.00250	1	07/06/2021 16:15	WG1700595
Chloroethane	ND		0.00500	1	07/06/2021 16:15	WG1700595
Chloroform	ND		0.00250	1	07/06/2021 16:15	WG1700595
Chloromethane	ND		0.0125	1	07/06/2021 16:15	WG1700595
2-Chlorotoluene	ND		0.00250	1	07/06/2021 16:15	WG1700595
4-Chlorotoluene	ND		0.00500	1	07/06/2021 16:15	WG1700595
1,2-Dibromo-3-Chloropropane	ND		0.0250	1	07/06/2021 16:15	WG1700595
1,2-Dibromoethane	ND		0.00250	1	07/06/2021 16:15	WG1700595
Dibromomethane	ND		0.00500	1	07/06/2021 16:15	WG1700595
1,2-Dichlorobenzene	ND		0.00500	1	07/06/2021 16:15	WG1700595
1,3-Dichlorobenzene	ND		0.00500	1	07/06/2021 16:15	WG1700595
1,4-Dichlorobenzene	ND		0.00500	1	07/06/2021 16:15	WG1700595
Dichlorodifluoromethane	ND		0.00250	1	07/06/2021 16:15	WG1700595
1,1-Dichloroethane	ND		0.00250	1	07/06/2021 16:15	WG1700595
1,2-Dichloroethane	ND		0.00250	1	07/06/2021 16:15	WG1700595
1,1-Dichloroethene	ND		0.00250	1	07/06/2021 16:15	WG1700595
cis-1,2-Dichloroethene	ND		0.00250	1	07/06/2021 16:15	WG1700595
trans-1,2-Dichloroethene	ND		0.00500	1	07/06/2021 16:15	WG1700595



AUGER HOLE 3 0-6"

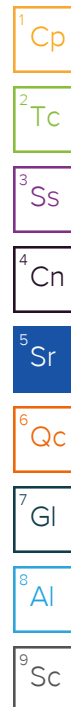
Collected date/time: 06/28/21 12:56

SAMPLE RESULTS - 09

L1373385

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	ND		0.00500	1	07/06/2021 16:15	WG1700595
1,1-Dichloropropene	ND		0.00250	1	07/06/2021 16:15	WG1700595
1,3-Dichloropropane	ND		0.00500	1	07/06/2021 16:15	WG1700595
cis-1,3-Dichloropropene	ND		0.00250	1	07/06/2021 16:15	WG1700595
trans-1,3-Dichloropropene	ND		0.00500	1	07/06/2021 16:15	WG1700595
2,2-Dichloropropane	ND		0.00250	1	07/06/2021 16:15	WG1700595
Di-isopropyl ether	ND		0.00100	1	07/06/2021 16:15	WG1700595
Ethylbenzene	ND		0.00250	1	07/06/2021 16:15	WG1700595
Hexachloro-1,3-butadiene	ND		0.0250	1	07/06/2021 16:15	WG1700595
Isopropylbenzene	ND		0.00250	1	07/06/2021 16:15	WG1700595
p-Isopropyltoluene	ND		0.00500	1	07/06/2021 16:15	WG1700595
2-Butanone (MEK)	ND		0.100	1	07/06/2021 16:15	WG1700595
Methylene Chloride	ND		0.0250	1	07/06/2021 16:15	WG1700595
4-Methyl-2-pentanone (MIBK)	ND		0.0250	1	07/06/2021 16:15	WG1700595
Methyl tert-butyl ether	ND		0.00100	1	07/06/2021 16:15	WG1700595
Naphthalene	ND	J4	0.0125	1	07/06/2021 16:15	WG1700595
n-Propylbenzene	ND		0.00500	1	07/06/2021 16:15	WG1700595
Styrene	ND		0.0125	1	07/06/2021 16:15	WG1700595
1,1,1,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 16:15	WG1700595
1,1,2,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 16:15	WG1700595
1,1,2-Trichlorotrifluoroethane	ND		0.00250	1	07/06/2021 16:15	WG1700595
Tetrachloroethene	ND		0.00250	1	07/06/2021 16:15	WG1700595
Toluene	ND		0.00500	1	07/06/2021 16:15	WG1700595
1,2,3-Trichlorobenzene	ND		0.0125	1	07/06/2021 16:15	WG1700595
1,2,4-Trichlorobenzene	ND		0.0125	1	07/06/2021 16:15	WG1700595
1,1,1-Trichloroethane	ND		0.00250	1	07/06/2021 16:15	WG1700595
1,1,2-Trichloroethane	ND		0.00250	1	07/06/2021 16:15	WG1700595
Trichloroethene	ND		0.00100	1	07/06/2021 16:15	WG1700595
Trichlorofluoromethane	ND		0.00250	1	07/06/2021 16:15	WG1700595
1,2,3-Trichloropropane	ND		0.0125	1	07/06/2021 16:15	WG1700595
1,2,4-Trimethylbenzene	ND		0.00500	1	07/06/2021 16:15	WG1700595
1,2,3-Trimethylbenzene	ND		0.00500	1	07/06/2021 16:15	WG1700595
Vinyl chloride	ND		0.00250	1	07/06/2021 16:15	WG1700595
1,3,5-Trimethylbenzene	ND		0.00500	1	07/06/2021 16:15	WG1700595
Xylenes, Total	ND		0.00650	1	07/06/2021 16:15	WG1700595
(S) Toluene-d8	97.8		75.0-131		07/06/2021 16:15	WG1700595
(S) 4-Bromofluorobenzene	103		67.0-138		07/06/2021 16:15	WG1700595
(S) 1,2-Dichloroethane-d4	99.6		70.0-130		07/06/2021 16:15	WG1700595



Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	ND		4.00	1	07/07/2021 18:23	WG1700837
(S) o-Terphenyl	67.9		18.0-148		07/07/2021 18:23	WG1700837

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0333	1	07/08/2021 18:03	WG1701393
Acenaphthylene	ND		0.0333	1	07/08/2021 18:03	WG1701393
Anthracene	ND		0.0333	1	07/08/2021 18:03	WG1701393
Benzidine	ND		1.67	1	07/08/2021 18:03	WG1701393
Benzo(a)anthracene	ND		0.0333	1	07/08/2021 18:03	WG1701393
Benzo(b)fluoranthene	ND		0.0333	1	07/08/2021 18:03	WG1701393
Benzo(k)fluoranthene	ND		0.0333	1	07/08/2021 18:03	WG1701393

ACCOUNT:

Etech Environmental- Midland, TX

PROJECT:

14026

SDG:

L1373385

DATE/TIME:

08/13/21 09:27

PAGE:

44 of 158

AUGER HOLE 3 0-6"

Collected date/time: 06/28/21 12:56

SAMPLE RESULTS - 09

L1373385

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzo(g,h,i)perylene	ND		0.0333	1	07/08/2021 18:03	WG1701393
Benzo(a)pyrene	ND		0.0333	1	07/08/2021 18:03	WG1701393
Bis(2-chloroethoxy)methane	ND		0.333	1	07/08/2021 18:03	WG1701393
Bis(2-chloroethyl)ether	ND		0.333	1	07/08/2021 18:03	WG1701393
2,2-Oxybis(1-Chloropropane)	ND		0.333	1	07/08/2021 18:03	WG1701393
4-Bromophenyl-phenylether	ND		0.333	1	07/08/2021 18:03	WG1701393
2-Chloronaphthalene	ND		0.0333	1	07/08/2021 18:03	WG1701393
4-Chlorophenyl-phenylether	ND		0.333	1	07/08/2021 18:03	WG1701393
Chrysene	ND		0.0333	1	07/08/2021 18:03	WG1701393
Dibenz(a,h)anthracene	ND		0.0333	1	07/08/2021 18:03	WG1701393
1,2-Dichlorobenzene	ND		0.333	1	07/08/2021 18:03	WG1701393
1,3-Dichlorobenzene	ND		0.333	1	07/08/2021 18:03	WG1701393
1,4-Dichlorobenzene	ND		0.333	1	07/08/2021 18:03	WG1701393
3,3-Dichlorobenzidine	ND		0.333	1	07/08/2021 18:03	WG1701393
2,4-Dinitrotoluene	ND		0.333	1	07/08/2021 18:03	WG1701393
2,6-Dinitrotoluene	ND		0.333	1	07/08/2021 18:03	WG1701393
Fluoranthene	ND		0.0333	1	07/08/2021 18:03	WG1701393
Fluorene	ND		0.0333	1	07/08/2021 18:03	WG1701393
Hexachlorobenzene	ND		0.333	1	07/08/2021 18:03	WG1701393
Hexachloro-1,3-butadiene	ND		0.333	1	07/08/2021 18:03	WG1701393
Hexachlorocyclopentadiene	ND		0.333	1	07/08/2021 18:03	WG1701393
Hexachloroethane	ND		0.333	1	07/08/2021 18:03	WG1701393
Indeno(1,2,3-cd)pyrene	ND		0.0333	1	07/08/2021 18:03	WG1701393
Isophorone	ND		0.333	1	07/08/2021 18:03	WG1701393
1-Methylnaphthalene	ND		0.0333	1	07/08/2021 18:03	WG1701393
2-Methylnaphthalene	ND		0.0333	1	07/08/2021 18:03	WG1701393
Naphthalene	ND		0.0333	1	07/08/2021 18:03	WG1701393
Nitrobenzene	ND		0.333	1	07/08/2021 18:03	WG1701393
n-Nitrosodimethylamine	ND		0.333	1	07/08/2021 18:03	WG1701393
n-Nitrosodiphenylamine	ND		0.333	1	07/08/2021 18:03	WG1701393
n-Nitrosodi-n-propylamine	ND		0.333	1	07/08/2021 18:03	WG1701393
Phenanthrene	ND		0.0333	1	07/08/2021 18:03	WG1701393
Benzylbutyl phthalate	ND		0.333	1	07/08/2021 18:03	WG1701393
Bis(2-ethylhexyl)phthalate	ND		0.333	1	07/08/2021 18:03	WG1701393
Di-n-butyl phthalate	ND		0.333	1	07/08/2021 18:03	WG1701393
Diethyl phthalate	ND		0.333	1	07/08/2021 18:03	WG1701393
Dimethyl phthalate	ND		0.333	1	07/08/2021 18:03	WG1701393
Di-n-octyl phthalate	ND		0.333	1	07/08/2021 18:03	WG1701393
Pyrene	ND		0.0333	1	07/08/2021 18:03	WG1701393
1,2,4-Trichlorobenzene	ND		0.333	1	07/08/2021 18:03	WG1701393
4-Chloro-3-methylphenol	ND		0.333	1	07/08/2021 18:03	WG1701393
2-Chlorophenol	ND		0.333	1	07/08/2021 18:03	WG1701393
2,4-Dichlorophenol	ND		0.333	1	07/08/2021 18:03	WG1701393
2,4-Dimethylphenol	ND		0.333	1	07/08/2021 18:03	WG1701393
4,6-Dinitro-2-methylphenol	ND		0.333	1	07/08/2021 18:03	WG1701393
2,4-Dinitrophenol	ND		0.333	1	07/08/2021 18:03	WG1701393
2-Nitrophenol	ND		0.333	1	07/08/2021 18:03	WG1701393
4-Nitrophenol	ND		0.333	1	07/08/2021 18:03	WG1701393
Pentachlorophenol	ND		0.333	1	07/08/2021 18:03	WG1701393
Phenol	ND		0.333	1	07/08/2021 18:03	WG1701393
2,4,6-Trichlorophenol	ND		0.333	1	07/08/2021 18:03	WG1701393
(S) 2-Fluorophenol	59.5		12.0-120		07/08/2021 18:03	WG1701393
(S) Phenol-d5	57.4		10.0-120		07/08/2021 18:03	WG1701393
(S) Nitrobenzene-d5	60.9		10.0-122		07/08/2021 18:03	WG1701393
(S) 2-Fluorobiphenyl	59.7		15.0-120		07/08/2021 18:03	WG1701393
(S) 2,4,6-Tribromophenol	63.8		10.0-127		07/08/2021 18:03	WG1701393

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

ACCOUNT:

Etech Environmental- Midland, TX

PROJECT:

14026

SDG:

L1373385

DATE/TIME:

08/13/21 09:27

PAGE:

45 of 158

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
(S) p-Terphenyl-d14	59.4		10.0-120		07/08/2021 18:03	WG1701393

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

AUGER HOLE 3 6"-12"

Collected date/time: 06/28/21 12:58

SAMPLE RESULTS - 10

L1373385

Wet Chemistry by Method 3060A/7196A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium,Hexavalent	ND	J5 J6 O1	2.00	1	07/08/2021 20:34	WG1700138

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.30		2.00	1	07/08/2021 18:51	WG1699900
Barium	133		0.500	1	07/08/2021 18:51	WG1699900
Cadmium	ND		0.500	1	07/08/2021 18:51	WG1699900
Copper	9.75		2.00	1	07/08/2021 18:51	WG1699900
Lead	7.69		0.500	1	07/08/2021 18:51	WG1699900
Nickel	11.7		2.00	1	07/08/2021 18:51	WG1699900
Selenium	ND		2.00	1	07/08/2021 18:51	WG1699900
Silver	ND		1.00	1	07/08/2021 18:51	WG1699900
Zinc	36.5		5.00	1	07/08/2021 18:51	WG1699900

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.118	B	0.100	1	07/08/2021 12:31	WG1701735
(S) a,a,a-Trifluorotoluene(FID)	105		77.0-120		07/08/2021 12:31	WG1701735

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	07/06/2021 16:53	WG1700625
Acrylonitrile	ND		0.0125	1	07/06/2021 16:53	WG1700625
Benzene	ND		0.00100	1	07/06/2021 16:53	WG1700625
Bromobenzene	ND		0.0125	1	07/06/2021 16:53	WG1700625
Bromodichloromethane	ND		0.00250	1	07/06/2021 16:53	WG1700625
Bromoform	ND		0.0250	1	07/06/2021 16:53	WG1700625
Bromomethane	ND		0.0125	1	07/06/2021 16:53	WG1700625
n-Butylbenzene	ND		0.0125	1	07/06/2021 16:53	WG1700625
sec-Butylbenzene	ND		0.0125	1	07/06/2021 16:53	WG1700625
tert-Butylbenzene	ND		0.00500	1	07/06/2021 16:53	WG1700625
Carbon tetrachloride	ND		0.00500	1	07/06/2021 16:53	WG1700625
Chlorobenzene	ND		0.00250	1	07/06/2021 16:53	WG1700625
Chlorodibromomethane	ND		0.00250	1	07/06/2021 16:53	WG1700625
Chloroethane	ND		0.00500	1	07/06/2021 16:53	WG1700625
Chloroform	ND		0.00250	1	07/06/2021 16:53	WG1700625
Chloromethane	ND		0.0125	1	07/06/2021 16:53	WG1700625
2-Chlorotoluene	ND		0.00250	1	07/06/2021 16:53	WG1700625
4-Chlorotoluene	ND		0.00500	1	07/06/2021 16:53	WG1700625
1,2-Dibromo-3-Chloropropane	ND		0.0250	1	07/06/2021 16:53	WG1700625
1,2-Dibromoethane	ND		0.00250	1	07/06/2021 16:53	WG1700625
Dibromomethane	ND		0.00500	1	07/06/2021 16:53	WG1700625
1,2-Dichlorobenzene	ND		0.00500	1	07/06/2021 16:53	WG1700625
1,3-Dichlorobenzene	ND		0.00500	1	07/06/2021 16:53	WG1700625
1,4-Dichlorobenzene	ND		0.00500	1	07/06/2021 16:53	WG1700625
Dichlorodifluoromethane	ND		0.00250	1	07/06/2021 16:53	WG1700625
1,1-Dichloroethane	ND		0.00250	1	07/06/2021 16:53	WG1700625
1,2-Dichloroethane	ND		0.00250	1	07/06/2021 16:53	WG1700625
1,1-Dichloroethene	ND		0.00250	1	07/06/2021 16:53	WG1700625
cis-1,2-Dichloroethene	ND		0.00250	1	07/06/2021 16:53	WG1700625
trans-1,2-Dichloroethene	ND		0.00500	1	07/06/2021 16:53	WG1700625



AUGER HOLE 3 6"-12"

Collected date/time: 06/28/21 12:58

SAMPLE RESULTS - 10

L1373385

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	ND		0.00500	1	07/06/2021 16:53	WG1700625
1,1-Dichloropropene	ND		0.00250	1	07/06/2021 16:53	WG1700625
1,3-Dichloropropane	ND		0.00500	1	07/06/2021 16:53	WG1700625
cis-1,3-Dichloropropene	ND		0.00250	1	07/06/2021 16:53	WG1700625
trans-1,3-Dichloropropene	ND		0.00500	1	07/06/2021 16:53	WG1700625
2,2-Dichloropropane	ND		0.00250	1	07/06/2021 16:53	WG1700625
Di-isopropyl ether	ND		0.00100	1	07/06/2021 16:53	WG1700625
Ethylbenzene	ND		0.00250	1	07/06/2021 16:53	WG1700625
Hexachloro-1,3-butadiene	ND		0.0250	1	07/06/2021 16:53	WG1700625
Isopropylbenzene	ND		0.00250	1	07/06/2021 16:53	WG1700625
p-Isopropyltoluene	ND		0.00500	1	07/06/2021 16:53	WG1700625
2-Butanone (MEK)	ND		0.100	1	07/06/2021 16:53	WG1700625
Methylene Chloride	ND		0.0250	1	07/06/2021 16:53	WG1700625
4-Methyl-2-pentanone (MIBK)	ND		0.0250	1	07/06/2021 16:53	WG1700625
Methyl tert-butyl ether	ND		0.00100	1	07/06/2021 16:53	WG1700625
Naphthalene	ND	J4	0.0125	1	07/06/2021 16:53	WG1700625
n-Propylbenzene	ND		0.00500	1	07/06/2021 16:53	WG1700625
Styrene	ND		0.0125	1	07/06/2021 16:53	WG1700625
1,1,1,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 16:53	WG1700625
1,1,2,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 16:53	WG1700625
1,1,2-Trichlorotrifluoroethane	ND		0.00250	1	07/06/2021 16:53	WG1700625
Tetrachloroethene	ND		0.00250	1	07/06/2021 16:53	WG1700625
Toluene	ND		0.00500	1	07/06/2021 16:53	WG1700625
1,2,3-Trichlorobenzene	ND		0.0125	1	07/06/2021 16:53	WG1700625
1,2,4-Trichlorobenzene	ND		0.0125	1	07/06/2021 16:53	WG1700625
1,1,1-Trichloroethane	ND		0.00250	1	07/06/2021 16:53	WG1700625
1,1,2-Trichloroethane	ND		0.00250	1	07/06/2021 16:53	WG1700625
Trichloroethene	ND		0.00100	1	07/06/2021 16:53	WG1700625
Trichlorofluoromethane	ND		0.00250	1	07/06/2021 16:53	WG1700625
1,2,3-Trichloropropane	ND		0.0125	1	07/06/2021 16:53	WG1700625
1,2,4-Trimethylbenzene	ND		0.00500	1	07/06/2021 16:53	WG1700625
1,2,3-Trimethylbenzene	ND		0.00500	1	07/06/2021 16:53	WG1700625
Vinyl chloride	ND		0.00250	1	07/06/2021 16:53	WG1700625
1,3,5-Trimethylbenzene	ND		0.00500	1	07/06/2021 16:53	WG1700625
Xylenes, Total	ND		0.00650	1	07/06/2021 16:53	WG1700625
(S) Toluene-d8	97.6		75.0-131		07/06/2021 16:53	WG1700625
(S) 4-Bromofluorobenzene	105		67.0-138		07/06/2021 16:53	WG1700625
(S) 1,2-Dichloroethane-d4	103		70.0-130		07/06/2021 16:53	WG1700625

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

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.45		4.00	1	07/07/2021 18:36	WG1700837
(S) o-Terphenyl	74.9		18.0-148		07/07/2021 18:36	WG1700837

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0333	1	07/08/2021 17:43	WG1701393
Acenaphthylene	ND		0.0333	1	07/08/2021 17:43	WG1701393
Anthracene	ND		0.0333	1	07/08/2021 17:43	WG1701393
Benzidine	ND		1.67	1	07/08/2021 17:43	WG1701393
Benzo(a)anthracene	ND		0.0333	1	07/08/2021 17:43	WG1701393
Benzo(b)fluoranthene	ND		0.0333	1	07/08/2021 17:43	WG1701393
Benzo(k)fluoranthene	ND		0.0333	1	07/08/2021 17:43	WG1701393

AUGER HOLE 3 6"-12"

Collected date/time: 06/28/21 12:58

SAMPLE RESULTS - 10

L1373385

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzo(g,h,i)perylene	ND		0.0333	1	07/08/2021 17:43	WG1701393
Benzo(a)pyrene	ND		0.0333	1	07/08/2021 17:43	WG1701393
Bis(2-chloroethoxy)methane	ND		0.333	1	07/08/2021 17:43	WG1701393
Bis(2-chloroethyl)ether	ND		0.333	1	07/08/2021 17:43	WG1701393
2,2-Oxybis(1-Chloropropane)	ND		0.333	1	07/08/2021 17:43	WG1701393
4-Bromophenyl-phenylether	ND		0.333	1	07/08/2021 17:43	WG1701393
2-Chloronaphthalene	ND		0.0333	1	07/08/2021 17:43	WG1701393
4-Chlorophenyl-phenylether	ND		0.333	1	07/08/2021 17:43	WG1701393
Chrysene	ND		0.0333	1	07/08/2021 17:43	WG1701393
Dibenz(a,h)anthracene	ND		0.0333	1	07/08/2021 17:43	WG1701393
1,2-Dichlorobenzene	ND		0.333	1	07/08/2021 17:43	WG1701393
1,3-Dichlorobenzene	ND		0.333	1	07/08/2021 17:43	WG1701393
1,4-Dichlorobenzene	ND		0.333	1	07/08/2021 17:43	WG1701393
3,3-Dichlorobenzidine	ND		0.333	1	07/08/2021 17:43	WG1701393
2,4-Dinitrotoluene	ND		0.333	1	07/08/2021 17:43	WG1701393
2,6-Dinitrotoluene	ND		0.333	1	07/08/2021 17:43	WG1701393
Fluoranthene	ND		0.0333	1	07/08/2021 17:43	WG1701393
Fluorene	ND		0.0333	1	07/08/2021 17:43	WG1701393
Hexachlorobenzene	ND		0.333	1	07/08/2021 17:43	WG1701393
Hexachloro-1,3-butadiene	ND		0.333	1	07/08/2021 17:43	WG1701393
Hexachlorocyclopentadiene	ND		0.333	1	07/08/2021 17:43	WG1701393
Hexachloroethane	ND		0.333	1	07/08/2021 17:43	WG1701393
Indeno(1,2,3-cd)pyrene	ND		0.0333	1	07/08/2021 17:43	WG1701393
Isophorone	ND		0.333	1	07/08/2021 17:43	WG1701393
1-Methylnaphthalene	ND		0.0333	1	07/08/2021 17:43	WG1701393
2-Methylnaphthalene	ND		0.0333	1	07/08/2021 17:43	WG1701393
Naphthalene	ND		0.0333	1	07/08/2021 17:43	WG1701393
Nitrobenzene	ND		0.333	1	07/08/2021 17:43	WG1701393
n-Nitrosodimethylamine	ND		0.333	1	07/08/2021 17:43	WG1701393
n-Nitrosodiphenylamine	ND		0.333	1	07/08/2021 17:43	WG1701393
n-Nitrosodi-n-propylamine	ND		0.333	1	07/08/2021 17:43	WG1701393
Phenanthrene	ND		0.0333	1	07/08/2021 17:43	WG1701393
Benzylbutyl phthalate	ND		0.333	1	07/08/2021 17:43	WG1701393
Bis(2-ethylhexyl)phthalate	ND		0.333	1	07/08/2021 17:43	WG1701393
Di-n-butyl phthalate	ND		0.333	1	07/08/2021 17:43	WG1701393
Diethyl phthalate	ND		0.333	1	07/08/2021 17:43	WG1701393
Dimethyl phthalate	ND		0.333	1	07/08/2021 17:43	WG1701393
Di-n-octyl phthalate	ND		0.333	1	07/08/2021 17:43	WG1701393
Pyrene	ND		0.0333	1	07/08/2021 17:43	WG1701393
1,2,4-Trichlorobenzene	ND		0.333	1	07/08/2021 17:43	WG1701393
4-Chloro-3-methylphenol	ND		0.333	1	07/08/2021 17:43	WG1701393
2-Chlorophenol	ND		0.333	1	07/08/2021 17:43	WG1701393
2,4-Dichlorophenol	ND		0.333	1	07/08/2021 17:43	WG1701393
2,4-Dimethylphenol	ND		0.333	1	07/08/2021 17:43	WG1701393
4,6-Dinitro-2-methylphenol	ND		0.333	1	07/08/2021 17:43	WG1701393
2,4-Dinitrophenol	ND		0.333	1	07/08/2021 17:43	WG1701393
2-Nitrophenol	ND		0.333	1	07/08/2021 17:43	WG1701393
4-Nitrophenol	ND		0.333	1	07/08/2021 17:43	WG1701393
Pentachlorophenol	ND		0.333	1	07/08/2021 17:43	WG1701393
Phenol	ND		0.333	1	07/08/2021 17:43	WG1701393
2,4,6-Trichlorophenol	ND		0.333	1	07/08/2021 17:43	WG1701393
(S) 2-Fluorophenol	61.8		12.0-120		07/08/2021 17:43	WG1701393
(S) Phenol-d5	60.3		10.0-120		07/08/2021 17:43	WG1701393
(S) Nitrobenzene-d5	62.0		10.0-122		07/08/2021 17:43	WG1701393
(S) 2-Fluorobiphenyl	62.0		15.0-120		07/08/2021 17:43	WG1701393
(S) 2,4,6-Tribromophenol	65.6		10.0-127		07/08/2021 17:43	WG1701393

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
(S) p-Terphenyl-d14	57.9		10.0-120		07/08/2021 17:43	WG1701393

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

AUGER HOLE 3 12"-18"

Collected date/time: 06/28/21 13:00

SAMPLE RESULTS - 11

L1373385

Wet Chemistry by Method 3060A/7196A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium,Hexavalent	ND		2.00	1	07/08/2021 20:36	WG1700138

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	6.00		2.00	1	07/08/2021 18:54	WG1699900
Barium	223		0.500	1	07/08/2021 18:54	WG1699900
Cadmium	ND		0.500	1	07/08/2021 18:54	WG1699900
Copper	13.0		2.00	1	07/08/2021 18:54	WG1699900
Lead	11.0		0.500	1	07/08/2021 18:54	WG1699900
Nickel	16.9		2.00	1	07/08/2021 18:54	WG1699900
Selenium	ND		2.00	1	07/08/2021 18:54	WG1699900
Silver	ND		1.00	1	07/08/2021 18:54	WG1699900
Zinc	50.7		5.00	1	07/08/2021 18:54	WG1699900

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	07/08/2021 13:42	WG1701735
(S) a,a,a-Trifluorotoluene(FID)	105		77.0-120		07/08/2021 13:42	WG1701735

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	07/06/2021 17:11	WG1700625
Acrylonitrile	ND		0.0125	1	07/06/2021 17:11	WG1700625
Benzene	ND		0.00100	1	07/06/2021 17:11	WG1700625
Bromobenzene	ND		0.0125	1	07/06/2021 17:11	WG1700625
Bromodichloromethane	ND		0.00250	1	07/06/2021 17:11	WG1700625
Bromoform	ND		0.0250	1	07/06/2021 17:11	WG1700625
Bromomethane	ND		0.0125	1	07/06/2021 17:11	WG1700625
n-Butylbenzene	ND		0.0125	1	07/06/2021 17:11	WG1700625
sec-Butylbenzene	ND		0.0125	1	07/06/2021 17:11	WG1700625
tert-Butylbenzene	ND		0.00500	1	07/06/2021 17:11	WG1700625
Carbon tetrachloride	ND		0.00500	1	07/06/2021 17:11	WG1700625
Chlorobenzene	ND		0.00250	1	07/06/2021 17:11	WG1700625
Chlorodibromomethane	ND		0.00250	1	07/06/2021 17:11	WG1700625
Chloroethane	ND		0.00500	1	07/06/2021 17:11	WG1700625
Chloroform	ND		0.00250	1	07/06/2021 17:11	WG1700625
Chloromethane	ND		0.0125	1	07/06/2021 17:11	WG1700625
2-Chlorotoluene	ND		0.00250	1	07/06/2021 17:11	WG1700625
4-Chlorotoluene	ND		0.00500	1	07/06/2021 17:11	WG1700625
1,2-Dibromo-3-Chloropropane	ND		0.0250	1	07/06/2021 17:11	WG1700625
1,2-Dibromoethane	ND		0.00250	1	07/06/2021 17:11	WG1700625
Dibromomethane	ND		0.00500	1	07/06/2021 17:11	WG1700625
1,2-Dichlorobenzene	ND		0.00500	1	07/06/2021 17:11	WG1700625
1,3-Dichlorobenzene	ND		0.00500	1	07/06/2021 17:11	WG1700625
1,4-Dichlorobenzene	ND		0.00500	1	07/06/2021 17:11	WG1700625
Dichlorodifluoromethane	ND		0.00250	1	07/06/2021 17:11	WG1700625
1,1-Dichloroethane	ND		0.00250	1	07/06/2021 17:11	WG1700625
1,2-Dichloroethane	ND		0.00250	1	07/06/2021 17:11	WG1700625
1,1-Dichloroethene	ND		0.00250	1	07/06/2021 17:11	WG1700625
cis-1,2-Dichloroethene	ND		0.00250	1	07/06/2021 17:11	WG1700625
trans-1,2-Dichloroethene	ND		0.00500	1	07/06/2021 17:11	WG1700625

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

AUGER HOLE 3 12"-18"

Collected date/time: 06/28/21 13:00

SAMPLE RESULTS - 11

L1373385

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	ND		0.00500	1	07/06/2021 17:11	WG1700625
1,1-Dichloropropene	ND		0.00250	1	07/06/2021 17:11	WG1700625
1,3-Dichloropropane	ND		0.00500	1	07/06/2021 17:11	WG1700625
cis-1,3-Dichloropropene	ND		0.00250	1	07/06/2021 17:11	WG1700625
trans-1,3-Dichloropropene	ND		0.00500	1	07/06/2021 17:11	WG1700625
2,2-Dichloropropane	ND		0.00250	1	07/06/2021 17:11	WG1700625
Di-isopropyl ether	ND		0.00100	1	07/06/2021 17:11	WG1700625
Ethylbenzene	ND		0.00250	1	07/06/2021 17:11	WG1700625
Hexachloro-1,3-butadiene	ND		0.0250	1	07/06/2021 17:11	WG1700625
Isopropylbenzene	ND		0.00250	1	07/06/2021 17:11	WG1700625
p-Isopropyltoluene	ND		0.00500	1	07/06/2021 17:11	WG1700625
2-Butanone (MEK)	ND		0.100	1	07/06/2021 17:11	WG1700625
Methylene Chloride	ND		0.0250	1	07/06/2021 17:11	WG1700625
4-Methyl-2-pentanone (MIBK)	ND		0.0250	1	07/06/2021 17:11	WG1700625
Methyl tert-butyl ether	ND		0.00100	1	07/06/2021 17:11	WG1700625
Naphthalene	ND	J4	0.0125	1	07/06/2021 17:11	WG1700625
n-Propylbenzene	ND		0.00500	1	07/06/2021 17:11	WG1700625
Styrene	ND		0.0125	1	07/06/2021 17:11	WG1700625
1,1,1,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 17:11	WG1700625
1,1,2,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 17:11	WG1700625
1,1,2-Trichlorotrifluoroethane	ND		0.00250	1	07/06/2021 17:11	WG1700625
Tetrachloroethene	ND		0.00250	1	07/06/2021 17:11	WG1700625
Toluene	ND		0.00500	1	07/06/2021 17:11	WG1700625
1,2,3-Trichlorobenzene	ND		0.0125	1	07/06/2021 17:11	WG1700625
1,2,4-Trichlorobenzene	ND		0.0125	1	07/06/2021 17:11	WG1700625
1,1,1-Trichloroethane	ND		0.00250	1	07/06/2021 17:11	WG1700625
1,1,2-Trichloroethane	ND		0.00250	1	07/06/2021 17:11	WG1700625
Trichloroethene	ND		0.00100	1	07/06/2021 17:11	WG1700625
Trichlorofluoromethane	ND		0.00250	1	07/06/2021 17:11	WG1700625
1,2,3-Trichloropropane	ND		0.0125	1	07/06/2021 17:11	WG1700625
1,2,4-Trimethylbenzene	ND		0.00500	1	07/06/2021 17:11	WG1700625
1,2,3-Trimethylbenzene	ND		0.00500	1	07/06/2021 17:11	WG1700625
Vinyl chloride	ND		0.00250	1	07/06/2021 17:11	WG1700625
1,3,5-Trimethylbenzene	ND		0.00500	1	07/06/2021 17:11	WG1700625
Xylenes, Total	ND		0.00650	1	07/06/2021 17:11	WG1700625
(S) Toluene-d8	96.3		75.0-131		07/06/2021 17:11	WG1700625
(S) 4-Bromofluorobenzene	104		67.0-138		07/06/2021 17:11	WG1700625
(S) 1,2-Dichloroethane-d4	102		70.0-130		07/06/2021 17:11	WG1700625

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	ND		4.00	1	07/07/2021 17:55	WG1700837
(S) o-Terphenyl	66.9		18.0-148		07/07/2021 17:55	WG1700837

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0333	1	07/08/2021 17:22	WG1701393
Acenaphthylene	ND		0.0333	1	07/08/2021 17:22	WG1701393
Anthracene	ND		0.0333	1	07/08/2021 17:22	WG1701393
Benzidine	ND		1.67	1	07/08/2021 17:22	WG1701393
Benzo(a)anthracene	ND		0.0333	1	07/08/2021 17:22	WG1701393
Benzo(b)fluoranthene	ND		0.0333	1	07/08/2021 17:22	WG1701393
Benzo(k)fluoranthene	ND		0.0333	1	07/08/2021 17:22	WG1701393

AUGER HOLE 3 12"-18"

Collected date/time: 06/28/21 13:00

SAMPLE RESULTS - 11

L1373385

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzo(g,h,i)perylene	ND		0.0333	1	07/08/2021 17:22	WG1701393
Benzo(a)pyrene	ND		0.0333	1	07/08/2021 17:22	WG1701393
Bis(2-chloroethoxy)methane	ND		0.333	1	07/08/2021 17:22	WG1701393
Bis(2-chloroethyl)ether	ND		0.333	1	07/08/2021 17:22	WG1701393
2,2-Oxybis(1-Chloropropane)	ND		0.333	1	07/08/2021 17:22	WG1701393
4-Bromophenyl-phenylether	ND		0.333	1	07/08/2021 17:22	WG1701393
2-Chloronaphthalene	ND		0.0333	1	07/08/2021 17:22	WG1701393
4-Chlorophenyl-phenylether	ND		0.333	1	07/08/2021 17:22	WG1701393
Chrysene	ND		0.0333	1	07/08/2021 17:22	WG1701393
Dibenz(a,h)anthracene	ND		0.0333	1	07/08/2021 17:22	WG1701393
1,2-Dichlorobenzene	ND		0.333	1	07/08/2021 17:22	WG1701393
1,3-Dichlorobenzene	ND		0.333	1	07/08/2021 17:22	WG1701393
1,4-Dichlorobenzene	ND		0.333	1	07/08/2021 17:22	WG1701393
3,3-Dichlorobenzidine	ND		0.333	1	07/08/2021 17:22	WG1701393
2,4-Dinitrotoluene	ND		0.333	1	07/08/2021 17:22	WG1701393
2,6-Dinitrotoluene	ND		0.333	1	07/08/2021 17:22	WG1701393
Fluoranthene	ND		0.0333	1	07/08/2021 17:22	WG1701393
Fluorene	ND		0.0333	1	07/08/2021 17:22	WG1701393
Hexachlorobenzene	ND		0.333	1	07/08/2021 17:22	WG1701393
Hexachloro-1,3-butadiene	ND		0.333	1	07/08/2021 17:22	WG1701393
Hexachlorocyclopentadiene	ND		0.333	1	07/08/2021 17:22	WG1701393
Hexachloroethane	ND		0.333	1	07/08/2021 17:22	WG1701393
Indeno(1,2,3-cd)pyrene	ND		0.0333	1	07/08/2021 17:22	WG1701393
Isophorone	ND		0.333	1	07/08/2021 17:22	WG1701393
1-Methylnaphthalene	ND		0.0333	1	07/08/2021 17:22	WG1701393
2-Methylnaphthalene	ND		0.0333	1	07/08/2021 17:22	WG1701393
Naphthalene	ND		0.0333	1	07/08/2021 17:22	WG1701393
Nitrobenzene	ND		0.333	1	07/08/2021 17:22	WG1701393
n-Nitrosodimethylamine	ND		0.333	1	07/08/2021 17:22	WG1701393
n-Nitrosodiphenylamine	ND		0.333	1	07/08/2021 17:22	WG1701393
n-Nitrosodi-n-propylamine	ND		0.333	1	07/08/2021 17:22	WG1701393
Phenanthrene	ND		0.0333	1	07/08/2021 17:22	WG1701393
Benzylbutyl phthalate	ND		0.333	1	07/08/2021 17:22	WG1701393
Bis(2-ethylhexyl)phthalate	ND		0.333	1	07/08/2021 17:22	WG1701393
Di-n-butyl phthalate	ND		0.333	1	07/08/2021 17:22	WG1701393
Diethyl phthalate	ND		0.333	1	07/08/2021 17:22	WG1701393
Dimethyl phthalate	ND		0.333	1	07/08/2021 17:22	WG1701393
Di-n-octyl phthalate	ND		0.333	1	07/08/2021 17:22	WG1701393
Pyrene	ND		0.0333	1	07/08/2021 17:22	WG1701393
1,2,4-Trichlorobenzene	ND		0.333	1	07/08/2021 17:22	WG1701393
4-Chloro-3-methylphenol	ND		0.333	1	07/08/2021 17:22	WG1701393
2-Chlorophenol	ND		0.333	1	07/08/2021 17:22	WG1701393
2,4-Dichlorophenol	ND		0.333	1	07/08/2021 17:22	WG1701393
2,4-Dimethylphenol	ND		0.333	1	07/08/2021 17:22	WG1701393
4,6-Dinitro-2-methylphenol	ND		0.333	1	07/08/2021 17:22	WG1701393
2,4-Dinitrophenol	ND		0.333	1	07/08/2021 17:22	WG1701393
2-Nitrophenol	ND		0.333	1	07/08/2021 17:22	WG1701393
4-Nitrophenol	ND		0.333	1	07/08/2021 17:22	WG1701393
Pentachlorophenol	ND		0.333	1	07/08/2021 17:22	WG1701393
Phenol	ND		0.333	1	07/08/2021 17:22	WG1701393
2,4,6-Trichlorophenol	ND		0.333	1	07/08/2021 17:22	WG1701393
(S) 2-Fluorophenol	63.7		12.0-120		07/08/2021 17:22	WG1701393
(S) Phenol-d5	62.1		10.0-120		07/08/2021 17:22	WG1701393
(S) Nitrobenzene-d5	63.0		10.0-122		07/08/2021 17:22	WG1701393
(S) 2-Fluorobiphenyl	62.4		15.0-120		07/08/2021 17:22	WG1701393
(S) 2,4,6-Tribromophenol	64.1		10.0-127		07/08/2021 17:22	WG1701393

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

ACCOUNT:

Etech Environmental- Midland, TX

PROJECT:

14026

SDG:

L1373385

DATE/TIME:

08/13/21 09:27

PAGE:

53 of 158

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
(S) p-Terphenyl-d14	60.6		10.0-120		07/08/2021 17:22	WG1701393

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

AUGER HOLE 3 18"-24"

Collected date/time: 06/28/21 13:02

SAMPLE RESULTS - 12

L1373385

Wet Chemistry by Method 3060A/7196A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium,Hexavalent	ND		2.00	1	07/08/2021 20:36	WG1700138

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	5.24		2.00	1	07/08/2021 18:57	WG1699900
Barium	219		0.500	1	07/08/2021 18:57	WG1699900
Cadmium	ND		0.500	1	07/08/2021 18:57	WG1699900
Copper	12.7		2.00	1	07/08/2021 18:57	WG1699900
Lead	10.8		0.500	1	07/08/2021 18:57	WG1699900
Nickel	16.2		2.00	1	07/08/2021 18:57	WG1699900
Selenium	ND		2.00	1	07/08/2021 18:57	WG1699900
Silver	ND		1.00	1	07/08/2021 18:57	WG1699900
Zinc	47.5		5.00	1	07/08/2021 18:57	WG1699900

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	07/08/2021 14:06	WG1701735
(S) a,a,a-Trifluorotoluene(FID)	105		77.0-120		07/08/2021 14:06	WG1701735

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	07/06/2021 17:30	WG1700625
Acrylonitrile	ND		0.0125	1	07/06/2021 17:30	WG1700625
Benzene	ND		0.00100	1	07/06/2021 17:30	WG1700625
Bromobenzene	ND		0.0125	1	07/06/2021 17:30	WG1700625
Bromodichloromethane	ND		0.00250	1	07/06/2021 17:30	WG1700625
Bromoform	ND		0.0250	1	07/06/2021 17:30	WG1700625
Bromomethane	ND		0.0125	1	07/06/2021 17:30	WG1700625
n-Butylbenzene	ND		0.0125	1	07/06/2021 17:30	WG1700625
sec-Butylbenzene	ND		0.0125	1	07/06/2021 17:30	WG1700625
tert-Butylbenzene	ND		0.00500	1	07/06/2021 17:30	WG1700625
Carbon tetrachloride	ND		0.00500	1	07/06/2021 17:30	WG1700625
Chlorobenzene	ND		0.00250	1	07/06/2021 17:30	WG1700625
Chlorodibromomethane	ND		0.00250	1	07/06/2021 17:30	WG1700625
Chloroethane	ND		0.00500	1	07/06/2021 17:30	WG1700625
Chloroform	ND		0.00250	1	07/06/2021 17:30	WG1700625
Chloromethane	ND		0.0125	1	07/06/2021 17:30	WG1700625
2-Chlorotoluene	ND		0.00250	1	07/06/2021 17:30	WG1700625
4-Chlorotoluene	ND		0.00500	1	07/06/2021 17:30	WG1700625
1,2-Dibromo-3-Chloropropane	ND		0.0250	1	07/06/2021 17:30	WG1700625
1,2-Dibromoethane	ND		0.00250	1	07/06/2021 17:30	WG1700625
Dibromomethane	ND		0.00500	1	07/06/2021 17:30	WG1700625
1,2-Dichlorobenzene	ND		0.00500	1	07/06/2021 17:30	WG1700625
1,3-Dichlorobenzene	ND		0.00500	1	07/06/2021 17:30	WG1700625
1,4-Dichlorobenzene	ND		0.00500	1	07/06/2021 17:30	WG1700625
Dichlorodifluoromethane	ND		0.00250	1	07/06/2021 17:30	WG1700625
1,1-Dichloroethane	ND		0.00250	1	07/06/2021 17:30	WG1700625
1,2-Dichloroethane	ND		0.00250	1	07/06/2021 17:30	WG1700625
1,1-Dichloroethene	ND		0.00250	1	07/06/2021 17:30	WG1700625
cis-1,2-Dichloroethene	ND		0.00250	1	07/06/2021 17:30	WG1700625
trans-1,2-Dichloroethene	ND		0.00500	1	07/06/2021 17:30	WG1700625

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

AUGER HOLE 3 18"-24"

Collected date/time: 06/28/21 13:02

SAMPLE RESULTS - 12

L1373385

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	ND		0.00500	1	07/06/2021 17:30	WG1700625
1,1-Dichloropropene	ND		0.00250	1	07/06/2021 17:30	WG1700625
1,3-Dichloropropane	ND		0.00500	1	07/06/2021 17:30	WG1700625
cis-1,3-Dichloropropene	ND		0.00250	1	07/06/2021 17:30	WG1700625
trans-1,3-Dichloropropene	ND		0.00500	1	07/06/2021 17:30	WG1700625
2,2-Dichloropropane	ND		0.00250	1	07/06/2021 17:30	WG1700625
Di-isopropyl ether	ND		0.00100	1	07/06/2021 17:30	WG1700625
Ethylbenzene	ND		0.00250	1	07/06/2021 17:30	WG1700625
Hexachloro-1,3-butadiene	ND		0.0250	1	07/06/2021 17:30	WG1700625
Isopropylbenzene	ND		0.00250	1	07/06/2021 17:30	WG1700625
p-Isopropyltoluene	ND		0.00500	1	07/06/2021 17:30	WG1700625
2-Butanone (MEK)	ND		0.100	1	07/06/2021 17:30	WG1700625
Methylene Chloride	ND		0.0250	1	07/06/2021 17:30	WG1700625
4-Methyl-2-pentanone (MIBK)	ND		0.0250	1	07/06/2021 17:30	WG1700625
Methyl tert-butyl ether	ND		0.00100	1	07/06/2021 17:30	WG1700625
Naphthalene	ND	J4	0.0125	1	07/06/2021 17:30	WG1700625
n-Propylbenzene	ND		0.00500	1	07/06/2021 17:30	WG1700625
Styrene	ND		0.0125	1	07/06/2021 17:30	WG1700625
1,1,1,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 17:30	WG1700625
1,1,2,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 17:30	WG1700625
1,1,2-Trichlorotrifluoroethane	ND		0.00250	1	07/06/2021 17:30	WG1700625
Tetrachloroethene	ND		0.00250	1	07/06/2021 17:30	WG1700625
Toluene	ND		0.00500	1	07/06/2021 17:30	WG1700625
1,2,3-Trichlorobenzene	ND		0.0125	1	07/06/2021 17:30	WG1700625
1,2,4-Trichlorobenzene	ND		0.0125	1	07/06/2021 17:30	WG1700625
1,1,1-Trichloroethane	ND		0.00250	1	07/06/2021 17:30	WG1700625
1,1,2-Trichloroethane	ND		0.00250	1	07/06/2021 17:30	WG1700625
Trichloroethene	ND		0.00100	1	07/06/2021 17:30	WG1700625
Trichlorofluoromethane	ND		0.00250	1	07/06/2021 17:30	WG1700625
1,2,3-Trichloropropane	ND		0.0125	1	07/06/2021 17:30	WG1700625
1,2,4-Trimethylbenzene	ND		0.00500	1	07/06/2021 17:30	WG1700625
1,2,3-Trimethylbenzene	ND		0.00500	1	07/06/2021 17:30	WG1700625
Vinyl chloride	ND		0.00250	1	07/06/2021 17:30	WG1700625
1,3,5-Trimethylbenzene	ND		0.00500	1	07/06/2021 17:30	WG1700625
Xylenes, Total	ND		0.00650	1	07/06/2021 17:30	WG1700625
(S) Toluene-d8	97.5		75.0-131		07/06/2021 17:30	WG1700625
(S) 4-Bromofluorobenzene	98.4		67.0-138		07/06/2021 17:30	WG1700625
(S) 1,2-Dichloroethane-d4	101		70.0-130		07/06/2021 17:30	WG1700625

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	ND		4.00	1	07/07/2021 17:42	WG1700837
(S) o-Terphenyl	63.7		18.0-148		07/07/2021 17:42	WG1700837

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0333	1	07/08/2021 12:53	WG1701393
Acenaphthylene	ND		0.0333	1	07/08/2021 12:53	WG1701393
Anthracene	ND		0.0333	1	07/08/2021 12:53	WG1701393
Benzidine	ND		1.67	1	07/08/2021 12:53	WG1701393
Benzo(a)anthracene	ND		0.0333	1	07/08/2021 12:53	WG1701393
Benzo(b)fluoranthene	ND		0.0333	1	07/08/2021 12:53	WG1701393
Benzo(k)fluoranthene	ND		0.0333	1	07/08/2021 12:53	WG1701393

AUGER HOLE 3 18"-24"

Collected date/time: 06/28/21 13:02

SAMPLE RESULTS - 12

L1373385

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzo(g,h,i)perylene	ND		0.0333	1	07/08/2021 12:53	WG1701393
Benzo(a)pyrene	ND		0.0333	1	07/08/2021 12:53	WG1701393
Bis(2-chloroethoxy)methane	ND		0.333	1	07/08/2021 12:53	WG1701393
Bis(2-chloroethyl)ether	ND		0.333	1	07/08/2021 12:53	WG1701393
2,2-Oxybis(1-Chloropropane)	ND		0.333	1	07/08/2021 12:53	WG1701393
4-Bromophenyl-phenylether	ND		0.333	1	07/08/2021 12:53	WG1701393
2-Chloronaphthalene	ND		0.0333	1	07/08/2021 12:53	WG1701393
4-Chlorophenyl-phenylether	ND		0.333	1	07/08/2021 12:53	WG1701393
Chrysene	ND		0.0333	1	07/08/2021 12:53	WG1701393
Dibenz(a,h)anthracene	ND		0.0333	1	07/08/2021 12:53	WG1701393
1,2-Dichlorobenzene	ND		0.333	1	07/08/2021 12:53	WG1701393
1,3-Dichlorobenzene	ND		0.333	1	07/08/2021 12:53	WG1701393
1,4-Dichlorobenzene	ND		0.333	1	07/08/2021 12:53	WG1701393
3,3-Dichlorobenzidine	ND		0.333	1	07/08/2021 12:53	WG1701393
2,4-Dinitrotoluene	ND		0.333	1	07/08/2021 12:53	WG1701393
2,6-Dinitrotoluene	ND		0.333	1	07/08/2021 12:53	WG1701393
Fluoranthene	ND		0.0333	1	07/08/2021 12:53	WG1701393
Fluorene	ND		0.0333	1	07/08/2021 12:53	WG1701393
Hexachlorobenzene	ND		0.333	1	07/08/2021 12:53	WG1701393
Hexachloro-1,3-butadiene	ND		0.333	1	07/08/2021 12:53	WG1701393
Hexachlorocyclopentadiene	ND		0.333	1	07/08/2021 12:53	WG1701393
Hexachloroethane	ND		0.333	1	07/08/2021 12:53	WG1701393
Indeno(1,2,3-cd)pyrene	ND		0.0333	1	07/08/2021 12:53	WG1701393
Isophorone	ND		0.333	1	07/08/2021 12:53	WG1701393
1-Methylnaphthalene	ND		0.0333	1	07/08/2021 12:53	WG1701393
2-Methylnaphthalene	ND		0.0333	1	07/08/2021 12:53	WG1701393
Naphthalene	ND		0.0333	1	07/08/2021 12:53	WG1701393
Nitrobenzene	ND		0.333	1	07/08/2021 12:53	WG1701393
n-Nitrosodimethylamine	ND		0.333	1	07/08/2021 12:53	WG1701393
n-Nitrosodiphenylamine	ND		0.333	1	07/08/2021 12:53	WG1701393
n-Nitrosodi-n-propylamine	ND		0.333	1	07/08/2021 12:53	WG1701393
Phenanthrene	ND		0.0333	1	07/08/2021 12:53	WG1701393
Benzylbutyl phthalate	ND		0.333	1	07/08/2021 12:53	WG1701393
Bis(2-ethylhexyl)phthalate	ND		0.333	1	07/08/2021 12:53	WG1701393
Di-n-butyl phthalate	ND		0.333	1	07/08/2021 12:53	WG1701393
Diethyl phthalate	ND		0.333	1	07/08/2021 12:53	WG1701393
Dimethyl phthalate	ND		0.333	1	07/08/2021 12:53	WG1701393
Di-n-octyl phthalate	ND		0.333	1	07/08/2021 12:53	WG1701393
Pyrene	ND		0.0333	1	07/08/2021 12:53	WG1701393
1,2,4-Trichlorobenzene	ND		0.333	1	07/08/2021 12:53	WG1701393
4-Chloro-3-methylphenol	ND		0.333	1	07/08/2021 12:53	WG1701393
2-Chlorophenol	ND		0.333	1	07/08/2021 12:53	WG1701393
2,4-Dichlorophenol	ND		0.333	1	07/08/2021 12:53	WG1701393
2,4-Dimethylphenol	ND		0.333	1	07/08/2021 12:53	WG1701393
4,6-Dinitro-2-methylphenol	ND		0.333	1	07/08/2021 12:53	WG1701393
2,4-Dinitrophenol	ND		0.333	1	07/08/2021 12:53	WG1701393
2-Nitrophenol	ND		0.333	1	07/08/2021 12:53	WG1701393
4-Nitrophenol	ND		0.333	1	07/08/2021 12:53	WG1701393
Pentachlorophenol	ND		0.333	1	07/08/2021 12:53	WG1701393
Phenol	ND		0.333	1	07/08/2021 12:53	WG1701393
2,4,6-Trichlorophenol	ND		0.333	1	07/08/2021 12:53	WG1701393
(S) 2-Fluorophenol	50.8		12.0-120		07/08/2021 12:53	WG1701393
(S) Phenol-d5	47.3		10.0-120		07/08/2021 12:53	WG1701393
(S) Nitrobenzene-d5	46.9		10.0-122		07/08/2021 12:53	WG1701393
(S) 2-Fluorobiphenyl	49.4		15.0-120		07/08/2021 12:53	WG1701393
(S) 2,4,6-Tribromophenol	48.1		10.0-127		07/08/2021 12:53	WG1701393

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

ACCOUNT:

Etech Environmental- Midland, TX

PROJECT:

14026

SDG:

L1373385

DATE/TIME:

08/13/21 09:27

PAGE:

57 of 158

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
(S) p-Terphenyl-d14	44.7		10.0-120		07/08/2021 12:53	WG1701393

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

AUGER HOLE 4 0-6"

Collected date/time: 06/28/21 12:56

SAMPLE RESULTS - 13

L1373385

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	29.4		1	07/08/2021 01:58	WG1700074

Wet Chemistry by Method 3060A/7196A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium, Hexavalent	ND		2.00	1	07/08/2021 20:36	WG1700138

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.66	T8	1	07/07/2021 14:00	WG1700763

Sample Narrative:

L1373385-13 WG1700763: 7.66 at 21.5C

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	19100		10.0	1	07/07/2021 17:59	WG1699990

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.43		2.00	1	07/08/2021 19:00	WG1699990
Barium	97.5		0.500	1	07/08/2021 19:00	WG1699990
Boron	ND		10.0	1	07/08/2021 19:00	WG1699990
Cadmium	ND		0.500	1	07/08/2021 19:00	WG1699990
Copper	6.84		2.00	1	07/08/2021 19:00	WG1699990
Lead	8.07		0.500	1	07/08/2021 19:00	WG1699990
Nickel	8.73		2.00	1	07/08/2021 19:00	WG1699990
Selenium	ND		2.00	1	07/08/2021 19:00	WG1699990
Silver	ND		1.00	1	07/08/2021 19:00	WG1699990
Zinc	31.8		5.00	1	07/08/2021 19:00	WG1699990

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	07/08/2021 14:30	WG1701735
(S) a,a,a-Trifluorotoluene(FID)	105		77.0-120		07/08/2021 14:30	WG1701735

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0505	1.01	07/06/2021 17:49	WG1700625
Acrylonitrile	ND		0.0126	1.01	07/06/2021 17:49	WG1700625
Benzene	ND		0.00101	1.01	07/06/2021 17:49	WG1700625
Bromobenzene	ND		0.0126	1.01	07/06/2021 17:49	WG1700625
Bromodichloromethane	ND		0.00253	1.01	07/06/2021 17:49	WG1700625
Bromoform	ND		0.0253	1.01	07/06/2021 17:49	WG1700625
Bromomethane	ND		0.0126	1.01	07/06/2021 17:49	WG1700625
n-Butylbenzene	ND		0.0126	1.01	07/06/2021 17:49	WG1700625
sec-Butylbenzene	ND		0.0126	1.01	07/06/2021 17:49	WG1700625
tert-Butylbenzene	ND		0.00505	1.01	07/06/2021 17:49	WG1700625

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

AUGER HOLE 4 0-6"

Collected date/time: 06/28/21 12:56

SAMPLE RESULTS - 13

L1373385

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Carbon tetrachloride	ND		0.00505	1.01	07/06/2021 17:49	WG1700625
Chlorobenzene	ND		0.00253	1.01	07/06/2021 17:49	WG1700625
Chlorodibromomethane	ND		0.00253	1.01	07/06/2021 17:49	WG1700625
Chloroethane	ND		0.00505	1.01	07/06/2021 17:49	WG1700625
Chloroform	ND		0.00253	1.01	07/06/2021 17:49	WG1700625
Chloromethane	ND		0.0126	1.01	07/06/2021 17:49	WG1700625
2-Chlorotoluene	ND		0.00253	1.01	07/06/2021 17:49	WG1700625
4-Chlorotoluene	ND		0.00505	1.01	07/06/2021 17:49	WG1700625
1,2-Dibromo-3-Chloropropane	ND		0.0253	1.01	07/06/2021 17:49	WG1700625
1,2-Dibromoethane	ND		0.00253	1.01	07/06/2021 17:49	WG1700625
Dibromomethane	ND		0.00505	1.01	07/06/2021 17:49	WG1700625
1,2-Dichlorobenzene	ND		0.00505	1.01	07/06/2021 17:49	WG1700625
1,3-Dichlorobenzene	ND		0.00505	1.01	07/06/2021 17:49	WG1700625
1,4-Dichlorobenzene	ND		0.00505	1.01	07/06/2021 17:49	WG1700625
Dichlorodifluoromethane	ND		0.00253	1.01	07/06/2021 17:49	WG1700625
1,1-Dichloroethane	ND		0.00253	1.01	07/06/2021 17:49	WG1700625
1,2-Dichloroethane	ND		0.00253	1.01	07/06/2021 17:49	WG1700625
1,1-Dichloroethene	ND		0.00253	1.01	07/06/2021 17:49	WG1700625
cis-1,2-Dichloroethene	ND		0.00253	1.01	07/06/2021 17:49	WG1700625
trans-1,2-Dichloroethene	ND		0.00505	1.01	07/06/2021 17:49	WG1700625
1,2-Dichloropropane	ND		0.00505	1.01	07/06/2021 17:49	WG1700625
1,1-Dichloropropene	ND		0.00253	1.01	07/06/2021 17:49	WG1700625
1,3-Dichloropropane	ND		0.00505	1.01	07/06/2021 17:49	WG1700625
cis-1,3-Dichloropropene	ND		0.00253	1.01	07/06/2021 17:49	WG1700625
trans-1,3-Dichloropropene	ND		0.00505	1.01	07/06/2021 17:49	WG1700625
2,2-Dichloropropane	ND		0.00253	1.01	07/06/2021 17:49	WG1700625
Di-isopropyl ether	ND		0.00101	1.01	07/06/2021 17:49	WG1700625
Ethylbenzene	ND		0.00253	1.01	07/06/2021 17:49	WG1700625
Hexachloro-1,3-butadiene	ND		0.0253	1.01	07/06/2021 17:49	WG1700625
Isopropylbenzene	ND		0.00253	1.01	07/06/2021 17:49	WG1700625
p-Isopropyltoluene	ND		0.00505	1.01	07/06/2021 17:49	WG1700625
2-Butanone (MEK)	ND		0.101	1.01	07/06/2021 17:49	WG1700625
Methylene Chloride	ND		0.0253	1.01	07/06/2021 17:49	WG1700625
4-Methyl-2-pentanone (MIBK)	ND		0.0253	1.01	07/06/2021 17:49	WG1700625
Methyl tert-butyl ether	ND		0.00101	1.01	07/06/2021 17:49	WG1700625
Naphthalene	ND	J4	0.0126	1.01	07/06/2021 17:49	WG1700625
n-Propylbenzene	ND		0.00505	1.01	07/06/2021 17:49	WG1700625
Styrene	ND		0.0126	1.01	07/06/2021 17:49	WG1700625
1,1,1,2-Tetrachloroethane	ND		0.00253	1.01	07/06/2021 17:49	WG1700625
1,1,2,2-Tetrachloroethane	ND		0.00253	1.01	07/06/2021 17:49	WG1700625
1,1,2-Trichlorotrifluoroethane	ND		0.00253	1.01	07/06/2021 17:49	WG1700625
Tetrachloroethene	ND		0.00253	1.01	07/06/2021 17:49	WG1700625
Toluene	ND		0.00505	1.01	07/06/2021 17:49	WG1700625
1,2,3-Trichlorobenzene	ND		0.0126	1.01	07/06/2021 17:49	WG1700625
1,2,4-Trichlorobenzene	ND		0.0126	1.01	07/06/2021 17:49	WG1700625
1,1,1-Trichloroethane	ND		0.00253	1.01	07/06/2021 17:49	WG1700625
1,1,2-Trichloroethane	ND		0.00253	1.01	07/06/2021 17:49	WG1700625
Trichloroethene	ND		0.00101	1.01	07/06/2021 17:49	WG1700625
Trichlorofluoromethane	ND		0.00253	1.01	07/06/2021 17:49	WG1700625
1,2,3-Trichloropropane	ND		0.0126	1.01	07/06/2021 17:49	WG1700625
1,2,4-Trimethylbenzene	ND		0.00505	1.01	07/06/2021 17:49	WG1700625
1,2,3-Trimethylbenzene	ND		0.00505	1.01	07/06/2021 17:49	WG1700625
Vinyl chloride	ND		0.00253	1.01	07/06/2021 17:49	WG1700625
1,3,5-Trimethylbenzene	ND		0.00505	1.01	07/06/2021 17:49	WG1700625
Xylenes, Total	ND		0.00656	1.01	07/06/2021 17:49	WG1700625
(S) Toluene-d8	97.6		75.0-131		07/06/2021 17:49	WG1700625

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

AUGER HOLE 4 0-6"

Collected date/time: 06/28/21 12:56

SAMPLE RESULTS - 13

L1373385

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	99.9		67.0-138		07/06/2021 17:49	WG1700625
(S) 1,2-Dichloroethane-d4	100		70.0-130		07/06/2021 17:49	WG1700625

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	ND		4.00	1	07/08/2021 16:10	WG1701405
(S) o-Terphenyl	66.0		18.0-148		07/08/2021 16:10	WG1701405

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0333	1	07/08/2021 18:24	WG1701393
Acenaphthylene	ND		0.0333	1	07/08/2021 18:24	WG1701393
Anthracene	ND		0.0333	1	07/08/2021 18:24	WG1701393
Benzidine	ND		1.67	1	07/08/2021 18:24	WG1701393
Benzo(a)anthracene	ND		0.0333	1	07/08/2021 18:24	WG1701393
Benzo(b)fluoranthene	ND		0.0333	1	07/08/2021 18:24	WG1701393
Benzo(k)fluoranthene	ND		0.0333	1	07/08/2021 18:24	WG1701393
Benzo(g,h,i)perylene	ND		0.0333	1	07/08/2021 18:24	WG1701393
Benzo(a)pyrene	ND		0.0333	1	07/08/2021 18:24	WG1701393
Bis(2-chlorethoxy)methane	ND		0.333	1	07/08/2021 18:24	WG1701393
Bis(2-chloroethyl)ether	ND		0.333	1	07/08/2021 18:24	WG1701393
2,2-Oxybis(1-Chloropropane)	ND		0.333	1	07/08/2021 18:24	WG1701393
4-Bromophenyl-phenylether	ND		0.333	1	07/08/2021 18:24	WG1701393
2-Chloronaphthalene	ND		0.0333	1	07/08/2021 18:24	WG1701393
4-Chlorophenyl-phenylether	ND		0.333	1	07/08/2021 18:24	WG1701393
Chrysene	ND		0.0333	1	07/08/2021 18:24	WG1701393
Dibenz(a,h)anthracene	ND		0.0333	1	07/08/2021 18:24	WG1701393
1,2-Dichlorobenzene	ND		0.333	1	07/08/2021 18:24	WG1701393
1,3-Dichlorobenzene	ND		0.333	1	07/08/2021 18:24	WG1701393
1,4-Dichlorobenzene	ND		0.333	1	07/08/2021 18:24	WG1701393
3,3-Dichlorobenzidine	ND		0.333	1	07/08/2021 18:24	WG1701393
2,4-Dinitrotoluene	ND		0.333	1	07/08/2021 18:24	WG1701393
2,6-Dinitrotoluene	ND		0.333	1	07/08/2021 18:24	WG1701393
Fluoranthene	ND		0.0333	1	07/08/2021 18:24	WG1701393
Fluorene	ND		0.0333	1	07/08/2021 18:24	WG1701393
Hexachlorobenzene	ND		0.333	1	07/08/2021 18:24	WG1701393
Hexachloro-1,3-butadiene	ND		0.333	1	07/08/2021 18:24	WG1701393
Hexachlorocyclopentadiene	ND		0.333	1	07/08/2021 18:24	WG1701393
Hexachloroethane	ND		0.333	1	07/08/2021 18:24	WG1701393
Indeno(1,2,3-cd)pyrene	ND		0.0333	1	07/08/2021 18:24	WG1701393
Isophorone	ND		0.333	1	07/08/2021 18:24	WG1701393
1-Methylnaphthalene	ND		0.0333	1	07/08/2021 18:24	WG1701393
2-Methylnaphthalene	ND		0.0333	1	07/08/2021 18:24	WG1701393
Naphthalene	ND		0.0333	1	07/08/2021 18:24	WG1701393
Nitrobenzene	ND		0.333	1	07/08/2021 18:24	WG1701393
n-Nitrosodimethylamine	ND		0.333	1	07/08/2021 18:24	WG1701393
n-Nitrosodiphenylamine	ND		0.333	1	07/08/2021 18:24	WG1701393
n-Nitrosodi-n-propylamine	ND		0.333	1	07/08/2021 18:24	WG1701393
Phenanthrene	ND		0.0333	1	07/08/2021 18:24	WG1701393
Benzylbutyl phthalate	ND		0.333	1	07/08/2021 18:24	WG1701393
Bis(2-ethylhexyl)phthalate	ND		0.333	1	07/08/2021 18:24	WG1701393
Di-n-butyl phthalate	ND		0.333	1	07/08/2021 18:24	WG1701393
Diethyl phthalate	ND		0.333	1	07/08/2021 18:24	WG1701393

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

AUGER HOLE 4 0-6"

Collected date/time: 06/28/21 12:56

SAMPLE RESULTS - 13

L1373385

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Dimethyl phthalate	ND		0.333	1	07/08/2021 18:24	WG1701393
Di-n-octyl phthalate	ND		0.333	1	07/08/2021 18:24	WG1701393
Pyrene	ND		0.0333	1	07/08/2021 18:24	WG1701393
1,2,4-Trichlorobenzene	ND		0.333	1	07/08/2021 18:24	WG1701393
4-Chloro-3-methylphenol	ND		0.333	1	07/08/2021 18:24	WG1701393
2-Chlorophenol	ND		0.333	1	07/08/2021 18:24	WG1701393
2,4-Dichlorophenol	ND		0.333	1	07/08/2021 18:24	WG1701393
2,4-Dimethylphenol	ND		0.333	1	07/08/2021 18:24	WG1701393
4,6-Dinitro-2-methylphenol	ND		0.333	1	07/08/2021 18:24	WG1701393
2,4-Dinitrophenol	ND		0.333	1	07/08/2021 18:24	WG1701393
2-Nitrophenol	ND		0.333	1	07/08/2021 18:24	WG1701393
4-Nitrophenol	ND		0.333	1	07/08/2021 18:24	WG1701393
Pentachlorophenol	ND		0.333	1	07/08/2021 18:24	WG1701393
Phenol	ND		0.333	1	07/08/2021 18:24	WG1701393
2,4,6-Trichlorophenol	ND		0.333	1	07/08/2021 18:24	WG1701393
(S) 2-Fluorophenol	57.5		12.0-120		07/08/2021 18:24	WG1701393
(S) Phenol-d5	56.7		10.0-120		07/08/2021 18:24	WG1701393
(S) Nitrobenzene-d5	58.7		10.0-122		07/08/2021 18:24	WG1701393
(S) 2-Fluorobiphenyl	56.2		15.0-120		07/08/2021 18:24	WG1701393
(S) 2,4,6-Tribromophenol	61.3		10.0-127		07/08/2021 18:24	WG1701393
(S) p-Terphenyl-d14	54.3		10.0-120		07/08/2021 18:24	WG1701393

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

AUGER HOLE 4 6"-12"

Collected date/time: 06/28/21 12:58

SAMPLE RESULTS - 14

L1373385

Wet Chemistry by Method 3060A/7196A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium,Hexavalent	ND		2.00	1	07/08/2021 20:36	WG1700138

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.14		2.00	1	07/08/2021 23:15	WG1699573
Barium	59.0		0.500	1	07/08/2021 23:15	WG1699573
Cadmium	ND		0.500	1	07/08/2021 23:15	WG1699573
Copper	9.87		2.00	1	07/08/2021 23:15	WG1699573
Lead	7.99		0.500	1	07/08/2021 23:15	WG1699573
Nickel	10.3		2.00	1	07/08/2021 23:15	WG1699573
Selenium	ND		2.00	1	07/08/2021 23:15	WG1699573
Silver	ND		1.00	1	07/08/2021 23:15	WG1699573
Zinc	28.8		5.00	1	07/08/2021 23:15	WG1699573

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	07/08/2021 14:54	WG1701735
(S) a,a,a-Trifluorotoluene(FID)	105		77.0-120		07/08/2021 14:54	WG1701735

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	07/06/2021 18:08	WG1700625
Acrylonitrile	ND		0.0125	1	07/06/2021 18:08	WG1700625
Benzene	ND		0.00100	1	07/06/2021 18:08	WG1700625
Bromobenzene	ND		0.0125	1	07/06/2021 18:08	WG1700625
Bromodichloromethane	ND		0.00250	1	07/06/2021 18:08	WG1700625
Bromoform	ND		0.0250	1	07/06/2021 18:08	WG1700625
Bromomethane	ND		0.0125	1	07/06/2021 18:08	WG1700625
n-Butylbenzene	ND		0.0125	1	07/06/2021 18:08	WG1700625
sec-Butylbenzene	ND		0.0125	1	07/06/2021 18:08	WG1700625
tert-Butylbenzene	ND		0.00500	1	07/06/2021 18:08	WG1700625
Carbon tetrachloride	ND		0.00500	1	07/06/2021 18:08	WG1700625
Chlorobenzene	ND		0.00250	1	07/06/2021 18:08	WG1700625
Chlorodibromomethane	ND		0.00250	1	07/06/2021 18:08	WG1700625
Chloroethane	ND		0.00500	1	07/06/2021 18:08	WG1700625
Chloroform	ND		0.00250	1	07/06/2021 18:08	WG1700625
Chloromethane	ND		0.0125	1	07/06/2021 18:08	WG1700625
2-Chlorotoluene	ND		0.00250	1	07/06/2021 18:08	WG1700625
4-Chlorotoluene	ND		0.00500	1	07/06/2021 18:08	WG1700625
1,2-Dibromo-3-Chloropropane	ND		0.0250	1	07/06/2021 18:08	WG1700625
1,2-Dibromoethane	ND		0.00250	1	07/06/2021 18:08	WG1700625
Dibromomethane	ND		0.00500	1	07/06/2021 18:08	WG1700625
1,2-Dichlorobenzene	ND		0.00500	1	07/06/2021 18:08	WG1700625
1,3-Dichlorobenzene	ND		0.00500	1	07/06/2021 18:08	WG1700625
1,4-Dichlorobenzene	ND		0.00500	1	07/06/2021 18:08	WG1700625
Dichlorodifluoromethane	ND		0.00250	1	07/06/2021 18:08	WG1700625
1,1-Dichloroethane	ND		0.00250	1	07/06/2021 18:08	WG1700625
1,2-Dichloroethane	ND		0.00250	1	07/06/2021 18:08	WG1700625
1,1-Dichloroethene	ND		0.00250	1	07/06/2021 18:08	WG1700625
cis-1,2-Dichloroethene	ND		0.00250	1	07/06/2021 18:08	WG1700625
trans-1,2-Dichloroethene	ND		0.00500	1	07/06/2021 18:08	WG1700625

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

AUGER HOLE 4 6"-12"

Collected date/time: 06/28/21 12:58

SAMPLE RESULTS - 14

L1373385

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	ND		0.00500	1	07/06/2021 18:08	WG1700625
1,1-Dichloropropene	ND		0.00250	1	07/06/2021 18:08	WG1700625
1,3-Dichloropropane	ND		0.00500	1	07/06/2021 18:08	WG1700625
cis-1,3-Dichloropropene	ND		0.00250	1	07/06/2021 18:08	WG1700625
trans-1,3-Dichloropropene	ND		0.00500	1	07/06/2021 18:08	WG1700625
2,2-Dichloropropane	ND		0.00250	1	07/06/2021 18:08	WG1700625
Di-isopropyl ether	ND		0.00100	1	07/06/2021 18:08	WG1700625
Ethylbenzene	ND		0.00250	1	07/06/2021 18:08	WG1700625
Hexachloro-1,3-butadiene	ND		0.0250	1	07/06/2021 18:08	WG1700625
Isopropylbenzene	ND		0.00250	1	07/06/2021 18:08	WG1700625
p-Isopropyltoluene	ND		0.00500	1	07/06/2021 18:08	WG1700625
2-Butanone (MEK)	ND		0.100	1	07/06/2021 18:08	WG1700625
Methylene Chloride	ND		0.0250	1	07/06/2021 18:08	WG1700625
4-Methyl-2-pentanone (MIBK)	ND		0.0250	1	07/06/2021 18:08	WG1700625
Methyl tert-butyl ether	ND		0.00100	1	07/06/2021 18:08	WG1700625
Naphthalene	ND	J4	0.0125	1	07/06/2021 18:08	WG1700625
n-Propylbenzene	ND		0.00500	1	07/06/2021 18:08	WG1700625
Styrene	ND		0.0125	1	07/06/2021 18:08	WG1700625
1,1,1,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 18:08	WG1700625
1,1,2,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 18:08	WG1700625
1,1,2-Trichlorotrifluoroethane	ND		0.00250	1	07/06/2021 18:08	WG1700625
Tetrachloroethene	ND		0.00250	1	07/06/2021 18:08	WG1700625
Toluene	ND		0.00500	1	07/06/2021 18:08	WG1700625
1,2,3-Trichlorobenzene	ND		0.0125	1	07/06/2021 18:08	WG1700625
1,2,4-Trichlorobenzene	ND		0.0125	1	07/06/2021 18:08	WG1700625
1,1,1-Trichloroethane	ND		0.00250	1	07/06/2021 18:08	WG1700625
1,1,2-Trichloroethane	ND		0.00250	1	07/06/2021 18:08	WG1700625
Trichloroethene	ND		0.00100	1	07/06/2021 18:08	WG1700625
Trichlorofluoromethane	ND		0.00250	1	07/06/2021 18:08	WG1700625
1,2,3-Trichloropropane	ND		0.0125	1	07/06/2021 18:08	WG1700625
1,2,4-Trimethylbenzene	ND		0.00500	1	07/06/2021 18:08	WG1700625
1,2,3-Trimethylbenzene	ND		0.00500	1	07/06/2021 18:08	WG1700625
Vinyl chloride	ND		0.00250	1	07/06/2021 18:08	WG1700625
1,3,5-Trimethylbenzene	ND		0.00500	1	07/06/2021 18:08	WG1700625
Xylenes, Total	ND		0.00650	1	07/06/2021 18:08	WG1700625
(S) Toluene-d8	97.8		75.0-131		07/06/2021 18:08	WG1700625
(S) 4-Bromofluorobenzene	97.5		67.0-138		07/06/2021 18:08	WG1700625
(S) 1,2-Dichloroethane-d4	99.9		70.0-130		07/06/2021 18:08	WG1700625

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	ND		4.00	1	07/08/2021 14:07	WG1701405
(S) o-Terphenyl	51.9		18.0-148		07/08/2021 14:07	WG1701405

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0333	1	07/08/2021 12:33	WG1701393
Acenaphthylene	ND		0.0333	1	07/08/2021 12:33	WG1701393
Anthracene	ND		0.0333	1	07/08/2021 12:33	WG1701393
Benzidine	ND		1.67	1	07/08/2021 12:33	WG1701393
Benzo(a)anthracene	ND		0.0333	1	07/08/2021 12:33	WG1701393
Benzo(b)fluoranthene	ND		0.0333	1	07/08/2021 12:33	WG1701393
Benzo(k)fluoranthene	ND		0.0333	1	07/08/2021 12:33	WG1701393

AUGER HOLE 4 6"-12"

Collected date/time: 06/28/21 12:58

SAMPLE RESULTS - 14

L1373385

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzo(g,h,i)perylene	ND		0.0333	1	07/08/2021 12:33	WG1701393
Benzo(a)pyrene	ND		0.0333	1	07/08/2021 12:33	WG1701393
Bis(2-chloroethoxy)methane	ND		0.333	1	07/08/2021 12:33	WG1701393
Bis(2-chloroethyl)ether	ND		0.333	1	07/08/2021 12:33	WG1701393
2,2-Oxybis(1-Chloropropane)	ND		0.333	1	07/08/2021 12:33	WG1701393
4-Bromophenyl-phenylether	ND		0.333	1	07/08/2021 12:33	WG1701393
2-Chloronaphthalene	ND		0.0333	1	07/08/2021 12:33	WG1701393
4-Chlorophenyl-phenylether	ND		0.333	1	07/08/2021 12:33	WG1701393
Chrysene	ND		0.0333	1	07/08/2021 12:33	WG1701393
Dibenz(a,h)anthracene	ND		0.0333	1	07/08/2021 12:33	WG1701393
1,2-Dichlorobenzene	ND		0.333	1	07/08/2021 12:33	WG1701393
1,3-Dichlorobenzene	ND		0.333	1	07/08/2021 12:33	WG1701393
1,4-Dichlorobenzene	ND		0.333	1	07/08/2021 12:33	WG1701393
3,3-Dichlorobenzidine	ND		0.333	1	07/08/2021 12:33	WG1701393
2,4-Dinitrotoluene	ND		0.333	1	07/08/2021 12:33	WG1701393
2,6-Dinitrotoluene	ND		0.333	1	07/08/2021 12:33	WG1701393
Fluoranthene	ND		0.0333	1	07/08/2021 12:33	WG1701393
Fluorene	ND		0.0333	1	07/08/2021 12:33	WG1701393
Hexachlorobenzene	ND		0.333	1	07/08/2021 12:33	WG1701393
Hexachloro-1,3-butadiene	ND		0.333	1	07/08/2021 12:33	WG1701393
Hexachlorocyclopentadiene	ND		0.333	1	07/08/2021 12:33	WG1701393
Hexachloroethane	ND		0.333	1	07/08/2021 12:33	WG1701393
Indeno(1,2,3-cd)pyrene	ND		0.0333	1	07/08/2021 12:33	WG1701393
Isophorone	ND		0.333	1	07/08/2021 12:33	WG1701393
1-Methylnaphthalene	ND		0.0333	1	07/08/2021 12:33	WG1701393
2-Methylnaphthalene	ND		0.0333	1	07/08/2021 12:33	WG1701393
Naphthalene	ND		0.0333	1	07/08/2021 12:33	WG1701393
Nitrobenzene	ND		0.333	1	07/08/2021 12:33	WG1701393
n-Nitrosodimethylamine	ND		0.333	1	07/08/2021 12:33	WG1701393
n-Nitrosodiphenylamine	ND		0.333	1	07/08/2021 12:33	WG1701393
n-Nitrosodi-n-propylamine	ND		0.333	1	07/08/2021 12:33	WG1701393
Phenanthrene	ND		0.0333	1	07/08/2021 12:33	WG1701393
Benzylbutyl phthalate	ND		0.333	1	07/08/2021 12:33	WG1701393
Bis(2-ethylhexyl)phthalate	ND		0.333	1	07/08/2021 12:33	WG1701393
Di-n-butyl phthalate	ND		0.333	1	07/08/2021 12:33	WG1701393
Diethyl phthalate	ND		0.333	1	07/08/2021 12:33	WG1701393
Dimethyl phthalate	ND		0.333	1	07/08/2021 12:33	WG1701393
Di-n-octyl phthalate	ND		0.333	1	07/08/2021 12:33	WG1701393
Pyrene	ND		0.0333	1	07/08/2021 12:33	WG1701393
1,2,4-Trichlorobenzene	ND		0.333	1	07/08/2021 12:33	WG1701393
4-Chloro-3-methylphenol	ND		0.333	1	07/08/2021 12:33	WG1701393
2-Chlorophenol	ND		0.333	1	07/08/2021 12:33	WG1701393
2,4-Dichlorophenol	ND		0.333	1	07/08/2021 12:33	WG1701393
2,4-Dimethylphenol	ND		0.333	1	07/08/2021 12:33	WG1701393
4,6-Dinitro-2-methylphenol	ND		0.333	1	07/08/2021 12:33	WG1701393
2,4-Dinitrophenol	ND		0.333	1	07/08/2021 12:33	WG1701393
2-Nitrophenol	ND		0.333	1	07/08/2021 12:33	WG1701393
4-Nitrophenol	ND		0.333	1	07/08/2021 12:33	WG1701393
Pentachlorophenol	ND		0.333	1	07/08/2021 12:33	WG1701393
Phenol	ND		0.333	1	07/08/2021 12:33	WG1701393
2,4,6-Trichlorophenol	ND		0.333	1	07/08/2021 12:33	WG1701393
(S) 2-Fluorophenol	56.3		12.0-120		07/08/2021 12:33	WG1701393
(S) Phenol-d5	53.1		10.0-120		07/08/2021 12:33	WG1701393
(S) Nitrobenzene-d5	56.0		10.0-122		07/08/2021 12:33	WG1701393
(S) 2-Fluorobiphenyl	55.7		15.0-120		07/08/2021 12:33	WG1701393
(S) 2,4,6-Tribromophenol	60.6		10.0-127		07/08/2021 12:33	WG1701393

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

ACCOUNT:

Etech Environmental- Midland, TX

PROJECT:

14026

SDG:

L1373385

DATE/TIME:

08/13/21 09:27

PAGE:

65 of 158

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
(S) p-Terphenyl-d14	52.3		10.0-120		07/08/2021 12:33	WG1701393

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

AUGER HOLE 4 12"-18"

Collected date/time: 06/28/21 13:00

SAMPLE RESULTS - 15

L1373385

Wet Chemistry by Method 3060A/7196A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium,Hexavalent	ND		2.00	1	07/08/2021 20:36	WG1700138

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.08		2.00	1	07/08/2021 23:18	WG1699573
Barium	146		0.500	1	07/08/2021 23:18	WG1699573
Cadmium	ND		0.500	1	07/08/2021 23:18	WG1699573
Copper	9.54		2.00	1	07/08/2021 23:18	WG1699573
Lead	7.45		0.500	1	07/08/2021 23:18	WG1699573
Nickel	10.4		2.00	1	07/08/2021 23:18	WG1699573
Selenium	ND		2.00	1	07/08/2021 23:18	WG1699573
Silver	ND		1.00	1	07/08/2021 23:18	WG1699573
Zinc	29.7		5.00	1	07/08/2021 23:18	WG1699573

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.101	1.01	07/08/2021 16:59	WG1701777
(S) a,a,a-Trifluorotoluene(FID)	102		77.0-120		07/08/2021 16:59	WG1701777

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	07/06/2021 18:27	WG1700625
Acrylonitrile	ND		0.0125	1	07/06/2021 18:27	WG1700625
Benzene	ND		0.00100	1	07/06/2021 18:27	WG1700625
Bromobenzene	ND		0.0125	1	07/06/2021 18:27	WG1700625
Bromodichloromethane	ND		0.00250	1	07/06/2021 18:27	WG1700625
Bromoform	ND		0.0250	1	07/06/2021 18:27	WG1700625
Bromomethane	ND		0.0125	1	07/06/2021 18:27	WG1700625
n-Butylbenzene	ND		0.0125	1	07/06/2021 18:27	WG1700625
sec-Butylbenzene	ND		0.0125	1	07/06/2021 18:27	WG1700625
tert-Butylbenzene	ND		0.00500	1	07/06/2021 18:27	WG1700625
Carbon tetrachloride	ND		0.00500	1	07/06/2021 18:27	WG1700625
Chlorobenzene	ND		0.00250	1	07/06/2021 18:27	WG1700625
Chlorodibromomethane	ND		0.00250	1	07/06/2021 18:27	WG1700625
Chloroethane	ND		0.00500	1	07/06/2021 18:27	WG1700625
Chloroform	ND		0.00250	1	07/06/2021 18:27	WG1700625
Chloromethane	ND		0.0125	1	07/06/2021 18:27	WG1700625
2-Chlorotoluene	ND		0.00250	1	07/06/2021 18:27	WG1700625
4-Chlorotoluene	ND		0.00500	1	07/06/2021 18:27	WG1700625
1,2-Dibromo-3-Chloropropane	ND		0.0250	1	07/06/2021 18:27	WG1700625
1,2-Dibromoethane	ND		0.00250	1	07/06/2021 18:27	WG1700625
Dibromomethane	ND		0.00500	1	07/06/2021 18:27	WG1700625
1,2-Dichlorobenzene	ND		0.00500	1	07/06/2021 18:27	WG1700625
1,3-Dichlorobenzene	ND		0.00500	1	07/06/2021 18:27	WG1700625
1,4-Dichlorobenzene	ND		0.00500	1	07/06/2021 18:27	WG1700625
Dichlorodifluoromethane	ND		0.00250	1	07/06/2021 18:27	WG1700625
1,1-Dichloroethane	ND		0.00250	1	07/06/2021 18:27	WG1700625
1,2-Dichloroethane	ND		0.00250	1	07/06/2021 18:27	WG1700625
1,1-Dichloroethene	ND		0.00250	1	07/06/2021 18:27	WG1700625
cis-1,2-Dichloroethene	ND		0.00250	1	07/06/2021 18:27	WG1700625
trans-1,2-Dichloroethene	ND		0.00500	1	07/06/2021 18:27	WG1700625

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

AUGER HOLE 4 12"-18"

Collected date/time: 06/28/21 13:00

SAMPLE RESULTS - 15

L1373385

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	ND		0.00500	1	07/06/2021 18:27	WG1700625
1,1-Dichloropropene	ND		0.00250	1	07/06/2021 18:27	WG1700625
1,3-Dichloropropane	ND		0.00500	1	07/06/2021 18:27	WG1700625
cis-1,3-Dichloropropene	ND		0.00250	1	07/06/2021 18:27	WG1700625
trans-1,3-Dichloropropene	ND		0.00500	1	07/06/2021 18:27	WG1700625
2,2-Dichloropropane	ND		0.00250	1	07/06/2021 18:27	WG1700625
Di-isopropyl ether	ND		0.00100	1	07/06/2021 18:27	WG1700625
Ethylbenzene	ND		0.00250	1	07/06/2021 18:27	WG1700625
Hexachloro-1,3-butadiene	ND		0.0250	1	07/06/2021 18:27	WG1700625
Isopropylbenzene	ND		0.00250	1	07/06/2021 18:27	WG1700625
p-Isopropyltoluene	ND		0.00500	1	07/06/2021 18:27	WG1700625
2-Butanone (MEK)	ND		0.100	1	07/06/2021 18:27	WG1700625
Methylene Chloride	ND		0.0250	1	07/06/2021 18:27	WG1700625
4-Methyl-2-pentanone (MIBK)	ND		0.0250	1	07/06/2021 18:27	WG1700625
Methyl tert-butyl ether	ND		0.00100	1	07/06/2021 18:27	WG1700625
Naphthalene	ND	J4	0.0125	1	07/06/2021 18:27	WG1700625
n-Propylbenzene	ND		0.00500	1	07/06/2021 18:27	WG1700625
Styrene	ND		0.0125	1	07/06/2021 18:27	WG1700625
1,1,1,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 18:27	WG1700625
1,1,2,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 18:27	WG1700625
1,1,2-Trichlorotrifluoroethane	ND		0.00250	1	07/06/2021 18:27	WG1700625
Tetrachloroethene	ND		0.00250	1	07/06/2021 18:27	WG1700625
Toluene	ND		0.00500	1	07/06/2021 18:27	WG1700625
1,2,3-Trichlorobenzene	ND		0.0125	1	07/06/2021 18:27	WG1700625
1,2,4-Trichlorobenzene	ND		0.0125	1	07/06/2021 18:27	WG1700625
1,1,1-Trichloroethane	ND		0.00250	1	07/06/2021 18:27	WG1700625
1,1,2-Trichloroethane	ND		0.00250	1	07/06/2021 18:27	WG1700625
Trichloroethene	ND		0.00100	1	07/06/2021 18:27	WG1700625
Trichlorofluoromethane	ND		0.00250	1	07/06/2021 18:27	WG1700625
1,2,3-Trichloropropane	ND		0.0125	1	07/06/2021 18:27	WG1700625
1,2,4-Trimethylbenzene	ND		0.00500	1	07/06/2021 18:27	WG1700625
1,2,3-Trimethylbenzene	ND		0.00500	1	07/06/2021 18:27	WG1700625
Vinyl chloride	ND		0.00250	1	07/06/2021 18:27	WG1700625
1,3,5-Trimethylbenzene	ND		0.00500	1	07/06/2021 18:27	WG1700625
Xylenes, Total	ND		0.00650	1	07/06/2021 18:27	WG1700625
(S) Toluene-d8	96.8		75.0-131		07/06/2021 18:27	WG1700625
(S) 4-Bromofluorobenzene	100		67.0-138		07/06/2021 18:27	WG1700625
(S) 1,2-Dichloroethane-d4	100		70.0-130		07/06/2021 18:27	WG1700625

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	ND		4.00	1	07/08/2021 16:37	WG1701405
(S) o-Terphenyl	62.4		18.0-148		07/08/2021 16:37	WG1701405

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0333	1	07/08/2021 11:31	WG1701393
Acenaphthylene	ND		0.0333	1	07/08/2021 11:31	WG1701393
Anthracene	ND		0.0333	1	07/08/2021 11:31	WG1701393
Benzidine	ND		1.67	1	07/08/2021 11:31	WG1701393
Benzo(a)anthracene	ND		0.0333	1	07/08/2021 11:31	WG1701393
Benzo(b)fluoranthene	ND		0.0333	1	07/08/2021 11:31	WG1701393
Benzo(k)fluoranthene	ND		0.0333	1	07/08/2021 11:31	WG1701393

AUGER HOLE 4 12"-18"

Collected date/time: 06/28/21 13:00

SAMPLE RESULTS - 15

L1373385

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzo(g,h,i)perylene	ND		0.0333	1	07/08/2021 11:31	WG1701393
Benzo(a)pyrene	ND		0.0333	1	07/08/2021 11:31	WG1701393
Bis(2-chloroethoxy)methane	ND		0.333	1	07/08/2021 11:31	WG1701393
Bis(2-chloroethyl)ether	ND		0.333	1	07/08/2021 11:31	WG1701393
2,2-Oxybis(1-Chloropropane)	ND		0.333	1	07/08/2021 11:31	WG1701393
4-Bromophenyl-phenylether	ND		0.333	1	07/08/2021 11:31	WG1701393
2-Chloronaphthalene	ND		0.0333	1	07/08/2021 11:31	WG1701393
4-Chlorophenyl-phenylether	ND		0.333	1	07/08/2021 11:31	WG1701393
Chrysene	ND		0.0333	1	07/08/2021 11:31	WG1701393
Dibenz(a,h)anthracene	ND		0.0333	1	07/08/2021 11:31	WG1701393
1,2-Dichlorobenzene	ND		0.333	1	07/08/2021 11:31	WG1701393
1,3-Dichlorobenzene	ND		0.333	1	07/08/2021 11:31	WG1701393
1,4-Dichlorobenzene	ND		0.333	1	07/08/2021 11:31	WG1701393
3,3-Dichlorobenzidine	ND		0.333	1	07/08/2021 11:31	WG1701393
2,4-Dinitrotoluene	ND		0.333	1	07/08/2021 11:31	WG1701393
2,6-Dinitrotoluene	ND		0.333	1	07/08/2021 11:31	WG1701393
Fluoranthene	ND		0.0333	1	07/08/2021 11:31	WG1701393
Fluorene	ND		0.0333	1	07/08/2021 11:31	WG1701393
Hexachlorobenzene	ND		0.333	1	07/08/2021 11:31	WG1701393
Hexachloro-1,3-butadiene	ND		0.333	1	07/08/2021 11:31	WG1701393
Hexachlorocyclopentadiene	ND		0.333	1	07/08/2021 11:31	WG1701393
Hexachloroethane	ND		0.333	1	07/08/2021 11:31	WG1701393
Indeno(1,2,3-cd)pyrene	ND		0.0333	1	07/08/2021 11:31	WG1701393
Isophorone	ND		0.333	1	07/08/2021 11:31	WG1701393
1-Methylnaphthalene	ND		0.0333	1	07/08/2021 11:31	WG1701393
2-Methylnaphthalene	ND		0.0333	1	07/08/2021 11:31	WG1701393
Naphthalene	ND		0.0333	1	07/08/2021 11:31	WG1701393
Nitrobenzene	ND		0.333	1	07/08/2021 11:31	WG1701393
n-Nitrosodimethylamine	ND		0.333	1	07/08/2021 11:31	WG1701393
n-Nitrosodiphenylamine	ND		0.333	1	07/08/2021 11:31	WG1701393
n-Nitrosodi-n-propylamine	ND		0.333	1	07/08/2021 11:31	WG1701393
Phenanthrene	ND		0.0333	1	07/08/2021 11:31	WG1701393
Benzylbutyl phthalate	ND		0.333	1	07/08/2021 11:31	WG1701393
Bis(2-ethylhexyl)phthalate	ND		0.333	1	07/08/2021 11:31	WG1701393
Di-n-butyl phthalate	ND		0.333	1	07/08/2021 11:31	WG1701393
Diethyl phthalate	ND		0.333	1	07/08/2021 11:31	WG1701393
Dimethyl phthalate	ND		0.333	1	07/08/2021 11:31	WG1701393
Di-n-octyl phthalate	ND		0.333	1	07/08/2021 11:31	WG1701393
Pyrene	ND		0.0333	1	07/08/2021 11:31	WG1701393
1,2,4-Trichlorobenzene	ND		0.333	1	07/08/2021 11:31	WG1701393
4-Chloro-3-methylphenol	ND		0.333	1	07/08/2021 11:31	WG1701393
2-Chlorophenol	ND		0.333	1	07/08/2021 11:31	WG1701393
2,4-Dichlorophenol	ND		0.333	1	07/08/2021 11:31	WG1701393
2,4-Dimethylphenol	ND		0.333	1	07/08/2021 11:31	WG1701393
4,6-Dinitro-2-methylphenol	ND		0.333	1	07/08/2021 11:31	WG1701393
2,4-Dinitrophenol	ND		0.333	1	07/08/2021 11:31	WG1701393
2-Nitrophenol	ND		0.333	1	07/08/2021 11:31	WG1701393
4-Nitrophenol	ND		0.333	1	07/08/2021 11:31	WG1701393
Pentachlorophenol	ND		0.333	1	07/08/2021 11:31	WG1701393
Phenol	ND		0.333	1	07/08/2021 11:31	WG1701393
2,4,6-Trichlorophenol	ND		0.333	1	07/08/2021 11:31	WG1701393
(S) 2-Fluorophenol	48.6		12.0-120		07/08/2021 11:31	WG1701393
(S) Phenol-d5	46.9		10.0-120		07/08/2021 11:31	WG1701393
(S) Nitrobenzene-d5	51.1		10.0-122		07/08/2021 11:31	WG1701393
(S) 2-Fluorobiphenyl	49.8		15.0-120		07/08/2021 11:31	WG1701393
(S) 2,4,6-Tribromophenol	50.0		10.0-127		07/08/2021 11:31	WG1701393

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

ACCOUNT:

Etech Environmental- Midland, TX

PROJECT:

14026

SDG:

L1373385

DATE/TIME:

08/13/21 09:27

PAGE:

69 of 158

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
(S) p-Terphenyl-d14	45.2		10.0-120		07/08/2021 11:31	WG1701393

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

AUGER HOLE 4 18"-24"

Collected date/time: 06/28/21 13:02

SAMPLE RESULTS - 16

L1373385

Wet Chemistry by Method 3060A/7196A

Analyte	Result mg/kg	Qualifier	RD mg/kg	Dilution	Analysis date / time	Batch
Chromium,Hexavalent	ND		2.00	1	07/08/2021 20:36	WG1700138

Metals (ICP) by Method 6010B

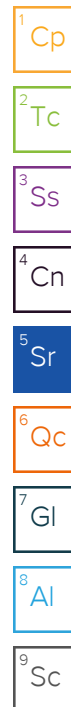
Analyte	Result mg/kg	Qualifier	RD mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.02		2.00	1	07/08/2021 23:21	WG1699573
Barium	203		0.500	1	07/08/2021 23:21	WG1699573
Cadmium	ND		0.500	1	07/08/2021 23:21	WG1699573
Copper	10.6		2.00	1	07/08/2021 23:21	WG1699573
Lead	8.32		0.500	1	07/08/2021 23:21	WG1699573
Nickel	11.4		2.00	1	07/08/2021 23:21	WG1699573
Selenium	ND		2.00	1	07/08/2021 23:21	WG1699573
Silver	ND		1.00	1	07/08/2021 23:21	WG1699573
Zinc	32.5		5.00	1	07/08/2021 23:21	WG1699573

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RD mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.101	1.01	07/08/2021 17:20	WG1701777
(S) a,a,a-Trifluorotoluene(FID)	101		77.0-120		07/08/2021 17:20	WG1701777

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RD mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	07/06/2021 18:46	WG1700625
Acrylonitrile	ND		0.0125	1	07/06/2021 18:46	WG1700625
Benzene	ND		0.00100	1	07/06/2021 18:46	WG1700625
Bromobenzene	ND		0.0125	1	07/06/2021 18:46	WG1700625
Bromodichloromethane	ND		0.00250	1	07/06/2021 18:46	WG1700625
Bromoform	ND		0.0250	1	07/06/2021 18:46	WG1700625
Bromomethane	ND		0.0125	1	07/06/2021 18:46	WG1700625
n-Butylbenzene	ND		0.0125	1	07/06/2021 18:46	WG1700625
sec-Butylbenzene	ND		0.0125	1	07/06/2021 18:46	WG1700625
tert-Butylbenzene	ND		0.00500	1	07/06/2021 18:46	WG1700625
Carbon tetrachloride	ND		0.00500	1	07/06/2021 18:46	WG1700625
Chlorobenzene	ND		0.00250	1	07/06/2021 18:46	WG1700625
Chlorodibromomethane	ND		0.00250	1	07/06/2021 18:46	WG1700625
Chloroethane	ND		0.00500	1	07/06/2021 18:46	WG1700625
Chloroform	ND		0.00250	1	07/06/2021 18:46	WG1700625
Chloromethane	ND		0.0125	1	07/06/2021 18:46	WG1700625
2-Chlorotoluene	ND		0.00250	1	07/06/2021 18:46	WG1700625
4-Chlorotoluene	ND		0.00500	1	07/06/2021 18:46	WG1700625
1,2-Dibromo-3-Chloropropane	ND		0.0250	1	07/06/2021 18:46	WG1700625
1,2-Dibromoethane	ND		0.00250	1	07/06/2021 18:46	WG1700625
Dibromomethane	ND		0.00500	1	07/06/2021 18:46	WG1700625
1,2-Dichlorobenzene	ND		0.00500	1	07/06/2021 18:46	WG1700625
1,3-Dichlorobenzene	ND		0.00500	1	07/06/2021 18:46	WG1700625
1,4-Dichlorobenzene	ND		0.00500	1	07/06/2021 18:46	WG1700625
Dichlorodifluoromethane	ND		0.00250	1	07/06/2021 18:46	WG1700625
1,1-Dichloroethane	ND		0.00250	1	07/06/2021 18:46	WG1700625
1,2-Dichloroethane	ND		0.00250	1	07/06/2021 18:46	WG1700625
1,1-Dichloroethene	ND		0.00250	1	07/06/2021 18:46	WG1700625
cis-1,2-Dichloroethene	ND		0.00250	1	07/06/2021 18:46	WG1700625
trans-1,2-Dichloroethene	ND		0.00500	1	07/06/2021 18:46	WG1700625



AUGER HOLE 4 18"-24"

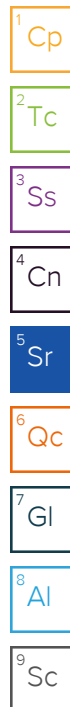
Collected date/time: 06/28/21 13:02

SAMPLE RESULTS - 16

L1373385

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	ND		0.00500	1	07/06/2021 18:46	WG1700625
1,1-Dichloropropene	ND		0.00250	1	07/06/2021 18:46	WG1700625
1,3-Dichloropropane	ND		0.00500	1	07/06/2021 18:46	WG1700625
cis-1,3-Dichloropropene	ND		0.00250	1	07/06/2021 18:46	WG1700625
trans-1,3-Dichloropropene	ND		0.00500	1	07/06/2021 18:46	WG1700625
2,2-Dichloropropane	ND		0.00250	1	07/06/2021 18:46	WG1700625
Di-isopropyl ether	ND		0.00100	1	07/06/2021 18:46	WG1700625
Ethylbenzene	ND		0.00250	1	07/06/2021 18:46	WG1700625
Hexachloro-1,3-butadiene	ND		0.0250	1	07/06/2021 18:46	WG1700625
Isopropylbenzene	ND		0.00250	1	07/06/2021 18:46	WG1700625
p-Isopropyltoluene	ND		0.00500	1	07/06/2021 18:46	WG1700625
2-Butanone (MEK)	ND		0.100	1	07/06/2021 18:46	WG1700625
Methylene Chloride	ND		0.0250	1	07/06/2021 18:46	WG1700625
4-Methyl-2-pentanone (MIBK)	ND		0.0250	1	07/06/2021 18:46	WG1700625
Methyl tert-butyl ether	ND		0.00100	1	07/06/2021 18:46	WG1700625
Naphthalene	ND	J4	0.0125	1	07/06/2021 18:46	WG1700625
n-Propylbenzene	ND		0.00500	1	07/06/2021 18:46	WG1700625
Styrene	ND		0.0125	1	07/06/2021 18:46	WG1700625
1,1,1,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 18:46	WG1700625
1,1,2,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 18:46	WG1700625
1,1,2-Trichlorotrifluoroethane	ND		0.00250	1	07/06/2021 18:46	WG1700625
Tetrachloroethene	ND		0.00250	1	07/06/2021 18:46	WG1700625
Toluene	ND		0.00500	1	07/06/2021 18:46	WG1700625
1,2,3-Trichlorobenzene	ND		0.0125	1	07/06/2021 18:46	WG1700625
1,2,4-Trichlorobenzene	ND		0.0125	1	07/06/2021 18:46	WG1700625
1,1,1-Trichloroethane	ND		0.00250	1	07/06/2021 18:46	WG1700625
1,1,2-Trichloroethane	ND		0.00250	1	07/06/2021 18:46	WG1700625
Trichloroethene	ND		0.00100	1	07/06/2021 18:46	WG1700625
Trichlorofluoromethane	ND		0.00250	1	07/06/2021 18:46	WG1700625
1,2,3-Trichloropropane	ND		0.0125	1	07/06/2021 18:46	WG1700625
1,2,4-Trimethylbenzene	ND		0.00500	1	07/06/2021 18:46	WG1700625
1,2,3-Trimethylbenzene	ND		0.00500	1	07/06/2021 18:46	WG1700625
Vinyl chloride	ND		0.00250	1	07/06/2021 18:46	WG1700625
1,3,5-Trimethylbenzene	ND		0.00500	1	07/06/2021 18:46	WG1700625
Xylenes, Total	ND		0.00650	1	07/06/2021 18:46	WG1700625
(S) Toluene-d8	95.8		75.0-131		07/06/2021 18:46	WG1700625
(S) 4-Bromofluorobenzene	99.1		67.0-138		07/06/2021 18:46	WG1700625
(S) 1,2-Dichloroethane-d4	103		70.0-130		07/06/2021 18:46	WG1700625



Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	ND		4.00	1	07/08/2021 14:20	WG1701405
(S) o-Terphenyl	62.2		18.0-148		07/08/2021 14:20	WG1701405

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0333	1	07/08/2021 11:11	WG1701393
Acenaphthylene	ND		0.0333	1	07/08/2021 11:11	WG1701393
Anthracene	ND		0.0333	1	07/08/2021 11:11	WG1701393
Benzidine	ND		1.67	1	07/08/2021 11:11	WG1701393
Benzo(a)anthracene	ND		0.0333	1	07/08/2021 11:11	WG1701393
Benzo(b)fluoranthene	ND		0.0333	1	07/08/2021 11:11	WG1701393
Benzo(k)fluoranthene	ND		0.0333	1	07/08/2021 11:11	WG1701393

AUGER HOLE 4 18"-24"

Collected date/time: 06/28/21 13:02

SAMPLE RESULTS - 16

L1373385

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzo(g,h,i)perylene	ND		0.0333	1	07/08/2021 11:11	WG1701393
Benzo(a)pyrene	ND		0.0333	1	07/08/2021 11:11	WG1701393
Bis(2-chloroethoxy)methane	ND		0.333	1	07/08/2021 11:11	WG1701393
Bis(2-chloroethyl)ether	ND		0.333	1	07/08/2021 11:11	WG1701393
2,2-Oxybis(1-Chloropropane)	ND		0.333	1	07/08/2021 11:11	WG1701393
4-Bromophenyl-phenylether	ND		0.333	1	07/08/2021 11:11	WG1701393
2-Chloronaphthalene	ND		0.0333	1	07/08/2021 11:11	WG1701393
4-Chlorophenyl-phenylether	ND		0.333	1	07/08/2021 11:11	WG1701393
Chrysene	ND		0.0333	1	07/08/2021 11:11	WG1701393
Dibenz(a,h)anthracene	ND		0.0333	1	07/08/2021 11:11	WG1701393
1,2-Dichlorobenzene	ND		0.333	1	07/08/2021 11:11	WG1701393
1,3-Dichlorobenzene	ND		0.333	1	07/08/2021 11:11	WG1701393
1,4-Dichlorobenzene	ND		0.333	1	07/08/2021 11:11	WG1701393
3,3-Dichlorobenzidine	ND		0.333	1	07/08/2021 11:11	WG1701393
2,4-Dinitrotoluene	ND		0.333	1	07/08/2021 11:11	WG1701393
2,6-Dinitrotoluene	ND		0.333	1	07/08/2021 11:11	WG1701393
Fluoranthene	ND		0.0333	1	07/08/2021 11:11	WG1701393
Fluorene	ND		0.0333	1	07/08/2021 11:11	WG1701393
Hexachlorobenzene	ND		0.333	1	07/08/2021 11:11	WG1701393
Hexachloro-1,3-butadiene	ND		0.333	1	07/08/2021 11:11	WG1701393
Hexachlorocyclopentadiene	ND		0.333	1	07/08/2021 11:11	WG1701393
Hexachloroethane	ND		0.333	1	07/08/2021 11:11	WG1701393
Indeno(1,2,3-cd)pyrene	ND		0.0333	1	07/08/2021 11:11	WG1701393
Isophorone	ND		0.333	1	07/08/2021 11:11	WG1701393
1-Methylnaphthalene	ND		0.0333	1	07/08/2021 11:11	WG1701393
2-Methylnaphthalene	ND		0.0333	1	07/08/2021 11:11	WG1701393
Naphthalene	ND		0.0333	1	07/08/2021 11:11	WG1701393
Nitrobenzene	ND		0.333	1	07/08/2021 11:11	WG1701393
n-Nitrosodimethylamine	ND		0.333	1	07/08/2021 11:11	WG1701393
n-Nitrosodiphenylamine	ND		0.333	1	07/08/2021 11:11	WG1701393
n-Nitrosodi-n-propylamine	ND		0.333	1	07/08/2021 11:11	WG1701393
Phenanthrene	ND		0.0333	1	07/08/2021 11:11	WG1701393
Benzylbutyl phthalate	ND		0.333	1	07/08/2021 11:11	WG1701393
Bis(2-ethylhexyl)phthalate	ND		0.333	1	07/08/2021 11:11	WG1701393
Di-n-butyl phthalate	ND		0.333	1	07/08/2021 11:11	WG1701393
Diethyl phthalate	ND		0.333	1	07/08/2021 11:11	WG1701393
Dimethyl phthalate	ND		0.333	1	07/08/2021 11:11	WG1701393
Di-n-octyl phthalate	ND		0.333	1	07/08/2021 11:11	WG1701393
Pyrene	ND		0.0333	1	07/08/2021 11:11	WG1701393
1,2,4-Trichlorobenzene	ND		0.333	1	07/08/2021 11:11	WG1701393
4-Chloro-3-methylphenol	ND		0.333	1	07/08/2021 11:11	WG1701393
2-Chlorophenol	ND		0.333	1	07/08/2021 11:11	WG1701393
2,4-Dichlorophenol	ND		0.333	1	07/08/2021 11:11	WG1701393
2,4-Dimethylphenol	ND		0.333	1	07/08/2021 11:11	WG1701393
4,6-Dinitro-2-methylphenol	ND		0.333	1	07/08/2021 11:11	WG1701393
2,4-Dinitrophenol	ND		0.333	1	07/08/2021 11:11	WG1701393
2-Nitrophenol	ND		0.333	1	07/08/2021 11:11	WG1701393
4-Nitrophenol	ND		0.333	1	07/08/2021 11:11	WG1701393
Pentachlorophenol	ND		0.333	1	07/08/2021 11:11	WG1701393
Phenol	ND		0.333	1	07/08/2021 11:11	WG1701393
2,4,6-Trichlorophenol	ND		0.333	1	07/08/2021 11:11	WG1701393
(S) 2-Fluorophenol	63.4		12.0-120		07/08/2021 11:11	WG1701393
(S) Phenol-d5	62.0		10.0-120		07/08/2021 11:11	WG1701393
(S) Nitrobenzene-d5	63.3		10.0-122		07/08/2021 11:11	WG1701393
(S) 2-Fluorobiphenyl	62.3		15.0-120		07/08/2021 11:11	WG1701393
(S) 2,4,6-Tribromophenol	68.1		10.0-127		07/08/2021 11:11	WG1701393

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

ACCOUNT:

Etech Environmental- Midland, TX

PROJECT:

14026

SDG:

L1373385

DATE/TIME:

08/13/21 09:27

PAGE:

73 of 158

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
(S) p-Terphenyl-d14	59.0		10.0-120		07/08/2021 11:11	WG1701393

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

AUGER HOLE 5 0-6"

Collected date/time: 06/28/21 13:04

SAMPLE RESULTS - 17

L1373385

Wet Chemistry by Method 3060A/7196A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium,Hexavalent	ND		2.00	1	07/08/2021 20:36	WG1700138

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.40		2.00	1	07/08/2021 23:24	WG1699573
Barium	114		0.500	1	07/08/2021 23:24	WG1699573
Cadmium	ND		0.500	1	07/08/2021 23:24	WG1699573
Copper	9.33		2.00	1	07/08/2021 23:24	WG1699573
Lead	7.45		0.500	1	07/08/2021 23:24	WG1699573
Nickel	10.1		2.00	1	07/08/2021 23:24	WG1699573
Selenium	ND		2.00	1	07/08/2021 23:24	WG1699573
Silver	ND		1.00	1	07/08/2021 23:24	WG1699573
Zinc	30.1		5.00	1	07/08/2021 23:24	WG1699573

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.101	1.01	07/08/2021 17:42	WG1701777
(S) a,a,a-Trifluorotoluene(FID)	103		77.0-120		07/08/2021 17:42	WG1701777

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	07/06/2021 19:05	WG1700625
Acrylonitrile	ND		0.0125	1	07/06/2021 19:05	WG1700625
Benzene	ND		0.00100	1	07/06/2021 19:05	WG1700625
Bromobenzene	ND		0.0125	1	07/06/2021 19:05	WG1700625
Bromodichloromethane	ND		0.00250	1	07/06/2021 19:05	WG1700625
Bromoform	ND		0.0250	1	07/06/2021 19:05	WG1700625
Bromomethane	ND		0.0125	1	07/06/2021 19:05	WG1700625
n-Butylbenzene	ND		0.0125	1	07/06/2021 19:05	WG1700625
sec-Butylbenzene	ND		0.0125	1	07/06/2021 19:05	WG1700625
tert-Butylbenzene	ND		0.00500	1	07/06/2021 19:05	WG1700625
Carbon tetrachloride	ND		0.00500	1	07/06/2021 19:05	WG1700625
Chlorobenzene	ND		0.00250	1	07/06/2021 19:05	WG1700625
Chlorodibromomethane	ND		0.00250	1	07/06/2021 19:05	WG1700625
Chloroethane	ND		0.00500	1	07/06/2021 19:05	WG1700625
Chloroform	ND		0.00250	1	07/06/2021 19:05	WG1700625
Chloromethane	ND		0.0125	1	07/06/2021 19:05	WG1700625
2-Chlorotoluene	ND		0.00250	1	07/06/2021 19:05	WG1700625
4-Chlorotoluene	ND		0.00500	1	07/06/2021 19:05	WG1700625
1,2-Dibromo-3-Chloropropane	ND		0.0250	1	07/06/2021 19:05	WG1700625
1,2-Dibromoethane	ND		0.00250	1	07/06/2021 19:05	WG1700625
Dibromomethane	ND		0.00500	1	07/06/2021 19:05	WG1700625
1,2-Dichlorobenzene	ND		0.00500	1	07/06/2021 19:05	WG1700625
1,3-Dichlorobenzene	ND		0.00500	1	07/06/2021 19:05	WG1700625
1,4-Dichlorobenzene	ND		0.00500	1	07/06/2021 19:05	WG1700625
Dichlorodifluoromethane	ND		0.00250	1	07/06/2021 19:05	WG1700625
1,1-Dichloroethane	ND		0.00250	1	07/06/2021 19:05	WG1700625
1,2-Dichloroethane	ND		0.00250	1	07/06/2021 19:05	WG1700625
1,1-Dichloroethene	ND		0.00250	1	07/06/2021 19:05	WG1700625
cis-1,2-Dichloroethene	ND		0.00250	1	07/06/2021 19:05	WG1700625
trans-1,2-Dichloroethene	ND		0.00500	1	07/06/2021 19:05	WG1700625

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

AUGER HOLE 5 0-6"

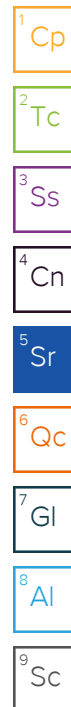
Collected date/time: 06/28/21 13:04

SAMPLE RESULTS - 17

L1373385

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	ND		0.00500	1	07/06/2021 19:05	WG1700625
1,1-Dichloropropene	ND		0.00250	1	07/06/2021 19:05	WG1700625
1,3-Dichloropropane	ND		0.00500	1	07/06/2021 19:05	WG1700625
cis-1,3-Dichloropropene	ND		0.00250	1	07/06/2021 19:05	WG1700625
trans-1,3-Dichloropropene	ND		0.00500	1	07/06/2021 19:05	WG1700625
2,2-Dichloropropane	ND		0.00250	1	07/06/2021 19:05	WG1700625
Di-isopropyl ether	ND		0.00100	1	07/06/2021 19:05	WG1700625
Ethylbenzene	ND		0.00250	1	07/06/2021 19:05	WG1700625
Hexachloro-1,3-butadiene	ND		0.0250	1	07/06/2021 19:05	WG1700625
Isopropylbenzene	ND		0.00250	1	07/06/2021 19:05	WG1700625
p-Isopropyltoluene	ND		0.00500	1	07/06/2021 19:05	WG1700625
2-Butanone (MEK)	ND		0.100	1	07/06/2021 19:05	WG1700625
Methylene Chloride	ND		0.0250	1	07/06/2021 19:05	WG1700625
4-Methyl-2-pentanone (MIBK)	ND		0.0250	1	07/06/2021 19:05	WG1700625
Methyl tert-butyl ether	ND		0.00100	1	07/06/2021 19:05	WG1700625
Naphthalene	ND	J4	0.0125	1	07/06/2021 19:05	WG1700625
n-Propylbenzene	ND		0.00500	1	07/06/2021 19:05	WG1700625
Styrene	ND		0.0125	1	07/06/2021 19:05	WG1700625
1,1,1,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 19:05	WG1700625
1,1,2,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 19:05	WG1700625
1,1,2-Trichlorotrifluoroethane	ND		0.00250	1	07/06/2021 19:05	WG1700625
Tetrachloroethene	ND		0.00250	1	07/06/2021 19:05	WG1700625
Toluene	ND		0.00500	1	07/06/2021 19:05	WG1700625
1,2,3-Trichlorobenzene	ND		0.0125	1	07/06/2021 19:05	WG1700625
1,2,4-Trichlorobenzene	ND		0.0125	1	07/06/2021 19:05	WG1700625
1,1,1-Trichloroethane	ND		0.00250	1	07/06/2021 19:05	WG1700625
1,1,2-Trichloroethane	ND		0.00250	1	07/06/2021 19:05	WG1700625
Trichloroethene	ND		0.00100	1	07/06/2021 19:05	WG1700625
Trichlorofluoromethane	ND		0.00250	1	07/06/2021 19:05	WG1700625
1,2,3-Trichloropropane	ND		0.0125	1	07/06/2021 19:05	WG1700625
1,2,4-Trimethylbenzene	ND		0.00500	1	07/06/2021 19:05	WG1700625
1,2,3-Trimethylbenzene	ND		0.00500	1	07/06/2021 19:05	WG1700625
Vinyl chloride	ND		0.00250	1	07/06/2021 19:05	WG1700625
1,3,5-Trimethylbenzene	ND		0.00500	1	07/06/2021 19:05	WG1700625
Xylenes, Total	ND		0.00650	1	07/06/2021 19:05	WG1700625
(S) Toluene-d8	97.9		75.0-131		07/06/2021 19:05	WG1700625
(S) 4-Bromofluorobenzene	102		67.0-138		07/06/2021 19:05	WG1700625
(S) 1,2-Dichloroethane-d4	98.4		70.0-130		07/06/2021 19:05	WG1700625



Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	ND		4.00	1	07/08/2021 15:42	WG1701405
(S) o-Terphenyl	59.8		18.0-148		07/08/2021 15:42	WG1701405

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0333	1	07/08/2021 13:35	WG1701393
Acenaphthylene	ND		0.0333	1	07/08/2021 13:35	WG1701393
Anthracene	ND		0.0333	1	07/08/2021 13:35	WG1701393
Benzidine	ND		1.67	1	07/08/2021 13:35	WG1701393
Benzo(a)anthracene	ND		0.0333	1	07/08/2021 13:35	WG1701393
Benzo(b)fluoranthene	ND		0.0333	1	07/08/2021 13:35	WG1701393
Benzo(k)fluoranthene	ND		0.0333	1	07/08/2021 13:35	WG1701393

ACCOUNT:

Etech Environmental- Midland, TX

PROJECT:

14026

SDG:

L1373385

DATE/TIME:

08/13/21 09:27

PAGE:

76 of 158

AUGER HOLE 5 0-6"

Collected date/time: 06/28/21 13:04

SAMPLE RESULTS - 17

L1373385

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzo(g,h,i)perylene	ND		0.0333	1	07/08/2021 13:35	WG1701393
Benzo(a)pyrene	ND		0.0333	1	07/08/2021 13:35	WG1701393
Bis(2-chloroethoxy)methane	ND		0.333	1	07/08/2021 13:35	WG1701393
Bis(2-chloroethyl)ether	ND		0.333	1	07/08/2021 13:35	WG1701393
2,2-Oxybis(1-Chloropropane)	ND		0.333	1	07/08/2021 13:35	WG1701393
4-Bromophenyl-phenylether	ND		0.333	1	07/08/2021 13:35	WG1701393
2-Chloronaphthalene	ND		0.0333	1	07/08/2021 13:35	WG1701393
4-Chlorophenyl-phenylether	ND		0.333	1	07/08/2021 13:35	WG1701393
Chrysene	ND		0.0333	1	07/08/2021 13:35	WG1701393
Dibenz(a,h)anthracene	ND		0.0333	1	07/08/2021 13:35	WG1701393
1,2-Dichlorobenzene	ND		0.333	1	07/08/2021 13:35	WG1701393
1,3-Dichlorobenzene	ND		0.333	1	07/08/2021 13:35	WG1701393
1,4-Dichlorobenzene	ND		0.333	1	07/08/2021 13:35	WG1701393
3,3-Dichlorobenzidine	ND		0.333	1	07/08/2021 13:35	WG1701393
2,4-Dinitrotoluene	ND		0.333	1	07/08/2021 13:35	WG1701393
2,6-Dinitrotoluene	ND		0.333	1	07/08/2021 13:35	WG1701393
Fluoranthene	ND		0.0333	1	07/08/2021 13:35	WG1701393
Fluorene	ND		0.0333	1	07/08/2021 13:35	WG1701393
Hexachlorobenzene	ND		0.333	1	07/08/2021 13:35	WG1701393
Hexachloro-1,3-butadiene	ND		0.333	1	07/08/2021 13:35	WG1701393
Hexachlorocyclopentadiene	ND		0.333	1	07/08/2021 13:35	WG1701393
Hexachloroethane	ND		0.333	1	07/08/2021 13:35	WG1701393
Indeno(1,2,3-cd)pyrene	ND		0.0333	1	07/08/2021 13:35	WG1701393
Isophorone	ND		0.333	1	07/08/2021 13:35	WG1701393
1-Methylnaphthalene	ND		0.0333	1	07/08/2021 13:35	WG1701393
2-Methylnaphthalene	ND		0.0333	1	07/08/2021 13:35	WG1701393
Naphthalene	ND		0.0333	1	07/08/2021 13:35	WG1701393
Nitrobenzene	ND		0.333	1	07/08/2021 13:35	WG1701393
n-Nitrosodimethylamine	ND		0.333	1	07/08/2021 13:35	WG1701393
n-Nitrosodiphenylamine	ND		0.333	1	07/08/2021 13:35	WG1701393
n-Nitrosodi-n-propylamine	ND		0.333	1	07/08/2021 13:35	WG1701393
Phenanthrene	ND		0.0333	1	07/08/2021 13:35	WG1701393
Benzylbutyl phthalate	ND		0.333	1	07/08/2021 13:35	WG1701393
Bis(2-ethylhexyl)phthalate	ND		0.333	1	07/08/2021 13:35	WG1701393
Di-n-butyl phthalate	ND		0.333	1	07/08/2021 13:35	WG1701393
Diethyl phthalate	ND		0.333	1	07/08/2021 13:35	WG1701393
Dimethyl phthalate	ND		0.333	1	07/08/2021 13:35	WG1701393
Di-n-octyl phthalate	ND		0.333	1	07/08/2021 13:35	WG1701393
Pyrene	ND		0.0333	1	07/08/2021 13:35	WG1701393
1,2,4-Trichlorobenzene	ND		0.333	1	07/08/2021 13:35	WG1701393
4-Chloro-3-methylphenol	ND		0.333	1	07/08/2021 13:35	WG1701393
2-Chlorophenol	ND		0.333	1	07/08/2021 13:35	WG1701393
2,4-Dichlorophenol	ND		0.333	1	07/08/2021 13:35	WG1701393
2,4-Dimethylphenol	ND		0.333	1	07/08/2021 13:35	WG1701393
4,6-Dinitro-2-methylphenol	ND		0.333	1	07/08/2021 13:35	WG1701393
2,4-Dinitrophenol	ND		0.333	1	07/08/2021 13:35	WG1701393
2-Nitrophenol	ND		0.333	1	07/08/2021 13:35	WG1701393
4-Nitrophenol	ND		0.333	1	07/08/2021 13:35	WG1701393
Pentachlorophenol	ND		0.333	1	07/08/2021 13:35	WG1701393
Phenol	ND		0.333	1	07/08/2021 13:35	WG1701393
2,4,6-Trichlorophenol	ND		0.333	1	07/08/2021 13:35	WG1701393
(S) 2-Fluorophenol	59.4		12.0-120		07/08/2021 13:35	WG1701393
(S) Phenol-d5	59.6		10.0-120		07/08/2021 13:35	WG1701393
(S) Nitrobenzene-d5	60.8		10.0-122		07/08/2021 13:35	WG1701393
(S) 2-Fluorobiphenyl	59.0		15.0-120		07/08/2021 13:35	WG1701393
(S) 2,4,6-Tribromophenol	62.9		10.0-127		07/08/2021 13:35	WG1701393

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

ACCOUNT:

Etech Environmental- Midland, TX

PROJECT:

14026

SDG:

L1373385

DATE/TIME:

08/13/21 09:27

PAGE:

77 of 158

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
(S) p-Terphenyl-d14	55.9		10.0-120		07/08/2021 13:35	WG1701393

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

AUGER HOLE 5 6"-12"

Collected date/time: 06/28/21 13:06

SAMPLE RESULTS - 18

L1373385

Wet Chemistry by Method 3060A/7196A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium,Hexavalent	ND		2.00	1	07/08/2021 20:37	WG1700138

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.61		2.00	1	07/08/2021 23:27	WG1699573
Barium	111		0.500	1	07/08/2021 23:27	WG1699573
Cadmium	ND		0.500	1	07/08/2021 23:27	WG1699573
Copper	9.19		2.00	1	07/08/2021 23:27	WG1699573
Lead	7.74		0.500	1	07/08/2021 23:27	WG1699573
Nickel	9.73		2.00	1	07/08/2021 23:27	WG1699573
Selenium	ND		2.00	1	07/08/2021 23:27	WG1699573
Silver	ND		1.00	1	07/08/2021 23:27	WG1699573
Zinc	25.5		5.00	1	07/08/2021 23:27	WG1699573

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	07/08/2021 18:03	WG1701777
(S) a,a,a-Trifluorotoluene(FID)	104		77.0-120		07/08/2021 18:03	WG1701777

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	07/06/2021 20:40	WG1700625
Acrylonitrile	ND		0.0125	1	07/06/2021 20:40	WG1700625
Benzene	ND		0.00100	1	07/06/2021 20:40	WG1700625
Bromobenzene	ND		0.0125	1	07/06/2021 20:40	WG1700625
Bromodichloromethane	ND		0.00250	1	07/06/2021 20:40	WG1700625
Bromoform	ND		0.0250	1	07/06/2021 20:40	WG1700625
Bromomethane	ND		0.0125	1	07/06/2021 20:40	WG1700625
n-Butylbenzene	ND		0.0125	1	07/06/2021 20:40	WG1700625
sec-Butylbenzene	ND		0.0125	1	07/06/2021 20:40	WG1700625
tert-Butylbenzene	ND		0.00500	1	07/06/2021 20:40	WG1700625
Carbon tetrachloride	ND		0.00500	1	07/06/2021 20:40	WG1700625
Chlorobenzene	ND		0.00250	1	07/06/2021 20:40	WG1700625
Chlorodibromomethane	ND		0.00250	1	07/06/2021 20:40	WG1700625
Chloroethane	ND		0.00500	1	07/06/2021 20:40	WG1700625
Chloroform	ND		0.00250	1	07/06/2021 20:40	WG1700625
Chloromethane	ND		0.0125	1	07/06/2021 20:40	WG1700625
2-Chlorotoluene	ND		0.00250	1	07/06/2021 20:40	WG1700625
4-Chlorotoluene	ND		0.00500	1	07/06/2021 20:40	WG1700625
1,2-Dibromo-3-Chloropropane	ND		0.0250	1	07/06/2021 20:40	WG1700625
1,2-Dibromoethane	ND		0.00250	1	07/06/2021 20:40	WG1700625
Dibromomethane	ND		0.00500	1	07/06/2021 20:40	WG1700625
1,2-Dichlorobenzene	ND		0.00500	1	07/06/2021 20:40	WG1700625
1,3-Dichlorobenzene	ND		0.00500	1	07/06/2021 20:40	WG1700625
1,4-Dichlorobenzene	ND		0.00500	1	07/06/2021 20:40	WG1700625
Dichlorodifluoromethane	ND		0.00250	1	07/06/2021 20:40	WG1700625
1,1-Dichloroethane	ND		0.00250	1	07/06/2021 20:40	WG1700625
1,2-Dichloroethane	ND		0.00250	1	07/06/2021 20:40	WG1700625
1,1-Dichloroethene	ND		0.00250	1	07/06/2021 20:40	WG1700625
cis-1,2-Dichloroethene	ND		0.00250	1	07/06/2021 20:40	WG1700625
trans-1,2-Dichloroethene	ND		0.00500	1	07/06/2021 20:40	WG1700625

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

AUGER HOLE 5 6"-12"

Collected date/time: 06/28/21 13:06

SAMPLE RESULTS - 18

L1373385

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	ND		0.00500	1	07/06/2021 20:40	WG1700625
1,1-Dichloropropene	ND		0.00250	1	07/06/2021 20:40	WG1700625
1,3-Dichloropropane	ND		0.00500	1	07/06/2021 20:40	WG1700625
cis-1,3-Dichloropropene	ND		0.00250	1	07/06/2021 20:40	WG1700625
trans-1,3-Dichloropropene	ND		0.00500	1	07/06/2021 20:40	WG1700625
2,2-Dichloropropane	ND		0.00250	1	07/06/2021 20:40	WG1700625
Di-isopropyl ether	ND		0.00100	1	07/06/2021 20:40	WG1700625
Ethylbenzene	ND		0.00250	1	07/06/2021 20:40	WG1700625
Hexachloro-1,3-butadiene	ND		0.0250	1	07/06/2021 20:40	WG1700625
Isopropylbenzene	ND		0.00250	1	07/06/2021 20:40	WG1700625
p-Isopropyltoluene	ND		0.00500	1	07/06/2021 20:40	WG1700625
2-Butanone (MEK)	ND		0.100	1	07/06/2021 20:40	WG1700625
Methylene Chloride	ND		0.0250	1	07/06/2021 20:40	WG1700625
4-Methyl-2-pentanone (MIBK)	ND		0.0250	1	07/06/2021 20:40	WG1700625
Methyl tert-butyl ether	ND		0.00100	1	07/06/2021 20:40	WG1700625
Naphthalene	ND	J4	0.0125	1	07/06/2021 20:40	WG1700625
n-Propylbenzene	ND		0.00500	1	07/06/2021 20:40	WG1700625
Styrene	ND		0.0125	1	07/06/2021 20:40	WG1700625
1,1,1,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 20:40	WG1700625
1,1,2,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 20:40	WG1700625
1,1,2-Trichlorotrifluoroethane	ND		0.00250	1	07/06/2021 20:40	WG1700625
Tetrachloroethene	ND		0.00250	1	07/06/2021 20:40	WG1700625
Toluene	ND		0.00500	1	07/06/2021 20:40	WG1700625
1,2,3-Trichlorobenzene	ND		0.0125	1	07/06/2021 20:40	WG1700625
1,2,4-Trichlorobenzene	ND		0.0125	1	07/06/2021 20:40	WG1700625
1,1,1-Trichloroethane	ND		0.00250	1	07/06/2021 20:40	WG1700625
1,1,2-Trichloroethane	ND		0.00250	1	07/06/2021 20:40	WG1700625
Trichloroethene	ND		0.00100	1	07/06/2021 20:40	WG1700625
Trichlorofluoromethane	ND		0.00250	1	07/06/2021 20:40	WG1700625
1,2,3-Trichloropropane	ND		0.0125	1	07/06/2021 20:40	WG1700625
1,2,4-Trimethylbenzene	ND		0.00500	1	07/06/2021 20:40	WG1700625
1,2,3-Trimethylbenzene	ND		0.00500	1	07/06/2021 20:40	WG1700625
Vinyl chloride	ND		0.00250	1	07/06/2021 20:40	WG1700625
1,3,5-Trimethylbenzene	ND		0.00500	1	07/06/2021 20:40	WG1700625
Xylenes, Total	ND		0.00650	1	07/06/2021 20:40	WG1700625
(S) Toluene-d8	96.3		75.0-131		07/06/2021 20:40	WG1700625
(S) 4-Bromofluorobenzene	96.4		67.0-138		07/06/2021 20:40	WG1700625
(S) 1,2-Dichloroethane-d4	102		70.0-130		07/06/2021 20:40	WG1700625

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	ND		4.00	1	07/08/2021 15:01	WG1701405
(S) o-Terphenyl	58.3		18.0-148		07/08/2021 15:01	WG1701405

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0333	1	07/08/2021 13:55	WG1701393
Acenaphthylene	ND		0.0333	1	07/08/2021 13:55	WG1701393
Anthracene	ND		0.0333	1	07/08/2021 13:55	WG1701393
Benzidine	ND		1.67	1	07/08/2021 13:55	WG1701393
Benzo(a)anthracene	ND		0.0333	1	07/08/2021 13:55	WG1701393
Benzo(b)fluoranthene	ND		0.0333	1	07/08/2021 13:55	WG1701393
Benzo(k)fluoranthene	ND		0.0333	1	07/08/2021 13:55	WG1701393

AUGER HOLE 5 6"-12"

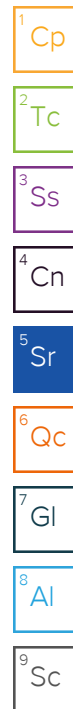
Collected date/time: 06/28/21 13:06

SAMPLE RESULTS - 18

L1373385

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzo(g,h,i)perylene	ND		0.0333	1	07/08/2021 13:55	WG1701393
Benzo(a)pyrene	ND		0.0333	1	07/08/2021 13:55	WG1701393
Bis(2-chloroethoxy)methane	ND		0.333	1	07/08/2021 13:55	WG1701393
Bis(2-chloroethyl)ether	ND		0.333	1	07/08/2021 13:55	WG1701393
2,2-Oxybis(1-Chloropropane)	ND		0.333	1	07/08/2021 13:55	WG1701393
4-Bromophenyl-phenylether	ND		0.333	1	07/08/2021 13:55	WG1701393
2-Chloronaphthalene	ND		0.0333	1	07/08/2021 13:55	WG1701393
4-Chlorophenyl-phenylether	ND		0.333	1	07/08/2021 13:55	WG1701393
Chrysene	ND		0.0333	1	07/08/2021 13:55	WG1701393
Dibenz(a,h)anthracene	ND		0.0333	1	07/08/2021 13:55	WG1701393
1,2-Dichlorobenzene	ND		0.333	1	07/08/2021 13:55	WG1701393
1,3-Dichlorobenzene	ND		0.333	1	07/08/2021 13:55	WG1701393
1,4-Dichlorobenzene	ND		0.333	1	07/08/2021 13:55	WG1701393
3,3-Dichlorobenzidine	ND		0.333	1	07/08/2021 13:55	WG1701393
2,4-Dinitrotoluene	ND		0.333	1	07/08/2021 13:55	WG1701393
2,6-Dinitrotoluene	ND		0.333	1	07/08/2021 13:55	WG1701393
Fluoranthene	ND		0.0333	1	07/08/2021 13:55	WG1701393
Fluorene	ND		0.0333	1	07/08/2021 13:55	WG1701393
Hexachlorobenzene	ND		0.333	1	07/08/2021 13:55	WG1701393
Hexachloro-1,3-butadiene	ND		0.333	1	07/08/2021 13:55	WG1701393
Hexachlorocyclopentadiene	ND		0.333	1	07/08/2021 13:55	WG1701393
Hexachloroethane	ND		0.333	1	07/08/2021 13:55	WG1701393
Indeno(1,2,3-cd)pyrene	ND		0.0333	1	07/08/2021 13:55	WG1701393
Isophorone	ND		0.333	1	07/08/2021 13:55	WG1701393
1-Methylnaphthalene	ND		0.0333	1	07/08/2021 13:55	WG1701393
2-Methylnaphthalene	ND		0.0333	1	07/08/2021 13:55	WG1701393
Naphthalene	ND		0.0333	1	07/08/2021 13:55	WG1701393
Nitrobenzene	ND		0.333	1	07/08/2021 13:55	WG1701393
n-Nitrosodimethylamine	ND		0.333	1	07/08/2021 13:55	WG1701393
n-Nitrosodiphenylamine	ND		0.333	1	07/08/2021 13:55	WG1701393
n-Nitrosodi-n-propylamine	ND		0.333	1	07/08/2021 13:55	WG1701393
Phenanthrene	ND		0.0333	1	07/08/2021 13:55	WG1701393
Benzylbutyl phthalate	ND		0.333	1	07/08/2021 13:55	WG1701393
Bis(2-ethylhexyl)phthalate	ND		0.333	1	07/08/2021 13:55	WG1701393
Di-n-butyl phthalate	ND		0.333	1	07/08/2021 13:55	WG1701393
Diethyl phthalate	ND		0.333	1	07/08/2021 13:55	WG1701393
Dimethyl phthalate	ND		0.333	1	07/08/2021 13:55	WG1701393
Di-n-octyl phthalate	ND		0.333	1	07/08/2021 13:55	WG1701393
Pyrene	ND		0.0333	1	07/08/2021 13:55	WG1701393
1,2,4-Trichlorobenzene	ND		0.333	1	07/08/2021 13:55	WG1701393
4-Chloro-3-methylphenol	ND		0.333	1	07/08/2021 13:55	WG1701393
2-Chlorophenol	ND		0.333	1	07/08/2021 13:55	WG1701393
2,4-Dichlorophenol	ND		0.333	1	07/08/2021 13:55	WG1701393
2,4-Dimethylphenol	ND		0.333	1	07/08/2021 13:55	WG1701393
4,6-Dinitro-2-methylphenol	ND		0.333	1	07/08/2021 13:55	WG1701393
2,4-Dinitrophenol	ND		0.333	1	07/08/2021 13:55	WG1701393
2-Nitrophenol	ND		0.333	1	07/08/2021 13:55	WG1701393
4-Nitrophenol	ND		0.333	1	07/08/2021 13:55	WG1701393
Pentachlorophenol	ND		0.333	1	07/08/2021 13:55	WG1701393
Phenol	ND		0.333	1	07/08/2021 13:55	WG1701393
2,4,6-Trichlorophenol	ND		0.333	1	07/08/2021 13:55	WG1701393
(S) 2-Fluorophenol	56.3		12.0-120		07/08/2021 13:55	WG1701393
(S) Phenol-d5	55.1		10.0-120		07/08/2021 13:55	WG1701393
(S) Nitrobenzene-d5	57.2		10.0-122		07/08/2021 13:55	WG1701393
(S) 2-Fluorobiphenyl	59.1		15.0-120		07/08/2021 13:55	WG1701393
(S) 2,4,6-Tribromophenol	62.3		10.0-127		07/08/2021 13:55	WG1701393



Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
(S) p-Terphenyl-d14	54.2		10.0-120		07/08/2021 13:55	WG1701393

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

AUGER HOLE 5 12"-18"

Collected date/time: 06/28/21 13:08

SAMPLE RESULTS - 19

L1373385

Wet Chemistry by Method 3060A/7196A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium,Hexavalent	ND		2.00	1	07/08/2021 20:37	WG1700138

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.06		2.00	1	07/08/2021 23:29	WG1699573
Barium	180		0.500	1	07/08/2021 23:29	WG1699573
Cadmium	ND		0.500	1	07/08/2021 23:29	WG1699573
Copper	10.6		2.00	1	07/08/2021 23:29	WG1699573
Lead	7.94		0.500	1	07/08/2021 23:29	WG1699573
Nickel	11.2		2.00	1	07/08/2021 23:29	WG1699573
Selenium	ND		2.00	1	07/08/2021 23:29	WG1699573
Silver	ND		1.00	1	07/08/2021 23:29	WG1699573
Zinc	32.7		5.00	1	07/08/2021 23:29	WG1699573

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.101	1.01	07/08/2021 18:25	WG1701777
(S) a,a,a-Trifluorotoluene(FID)	103		77.0-120		07/08/2021 18:25	WG1701777

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	07/06/2021 20:59	WG1700625
Acrylonitrile	ND		0.0125	1	07/06/2021 20:59	WG1700625
Benzene	ND		0.00100	1	07/06/2021 20:59	WG1700625
Bromobenzene	ND		0.0125	1	07/06/2021 20:59	WG1700625
Bromodichloromethane	ND		0.00250	1	07/06/2021 20:59	WG1700625
Bromoform	ND		0.0250	1	07/06/2021 20:59	WG1700625
Bromomethane	ND		0.0125	1	07/06/2021 20:59	WG1700625
n-Butylbenzene	ND		0.0125	1	07/06/2021 20:59	WG1700625
sec-Butylbenzene	ND		0.0125	1	07/06/2021 20:59	WG1700625
tert-Butylbenzene	ND		0.00500	1	07/06/2021 20:59	WG1700625
Carbon tetrachloride	ND		0.00500	1	07/06/2021 20:59	WG1700625
Chlorobenzene	ND		0.00250	1	07/06/2021 20:59	WG1700625
Chlorodibromomethane	ND		0.00250	1	07/06/2021 20:59	WG1700625
Chloroethane	ND		0.00500	1	07/06/2021 20:59	WG1700625
Chloroform	ND		0.00250	1	07/06/2021 20:59	WG1700625
Chloromethane	ND		0.0125	1	07/06/2021 20:59	WG1700625
2-Chlorotoluene	ND		0.00250	1	07/06/2021 20:59	WG1700625
4-Chlorotoluene	ND		0.00500	1	07/06/2021 20:59	WG1700625
1,2-Dibromo-3-Chloropropane	ND		0.0250	1	07/06/2021 20:59	WG1700625
1,2-Dibromoethane	ND		0.00250	1	07/06/2021 20:59	WG1700625
Dibromomethane	ND		0.00500	1	07/06/2021 20:59	WG1700625
1,2-Dichlorobenzene	ND		0.00500	1	07/06/2021 20:59	WG1700625
1,3-Dichlorobenzene	ND		0.00500	1	07/06/2021 20:59	WG1700625
1,4-Dichlorobenzene	ND		0.00500	1	07/06/2021 20:59	WG1700625
Dichlorodifluoromethane	ND		0.00250	1	07/06/2021 20:59	WG1700625
1,1-Dichloroethane	ND		0.00250	1	07/06/2021 20:59	WG1700625
1,2-Dichloroethane	ND		0.00250	1	07/06/2021 20:59	WG1700625
1,1-Dichloroethene	ND		0.00250	1	07/06/2021 20:59	WG1700625
cis-1,2-Dichloroethene	ND		0.00250	1	07/06/2021 20:59	WG1700625
trans-1,2-Dichloroethene	ND		0.00500	1	07/06/2021 20:59	WG1700625

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

AUGER HOLE 5 12"-18"

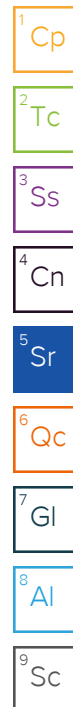
Collected date/time: 06/28/21 13:08

SAMPLE RESULTS - 19

L1373385

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	ND		0.00500	1	07/06/2021 20:59	WG1700625
1,1-Dichloropropene	ND		0.00250	1	07/06/2021 20:59	WG1700625
1,3-Dichloropropane	ND		0.00500	1	07/06/2021 20:59	WG1700625
cis-1,3-Dichloropropene	ND		0.00250	1	07/06/2021 20:59	WG1700625
trans-1,3-Dichloropropene	ND		0.00500	1	07/06/2021 20:59	WG1700625
2,2-Dichloropropane	ND		0.00250	1	07/06/2021 20:59	WG1700625
Di-isopropyl ether	ND		0.00100	1	07/06/2021 20:59	WG1700625
Ethylbenzene	ND		0.00250	1	07/06/2021 20:59	WG1700625
Hexachloro-1,3-butadiene	ND		0.0250	1	07/06/2021 20:59	WG1700625
Isopropylbenzene	ND		0.00250	1	07/06/2021 20:59	WG1700625
p-Isopropyltoluene	ND		0.00500	1	07/06/2021 20:59	WG1700625
2-Butanone (MEK)	ND		0.100	1	07/06/2021 20:59	WG1700625
Methylene Chloride	ND		0.0250	1	07/06/2021 20:59	WG1700625
4-Methyl-2-pentanone (MIBK)	ND		0.0250	1	07/06/2021 20:59	WG1700625
Methyl tert-butyl ether	ND		0.00100	1	07/06/2021 20:59	WG1700625
Naphthalene	ND	J4	0.0125	1	07/06/2021 20:59	WG1700625
n-Propylbenzene	ND		0.00500	1	07/06/2021 20:59	WG1700625
Styrene	ND		0.0125	1	07/06/2021 20:59	WG1700625
1,1,1,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 20:59	WG1700625
1,1,2,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 20:59	WG1700625
1,1,2-Trichlorotrifluoroethane	ND		0.00250	1	07/06/2021 20:59	WG1700625
Tetrachloroethene	ND		0.00250	1	07/06/2021 20:59	WG1700625
Toluene	ND		0.00500	1	07/06/2021 20:59	WG1700625
1,2,3-Trichlorobenzene	ND		0.0125	1	07/06/2021 20:59	WG1700625
1,2,4-Trichlorobenzene	ND		0.0125	1	07/06/2021 20:59	WG1700625
1,1,1-Trichloroethane	ND		0.00250	1	07/06/2021 20:59	WG1700625
1,1,2-Trichloroethane	ND		0.00250	1	07/06/2021 20:59	WG1700625
Trichloroethene	ND		0.00100	1	07/06/2021 20:59	WG1700625
Trichlorofluoromethane	ND		0.00250	1	07/06/2021 20:59	WG1700625
1,2,3-Trichloropropane	ND		0.0125	1	07/06/2021 20:59	WG1700625
1,2,4-Trimethylbenzene	ND		0.00500	1	07/06/2021 20:59	WG1700625
1,2,3-Trimethylbenzene	ND		0.00500	1	07/06/2021 20:59	WG1700625
Vinyl chloride	ND		0.00250	1	07/06/2021 20:59	WG1700625
1,3,5-Trimethylbenzene	ND		0.00500	1	07/06/2021 20:59	WG1700625
Xylenes, Total	ND		0.00650	1	07/06/2021 20:59	WG1700625
(S) Toluene-d8	97.1		75.0-131		07/06/2021 20:59	WG1700625
(S) 4-Bromofluorobenzene	99.2		67.0-138		07/06/2021 20:59	WG1700625
(S) 1,2-Dichloroethane-d4	100		70.0-130		07/06/2021 20:59	WG1700625



Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	ND		4.00	1	07/08/2021 15:15	WG1701405
(S) o-Terphenyl	55.1		18.0-148		07/08/2021 15:15	WG1701405

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0333	1	07/08/2021 14:16	WG1701393
Acenaphthylene	ND		0.0333	1	07/08/2021 14:16	WG1701393
Anthracene	ND		0.0333	1	07/08/2021 14:16	WG1701393
Benzidine	ND		1.67	1	07/08/2021 14:16	WG1701393
Benzo(a)anthracene	ND		0.0333	1	07/08/2021 14:16	WG1701393
Benzo(b)fluoranthene	ND		0.0333	1	07/08/2021 14:16	WG1701393
Benzo(k)fluoranthene	ND		0.0333	1	07/08/2021 14:16	WG1701393

AUGER HOLE 5 12"-18"

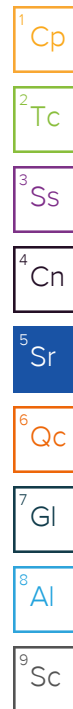
Collected date/time: 06/28/21 13:08

SAMPLE RESULTS - 19

L1373385

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzo(g,h,i)perylene	ND		0.0333	1	07/08/2021 14:16	WG1701393
Benzo(a)pyrene	ND		0.0333	1	07/08/2021 14:16	WG1701393
Bis(2-chloroethoxy)methane	ND		0.333	1	07/08/2021 14:16	WG1701393
Bis(2-chloroethyl)ether	ND		0.333	1	07/08/2021 14:16	WG1701393
2,2-Oxybis(1-Chloropropane)	ND		0.333	1	07/08/2021 14:16	WG1701393
4-Bromophenyl-phenylether	ND		0.333	1	07/08/2021 14:16	WG1701393
2-Chloronaphthalene	ND		0.0333	1	07/08/2021 14:16	WG1701393
4-Chlorophenyl-phenylether	ND		0.333	1	07/08/2021 14:16	WG1701393
Chrysene	ND		0.0333	1	07/08/2021 14:16	WG1701393
Dibenz(a,h)anthracene	ND		0.0333	1	07/08/2021 14:16	WG1701393
1,2-Dichlorobenzene	ND		0.333	1	07/08/2021 14:16	WG1701393
1,3-Dichlorobenzene	ND		0.333	1	07/08/2021 14:16	WG1701393
1,4-Dichlorobenzene	ND		0.333	1	07/08/2021 14:16	WG1701393
3,3-Dichlorobenzidine	ND		0.333	1	07/08/2021 14:16	WG1701393
2,4-Dinitrotoluene	ND		0.333	1	07/08/2021 14:16	WG1701393
2,6-Dinitrotoluene	ND		0.333	1	07/08/2021 14:16	WG1701393
Fluoranthene	ND		0.0333	1	07/08/2021 14:16	WG1701393
Fluorene	ND		0.0333	1	07/08/2021 14:16	WG1701393
Hexachlorobenzene	ND		0.333	1	07/08/2021 14:16	WG1701393
Hexachloro-1,3-butadiene	ND		0.333	1	07/08/2021 14:16	WG1701393
Hexachlorocyclopentadiene	ND		0.333	1	07/08/2021 14:16	WG1701393
Hexachloroethane	ND		0.333	1	07/08/2021 14:16	WG1701393
Indeno(1,2,3-cd)pyrene	ND		0.0333	1	07/08/2021 14:16	WG1701393
Isophorone	ND		0.333	1	07/08/2021 14:16	WG1701393
1-Methylnaphthalene	ND		0.0333	1	07/08/2021 14:16	WG1701393
2-Methylnaphthalene	ND		0.0333	1	07/08/2021 14:16	WG1701393
Naphthalene	ND		0.0333	1	07/08/2021 14:16	WG1701393
Nitrobenzene	ND		0.333	1	07/08/2021 14:16	WG1701393
n-Nitrosodimethylamine	ND		0.333	1	07/08/2021 14:16	WG1701393
n-Nitrosodiphenylamine	ND		0.333	1	07/08/2021 14:16	WG1701393
n-Nitrosodi-n-propylamine	ND		0.333	1	07/08/2021 14:16	WG1701393
Phenanthrene	ND		0.0333	1	07/08/2021 14:16	WG1701393
Benzylbutyl phthalate	ND		0.333	1	07/08/2021 14:16	WG1701393
Bis(2-ethylhexyl)phthalate	ND		0.333	1	07/08/2021 14:16	WG1701393
Di-n-butyl phthalate	ND		0.333	1	07/08/2021 14:16	WG1701393
Diethyl phthalate	ND		0.333	1	07/08/2021 14:16	WG1701393
Dimethyl phthalate	ND		0.333	1	07/08/2021 14:16	WG1701393
Di-n-octyl phthalate	ND		0.333	1	07/08/2021 14:16	WG1701393
Pyrene	ND		0.0333	1	07/08/2021 14:16	WG1701393
1,2,4-Trichlorobenzene	ND		0.333	1	07/08/2021 14:16	WG1701393
4-Chloro-3-methylphenol	ND		0.333	1	07/08/2021 14:16	WG1701393
2-Chlorophenol	ND		0.333	1	07/08/2021 14:16	WG1701393
2,4-Dichlorophenol	ND		0.333	1	07/08/2021 14:16	WG1701393
2,4-Dimethylphenol	ND		0.333	1	07/08/2021 14:16	WG1701393
4,6-Dinitro-2-methylphenol	ND		0.333	1	07/08/2021 14:16	WG1701393
2,4-Dinitrophenol	ND		0.333	1	07/08/2021 14:16	WG1701393
2-Nitrophenol	ND		0.333	1	07/08/2021 14:16	WG1701393
4-Nitrophenol	ND		0.333	1	07/08/2021 14:16	WG1701393
Pentachlorophenol	ND		0.333	1	07/08/2021 14:16	WG1701393
Phenol	ND		0.333	1	07/08/2021 14:16	WG1701393
2,4,6-Trichlorophenol	ND		0.333	1	07/08/2021 14:16	WG1701393
(S) 2-Fluorophenol	60.2		12.0-120		07/08/2021 14:16	WG1701393
(S) Phenol-d5	57.7		10.0-120		07/08/2021 14:16	WG1701393
(S) Nitrobenzene-d5	59.0		10.0-122		07/08/2021 14:16	WG1701393
(S) 2-Fluorobiphenyl	58.0		15.0-120		07/08/2021 14:16	WG1701393
(S) 2,4,6-Tribromophenol	60.8		10.0-127		07/08/2021 14:16	WG1701393



ACCOUNT:

Etech Environmental- Midland, TX

PROJECT:

14026

SDG:

L1373385

DATE/TIME:

08/13/21 09:27

PAGE:

85 of 158

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
(S) p-Terphenyl-d14	53.7		10.0-120		07/08/2021 14:16	WG1701393

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

AUGER HOLE 5 18"-24"

Collected date/time: 06/28/21 13:10

SAMPLE RESULTS - 20

L1373385

Wet Chemistry by Method 3060A/7196A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium,Hexavalent	ND		2.00	1	07/08/2021 20:37	WG1700138

Metals (ICP) by Method 6010B

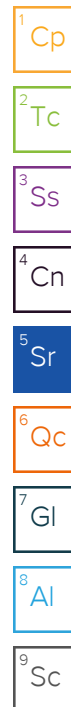
Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.67		2.00	1	07/08/2021 23:32	WG1699573
Barium	147		0.500	1	07/08/2021 23:32	WG1699573
Cadmium	ND		0.500	1	07/08/2021 23:32	WG1699573
Copper	11.1		2.00	1	07/08/2021 23:32	WG1699573
Lead	9.04		0.500	1	07/08/2021 23:32	WG1699573
Nickel	11.7		2.00	1	07/08/2021 23:32	WG1699573
Selenium	ND		2.00	1	07/08/2021 23:32	WG1699573
Silver	ND		1.00	1	07/08/2021 23:32	WG1699573
Zinc	33.9		5.00	1	07/08/2021 23:32	WG1699573

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	07/08/2021 18:46	WG1701777
(S) a,a,a-Trifluorotoluene(FID)	103		77.0-120		07/08/2021 18:46	WG1701777

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	07/06/2021 21:18	WG1700625
Acrylonitrile	ND		0.0125	1	07/06/2021 21:18	WG1700625
Benzene	ND		0.00100	1	07/06/2021 21:18	WG1700625
Bromobenzene	ND		0.0125	1	07/06/2021 21:18	WG1700625
Bromodichloromethane	ND		0.00250	1	07/06/2021 21:18	WG1700625
Bromoform	ND		0.0250	1	07/06/2021 21:18	WG1700625
Bromomethane	ND		0.0125	1	07/06/2021 21:18	WG1700625
n-Butylbenzene	ND		0.0125	1	07/06/2021 21:18	WG1700625
sec-Butylbenzene	ND		0.0125	1	07/06/2021 21:18	WG1700625
tert-Butylbenzene	ND		0.00500	1	07/06/2021 21:18	WG1700625
Carbon tetrachloride	ND		0.00500	1	07/06/2021 21:18	WG1700625
Chlorobenzene	ND		0.00250	1	07/06/2021 21:18	WG1700625
Chlorodibromomethane	ND		0.00250	1	07/06/2021 21:18	WG1700625
Chloroethane	ND		0.00500	1	07/06/2021 21:18	WG1700625
Chloroform	ND		0.00250	1	07/06/2021 21:18	WG1700625
Chloromethane	ND		0.0125	1	07/06/2021 21:18	WG1700625
2-Chlorotoluene	ND		0.00250	1	07/06/2021 21:18	WG1700625
4-Chlorotoluene	ND		0.00500	1	07/06/2021 21:18	WG1700625
1,2-Dibromo-3-Chloropropane	ND		0.0250	1	07/06/2021 21:18	WG1700625
1,2-Dibromoethane	ND		0.00250	1	07/06/2021 21:18	WG1700625
Dibromomethane	ND		0.00500	1	07/06/2021 21:18	WG1700625
1,2-Dichlorobenzene	ND		0.00500	1	07/06/2021 21:18	WG1700625
1,3-Dichlorobenzene	ND		0.00500	1	07/06/2021 21:18	WG1700625
1,4-Dichlorobenzene	ND		0.00500	1	07/06/2021 21:18	WG1700625
Dichlorodifluoromethane	ND		0.00250	1	07/06/2021 21:18	WG1700625
1,1-Dichloroethane	ND		0.00250	1	07/06/2021 21:18	WG1700625
1,2-Dichloroethane	ND		0.00250	1	07/06/2021 21:18	WG1700625
1,1-Dichloroethene	ND		0.00250	1	07/06/2021 21:18	WG1700625
cis-1,2-Dichloroethene	ND		0.00250	1	07/06/2021 21:18	WG1700625
trans-1,2-Dichloroethene	ND		0.00500	1	07/06/2021 21:18	WG1700625



AUGER HOLE 5 18"-24"

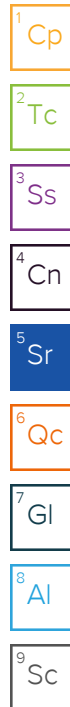
Collected date/time: 06/28/21 13:10

SAMPLE RESULTS - 20

L1373385

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	ND		0.00500	1	07/06/2021 21:18	WG1700625
1,1-Dichloropropene	ND		0.00250	1	07/06/2021 21:18	WG1700625
1,3-Dichloropropane	ND		0.00500	1	07/06/2021 21:18	WG1700625
cis-1,3-Dichloropropene	ND		0.00250	1	07/06/2021 21:18	WG1700625
trans-1,3-Dichloropropene	ND		0.00500	1	07/06/2021 21:18	WG1700625
2,2-Dichloropropane	ND		0.00250	1	07/06/2021 21:18	WG1700625
Di-isopropyl ether	ND		0.00100	1	07/06/2021 21:18	WG1700625
Ethylbenzene	ND		0.00250	1	07/06/2021 21:18	WG1700625
Hexachloro-1,3-butadiene	ND		0.0250	1	07/06/2021 21:18	WG1700625
Isopropylbenzene	ND		0.00250	1	07/06/2021 21:18	WG1700625
p-Isopropyltoluene	ND		0.00500	1	07/06/2021 21:18	WG1700625
2-Butanone (MEK)	ND		0.100	1	07/06/2021 21:18	WG1700625
Methylene Chloride	ND		0.0250	1	07/06/2021 21:18	WG1700625
4-Methyl-2-pentanone (MIBK)	ND		0.0250	1	07/06/2021 21:18	WG1700625
Methyl tert-butyl ether	ND		0.00100	1	07/06/2021 21:18	WG1700625
Naphthalene	ND	J4	0.0125	1	07/06/2021 21:18	WG1700625
n-Propylbenzene	ND		0.00500	1	07/06/2021 21:18	WG1700625
Styrene	ND		0.0125	1	07/06/2021 21:18	WG1700625
1,1,1,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 21:18	WG1700625
1,1,2,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 21:18	WG1700625
1,1,2-Trichlorotrifluoroethane	ND		0.00250	1	07/06/2021 21:18	WG1700625
Tetrachloroethene	ND		0.00250	1	07/06/2021 21:18	WG1700625
Toluene	ND		0.00500	1	07/06/2021 21:18	WG1700625
1,2,3-Trichlorobenzene	ND		0.0125	1	07/06/2021 21:18	WG1700625
1,2,4-Trichlorobenzene	ND		0.0125	1	07/06/2021 21:18	WG1700625
1,1,1-Trichloroethane	ND		0.00250	1	07/06/2021 21:18	WG1700625
1,1,2-Trichloroethane	ND		0.00250	1	07/06/2021 21:18	WG1700625
Trichloroethene	ND		0.00100	1	07/06/2021 21:18	WG1700625
Trichlorofluoromethane	ND		0.00250	1	07/06/2021 21:18	WG1700625
1,2,3-Trichloropropane	ND		0.0125	1	07/06/2021 21:18	WG1700625
1,2,4-Trimethylbenzene	ND		0.00500	1	07/06/2021 21:18	WG1700625
1,2,3-Trimethylbenzene	ND		0.00500	1	07/06/2021 21:18	WG1700625
Vinyl chloride	ND		0.00250	1	07/06/2021 21:18	WG1700625
1,3,5-Trimethylbenzene	ND		0.00500	1	07/06/2021 21:18	WG1700625
Xylenes, Total	ND		0.00650	1	07/06/2021 21:18	WG1700625
(S) Toluene-d8	101		75.0-131		07/06/2021 21:18	WG1700625
(S) 4-Bromofluorobenzene	99.2		67.0-138		07/06/2021 21:18	WG1700625
(S) 1,2-Dichloroethane-d4	102		70.0-130		07/06/2021 21:18	WG1700625



Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	ND		4.00	1	07/08/2021 15:56	WG1701405
(S) o-Terphenyl	51.6		18.0-148		07/08/2021 15:56	WG1701405

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0333	1	07/08/2021 13:14	WG1701393
Acenaphthylene	ND		0.0333	1	07/08/2021 13:14	WG1701393
Anthracene	ND		0.0333	1	07/08/2021 13:14	WG1701393
Benzidine	ND		1.67	1	07/08/2021 13:14	WG1701393
Benzo(a)anthracene	ND		0.0333	1	07/08/2021 13:14	WG1701393
Benzo(b)fluoranthene	ND		0.0333	1	07/08/2021 13:14	WG1701393
Benzo(k)fluoranthene	ND		0.0333	1	07/08/2021 13:14	WG1701393

AUGER HOLE 5 18"-24"

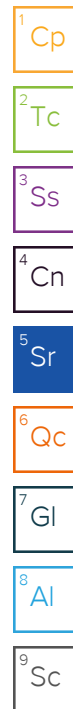
Collected date/time: 06/28/21 13:10

SAMPLE RESULTS - 20

L1373385

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzo(g,h,i)perylene	ND		0.0333	1	07/08/2021 13:14	WG1701393
Benzo(a)pyrene	ND		0.0333	1	07/08/2021 13:14	WG1701393
Bis(2-chlorethoxy)methane	ND		0.333	1	07/08/2021 13:14	WG1701393
Bis(2-chloroethyl)ether	ND		0.333	1	07/08/2021 13:14	WG1701393
2,2-Oxybis(1-Chloropropane)	ND		0.333	1	07/08/2021 13:14	WG1701393
4-Bromophenyl-phenylether	ND		0.333	1	07/08/2021 13:14	WG1701393
2-Chloronaphthalene	ND		0.0333	1	07/08/2021 13:14	WG1701393
4-Chlorophenyl-phenylether	ND		0.333	1	07/08/2021 13:14	WG1701393
Chrysene	ND		0.0333	1	07/08/2021 13:14	WG1701393
Dibenz(a,h)anthracene	ND		0.0333	1	07/08/2021 13:14	WG1701393
1,2-Dichlorobenzene	ND		0.333	1	07/08/2021 13:14	WG1701393
1,3-Dichlorobenzene	ND		0.333	1	07/08/2021 13:14	WG1701393
1,4-Dichlorobenzene	ND		0.333	1	07/08/2021 13:14	WG1701393
3,3-Dichlorobenzidine	ND		0.333	1	07/08/2021 13:14	WG1701393
2,4-Dinitrotoluene	ND		0.333	1	07/08/2021 13:14	WG1701393
2,6-Dinitrotoluene	ND		0.333	1	07/08/2021 13:14	WG1701393
Fluoranthene	ND		0.0333	1	07/08/2021 13:14	WG1701393
Fluorene	ND		0.0333	1	07/08/2021 13:14	WG1701393
Hexachlorobenzene	ND		0.333	1	07/08/2021 13:14	WG1701393
Hexachloro-1,3-butadiene	ND		0.333	1	07/08/2021 13:14	WG1701393
Hexachlorocyclopentadiene	ND		0.333	1	07/08/2021 13:14	WG1701393
Hexachloroethane	ND		0.333	1	07/08/2021 13:14	WG1701393
Indeno(1,2,3-cd)pyrene	ND		0.0333	1	07/08/2021 13:14	WG1701393
Isophorone	ND		0.333	1	07/08/2021 13:14	WG1701393
1-Methylnaphthalene	ND		0.0333	1	07/08/2021 13:14	WG1701393
2-Methylnaphthalene	ND		0.0333	1	07/08/2021 13:14	WG1701393
Naphthalene	ND		0.0333	1	07/08/2021 13:14	WG1701393
Nitrobenzene	ND		0.333	1	07/08/2021 13:14	WG1701393
n-Nitrosodimethylamine	ND		0.333	1	07/08/2021 13:14	WG1701393
n-Nitrosodiphenylamine	ND		0.333	1	07/08/2021 13:14	WG1701393
n-Nitrosodi-n-propylamine	ND		0.333	1	07/08/2021 13:14	WG1701393
Phenanthrene	ND		0.0333	1	07/08/2021 13:14	WG1701393
Benzylbutyl phthalate	ND		0.333	1	07/08/2021 13:14	WG1701393
Bis(2-ethylhexyl)phthalate	ND		0.333	1	07/08/2021 13:14	WG1701393
Di-n-butyl phthalate	ND		0.333	1	07/08/2021 13:14	WG1701393
Diethyl phthalate	ND		0.333	1	07/08/2021 13:14	WG1701393
Dimethyl phthalate	ND		0.333	1	07/08/2021 13:14	WG1701393
Di-n-octyl phthalate	ND		0.333	1	07/08/2021 13:14	WG1701393
Pyrene	ND		0.0333	1	07/08/2021 13:14	WG1701393
1,2,4-Trichlorobenzene	ND		0.333	1	07/08/2021 13:14	WG1701393
4-Chloro-3-methylphenol	ND		0.333	1	07/08/2021 13:14	WG1701393
2-Chlorophenol	ND		0.333	1	07/08/2021 13:14	WG1701393
2,4-Dichlorophenol	ND		0.333	1	07/08/2021 13:14	WG1701393
2,4-Dimethylphenol	ND		0.333	1	07/08/2021 13:14	WG1701393
4,6-Dinitro-2-methylphenol	ND		0.333	1	07/08/2021 13:14	WG1701393
2,4-Dinitrophenol	ND		0.333	1	07/08/2021 13:14	WG1701393
2-Nitrophenol	ND		0.333	1	07/08/2021 13:14	WG1701393
4-Nitrophenol	ND		0.333	1	07/08/2021 13:14	WG1701393
Pentachlorophenol	ND		0.333	1	07/08/2021 13:14	WG1701393
Phenol	ND		0.333	1	07/08/2021 13:14	WG1701393
2,4,6-Trichlorophenol	ND		0.333	1	07/08/2021 13:14	WG1701393
(S) 2-Fluorophenol	52.6		12.0-120		07/08/2021 13:14	WG1701393
(S) Phenol-d5	52.3		10.0-120		07/08/2021 13:14	WG1701393
(S) Nitrobenzene-d5	54.0		10.0-122		07/08/2021 13:14	WG1701393
(S) 2-Fluorobiphenyl	53.7		15.0-120		07/08/2021 13:14	WG1701393
(S) 2,4,6-Tribromophenol	58.8		10.0-127		07/08/2021 13:14	WG1701393



Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
(S) p-Terphenyl-d14	49.4		10.0-120		07/08/2021 13:14	WG1701393

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

AUGER HOLE 6 0-6"

Collected date/time: 06/28/21 13:08

SAMPLE RESULTS - 21

L1373385

Wet Chemistry by Method 3060A/7196A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium,Hexavalent	ND		2.00	1	07/08/2021 20:37	WG1700138

Metals (ICP) by Method 6010B

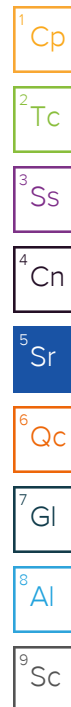
Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.17		2.00	1	07/08/2021 23:35	WG1699573
Barium	86.8		0.500	1	07/08/2021 23:35	WG1699573
Cadmium	ND		0.500	1	07/08/2021 23:35	WG1699573
Copper	7.84		2.00	1	07/08/2021 23:35	WG1699573
Lead	7.18		0.500	1	07/08/2021 23:35	WG1699573
Nickel	8.28		2.00	1	07/08/2021 23:35	WG1699573
Selenium	ND		2.00	1	07/08/2021 23:35	WG1699573
Silver	ND		1.00	1	07/08/2021 23:35	WG1699573
Zinc	22.4		5.00	1	07/08/2021 23:35	WG1699573

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	07/08/2021 19:08	WG1701777
(S) a,a,a-Trifluorotoluene(FID)	103		77.0-120		07/08/2021 19:08	WG1701777

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	07/06/2021 21:38	WG1700625
Acrylonitrile	ND		0.0125	1	07/06/2021 21:38	WG1700625
Benzene	ND	J3	0.00100	1	07/06/2021 21:38	WG1700625
Bromobenzene	ND		0.0125	1	07/06/2021 21:38	WG1700625
Bromodichloromethane	ND		0.00250	1	07/06/2021 21:38	WG1700625
Bromoform	ND		0.0250	1	07/06/2021 21:38	WG1700625
Bromomethane	ND	J3	0.0125	1	07/06/2021 21:38	WG1700625
n-Butylbenzene	ND		0.0125	1	07/06/2021 21:38	WG1700625
sec-Butylbenzene	ND	J3	0.0125	1	07/06/2021 21:38	WG1700625
tert-Butylbenzene	ND	J3	0.00500	1	07/06/2021 21:38	WG1700625
Carbon tetrachloride	ND	J3	0.00500	1	07/06/2021 21:38	WG1700625
Chlorobenzene	ND	J3	0.00250	1	07/06/2021 21:38	WG1700625
Chlorodibromomethane	ND		0.00250	1	07/06/2021 21:38	WG1700625
Chloroethane	ND	J3	0.00500	1	07/06/2021 21:38	WG1700625
Chloroform	ND	J3	0.00250	1	07/06/2021 21:38	WG1700625
Chloromethane	ND	J3	0.0125	1	07/06/2021 21:38	WG1700625
2-Chlorotoluene	ND	J3	0.00250	1	07/06/2021 21:38	WG1700625
4-Chlorotoluene	ND	J3	0.00500	1	07/06/2021 21:38	WG1700625
1,2-Dibromo-3-Chloropropane	ND		0.0250	1	07/06/2021 21:38	WG1700625
1,2-Dibromoethane	ND		0.00250	1	07/06/2021 21:38	WG1700625
Dibromomethane	ND		0.00500	1	07/06/2021 21:38	WG1700625
1,2-Dichlorobenzene	ND		0.00500	1	07/06/2021 21:38	WG1700625
1,3-Dichlorobenzene	ND		0.00500	1	07/06/2021 21:38	WG1700625
1,4-Dichlorobenzene	ND		0.00500	1	07/06/2021 21:38	WG1700625
Dichlorodifluoromethane	ND	J3	0.00250	1	07/06/2021 21:38	WG1700625
1,1-Dichloroethane	ND	J3	0.00250	1	07/06/2021 21:38	WG1700625
1,2-Dichloroethane	ND		0.00250	1	07/06/2021 21:38	WG1700625
1,1-Dichloroethene	ND	J3	0.00250	1	07/06/2021 21:38	WG1700625
cis-1,2-Dichloroethene	ND	J3	0.00250	1	07/06/2021 21:38	WG1700625
trans-1,2-Dichloroethene	ND	J3	0.00500	1	07/06/2021 21:38	WG1700625



AUGER HOLE 6 0-6"

Collected date/time: 06/28/21 13:08

SAMPLE RESULTS - 21

L1373385

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	ND	J3	0.00500	1	07/06/2021 21:38	WG1700625
1,1-Dichloropropene	ND	J3	0.00250	1	07/06/2021 21:38	WG1700625
1,3-Dichloropropane	ND		0.00500	1	07/06/2021 21:38	WG1700625
cis-1,3-Dichloropropene	ND		0.00250	1	07/06/2021 21:38	WG1700625
trans-1,3-Dichloropropene	ND		0.00500	1	07/06/2021 21:38	WG1700625
2,2-Dichloropropane	ND	J3	0.00250	1	07/06/2021 21:38	WG1700625
Di-isopropyl ether	ND		0.00100	1	07/06/2021 21:38	WG1700625
Ethylbenzene	ND	J3	0.00250	1	07/06/2021 21:38	WG1700625
Hexachloro-1,3-butadiene	ND	J3	0.0250	1	07/06/2021 21:38	WG1700625
Isopropylbenzene	ND	J3	0.00250	1	07/06/2021 21:38	WG1700625
p-Isopropyltoluene	ND	J3	0.00500	1	07/06/2021 21:38	WG1700625
2-Butanone (MEK)	ND		0.100	1	07/06/2021 21:38	WG1700625
Methylene Chloride	ND	J3	0.0250	1	07/06/2021 21:38	WG1700625
4-Methyl-2-pentanone (MIBK)	ND		0.0250	1	07/06/2021 21:38	WG1700625
Methyl tert-butyl ether	ND		0.00100	1	07/06/2021 21:38	WG1700625
Naphthalene	ND	J3 J4 J5	0.0125	1	07/06/2021 21:38	WG1700625
n-Propylbenzene	ND	J3	0.00500	1	07/06/2021 21:38	WG1700625
Styrene	ND		0.0125	1	07/06/2021 21:38	WG1700625
1,1,1,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 21:38	WG1700625
1,1,2,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 21:38	WG1700625
1,1,2-Trichlorotrifluoroethane	ND	J3	0.00250	1	07/06/2021 21:38	WG1700625
Tetrachloroethene	ND	J3	0.00250	1	07/06/2021 21:38	WG1700625
Toluene	ND	J3	0.00500	1	07/06/2021 21:38	WG1700625
1,2,3-Trichlorobenzene	ND		0.0125	1	07/06/2021 21:38	WG1700625
1,2,4-Trichlorobenzene	ND		0.0125	1	07/06/2021 21:38	WG1700625
1,1,1-Trichloroethane	ND	J3	0.00250	1	07/06/2021 21:38	WG1700625
1,1,2-Trichloroethane	ND		0.00250	1	07/06/2021 21:38	WG1700625
Trichloroethene	ND	J3	0.00100	1	07/06/2021 21:38	WG1700625
Trichlorofluoromethane	ND	J3	0.00250	1	07/06/2021 21:38	WG1700625
1,2,3-Trichloropropane	ND		0.0125	1	07/06/2021 21:38	WG1700625
1,2,4-Trimethylbenzene	ND		0.00500	1	07/06/2021 21:38	WG1700625
1,2,3-Trimethylbenzene	ND		0.00500	1	07/06/2021 21:38	WG1700625
Vinyl chloride	ND	J3	0.00250	1	07/06/2021 21:38	WG1700625
1,3,5-Trimethylbenzene	ND		0.00500	1	07/06/2021 21:38	WG1700625
Xylenes, Total	ND	J3	0.00650	1	07/06/2021 21:38	WG1700625
(S) Toluene-d8	97.8		75.0-131		07/06/2021 21:38	WG1700625
(S) 4-Bromofluorobenzene	102		67.0-138		07/06/2021 21:38	WG1700625
(S) 1,2-Dichloroethane-d4	102		70.0-130		07/06/2021 21:38	WG1700625

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	5.50		4.00	1	07/08/2021 16:51	WG1701405
(S) o-Terphenyl	85.5		18.0-148		07/08/2021 16:51	WG1701405

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0333	1	07/08/2021 18:45	WG1701393
Acenaphthylene	ND		0.0333	1	07/08/2021 18:45	WG1701393
Anthracene	ND		0.0333	1	07/08/2021 18:45	WG1701393
Benzidine	ND		1.67	1	07/08/2021 18:45	WG1701393
Benzo(a)anthracene	ND		0.0333	1	07/08/2021 18:45	WG1701393
Benzo(b)fluoranthene	ND		0.0333	1	07/08/2021 18:45	WG1701393
Benzo(k)fluoranthene	ND		0.0333	1	07/08/2021 18:45	WG1701393

ACCOUNT:

Etech Environmental- Midland, TX

PROJECT:

14026

SDG:

L1373385

DATE/TIME:

08/13/21 09:27

PAGE:

92 of 158

AUGER HOLE 6 0-6"

Collected date/time: 06/28/21 13:08

SAMPLE RESULTS - 21

L1373385

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzo(g,h,i)perylene	ND		0.0333	1	07/08/2021 18:45	WG1701393
Benzo(a)pyrene	ND		0.0333	1	07/08/2021 18:45	WG1701393
Bis(2-chloroethoxy)methane	ND		0.333	1	07/08/2021 18:45	WG1701393
Bis(2-chloroethyl)ether	ND		0.333	1	07/08/2021 18:45	WG1701393
2,2-Oxybis(1-Chloropropane)	ND		0.333	1	07/08/2021 18:45	WG1701393
4-Bromophenyl-phenylether	ND		0.333	1	07/08/2021 18:45	WG1701393
2-Chloronaphthalene	ND		0.0333	1	07/08/2021 18:45	WG1701393
4-Chlorophenyl-phenylether	ND		0.333	1	07/08/2021 18:45	WG1701393
Chrysene	ND		0.0333	1	07/08/2021 18:45	WG1701393
Dibenz(a,h)anthracene	ND		0.0333	1	07/08/2021 18:45	WG1701393
1,2-Dichlorobenzene	ND		0.333	1	07/08/2021 18:45	WG1701393
1,3-Dichlorobenzene	ND		0.333	1	07/08/2021 18:45	WG1701393
1,4-Dichlorobenzene	ND		0.333	1	07/08/2021 18:45	WG1701393
3,3-Dichlorobenzidine	ND		0.333	1	07/08/2021 18:45	WG1701393
2,4-Dinitrotoluene	ND		0.333	1	07/08/2021 18:45	WG1701393
2,6-Dinitrotoluene	ND		0.333	1	07/08/2021 18:45	WG1701393
Fluoranthene	ND		0.0333	1	07/08/2021 18:45	WG1701393
Fluorene	ND		0.0333	1	07/08/2021 18:45	WG1701393
Hexachlorobenzene	ND		0.333	1	07/08/2021 18:45	WG1701393
Hexachloro-1,3-butadiene	ND		0.333	1	07/08/2021 18:45	WG1701393
Hexachlorocyclopentadiene	ND		0.333	1	07/08/2021 18:45	WG1701393
Hexachloroethane	ND		0.333	1	07/08/2021 18:45	WG1701393
Indeno(1,2,3-cd)pyrene	ND		0.0333	1	07/08/2021 18:45	WG1701393
Isophorone	ND		0.333	1	07/08/2021 18:45	WG1701393
1-Methylnaphthalene	ND		0.0333	1	07/08/2021 18:45	WG1701393
2-Methylnaphthalene	ND		0.0333	1	07/08/2021 18:45	WG1701393
Naphthalene	ND		0.0333	1	07/08/2021 18:45	WG1701393
Nitrobenzene	ND		0.333	1	07/08/2021 18:45	WG1701393
n-Nitrosodimethylamine	ND		0.333	1	07/08/2021 18:45	WG1701393
n-Nitrosodiphenylamine	ND		0.333	1	07/08/2021 18:45	WG1701393
n-Nitrosodi-n-propylamine	ND		0.333	1	07/08/2021 18:45	WG1701393
Phenanthrene	ND		0.0333	1	07/08/2021 18:45	WG1701393
Benzylbutyl phthalate	ND		0.333	1	07/08/2021 18:45	WG1701393
Bis(2-ethylhexyl)phthalate	ND		0.333	1	07/08/2021 18:45	WG1701393
Di-n-butyl phthalate	ND		0.333	1	07/08/2021 18:45	WG1701393
Diethyl phthalate	ND		0.333	1	07/08/2021 18:45	WG1701393
Dimethyl phthalate	ND		0.333	1	07/08/2021 18:45	WG1701393
Di-n-octyl phthalate	ND		0.333	1	07/08/2021 18:45	WG1701393
Pyrene	ND		0.0333	1	07/08/2021 18:45	WG1701393
1,2,4-Trichlorobenzene	ND		0.333	1	07/08/2021 18:45	WG1701393
4-Chloro-3-methylphenol	ND		0.333	1	07/08/2021 18:45	WG1701393
2-Chlorophenol	ND		0.333	1	07/08/2021 18:45	WG1701393
2,4-Dichlorophenol	ND		0.333	1	07/08/2021 18:45	WG1701393
2,4-Dimethylphenol	ND		0.333	1	07/08/2021 18:45	WG1701393
4,6-Dinitro-2-methylphenol	ND		0.333	1	07/08/2021 18:45	WG1701393
2,4-Dinitrophenol	ND		0.333	1	07/08/2021 18:45	WG1701393
2-Nitrophenol	ND		0.333	1	07/08/2021 18:45	WG1701393
4-Nitrophenol	ND		0.333	1	07/08/2021 18:45	WG1701393
Pentachlorophenol	ND		0.333	1	07/08/2021 18:45	WG1701393
Phenol	ND		0.333	1	07/08/2021 18:45	WG1701393
2,4,6-Trichlorophenol	ND		0.333	1	07/08/2021 18:45	WG1701393
(S) 2-Fluorophenol	59.2		12.0-120		07/08/2021 18:45	WG1701393
(S) Phenol-d5	57.7		10.0-120		07/08/2021 18:45	WG1701393
(S) Nitrobenzene-d5	61.0		10.0-122		07/08/2021 18:45	WG1701393
(S) 2-Fluorobiphenyl	61.6		15.0-120		07/08/2021 18:45	WG1701393
(S) 2,4,6-Tribromophenol	63.6		10.0-127		07/08/2021 18:45	WG1701393

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
(S) p-Terphenyl-d14	55.0		10.0-120		07/08/2021 18:45	WG1701393

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

AUGER HOLE 6 6"-12"

Collected date/time: 06/28/21 13:10

SAMPLE RESULTS - 22

L1373385

Wet Chemistry by Method 3060A/7196A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium,Hexavalent	ND		2.00	1	07/08/2021 20:38	WG1700138

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.72		2.00	1	07/08/2021 23:43	WG1699573
Barium	88.7		0.500	1	07/08/2021 23:43	WG1699573
Cadmium	ND		0.500	1	07/08/2021 23:43	WG1699573
Copper	7.73		2.00	1	07/08/2021 23:43	WG1699573
Lead	6.84		0.500	1	07/08/2021 23:43	WG1699573
Nickel	8.15		2.00	1	07/08/2021 23:43	WG1699573
Selenium	ND		2.00	1	07/08/2021 23:43	WG1699573
Silver	ND		1.00	1	07/08/2021 23:43	WG1699573
Zinc	22.0		5.00	1	07/08/2021 23:43	WG1699573

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	07/08/2021 19:29	WG1701777
(S) a,a,a-Trifluorotoluene(FID)	104		77.0-120		07/08/2021 19:29	WG1701777

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	07/06/2021 21:57	WG1700625
Acrylonitrile	ND		0.0125	1	07/06/2021 21:57	WG1700625
Benzene	ND		0.00100	1	07/06/2021 21:57	WG1700625
Bromobenzene	ND		0.0125	1	07/06/2021 21:57	WG1700625
Bromodichloromethane	ND		0.00250	1	07/06/2021 21:57	WG1700625
Bromoform	ND		0.0250	1	07/06/2021 21:57	WG1700625
Bromomethane	ND		0.0125	1	07/06/2021 21:57	WG1700625
n-Butylbenzene	ND		0.0125	1	07/06/2021 21:57	WG1700625
sec-Butylbenzene	ND		0.0125	1	07/06/2021 21:57	WG1700625
tert-Butylbenzene	ND		0.00500	1	07/06/2021 21:57	WG1700625
Carbon tetrachloride	ND		0.00500	1	07/06/2021 21:57	WG1700625
Chlorobenzene	ND		0.00250	1	07/06/2021 21:57	WG1700625
Chlorodibromomethane	ND		0.00250	1	07/06/2021 21:57	WG1700625
Chloroethane	ND		0.00500	1	07/06/2021 21:57	WG1700625
Chloroform	ND		0.00250	1	07/06/2021 21:57	WG1700625
Chloromethane	ND		0.0125	1	07/06/2021 21:57	WG1700625
2-Chlorotoluene	ND		0.00250	1	07/06/2021 21:57	WG1700625
4-Chlorotoluene	ND		0.00500	1	07/06/2021 21:57	WG1700625
1,2-Dibromo-3-Chloropropane	ND		0.0250	1	07/06/2021 21:57	WG1700625
1,2-Dibromoethane	ND		0.00250	1	07/06/2021 21:57	WG1700625
Dibromomethane	ND		0.00500	1	07/06/2021 21:57	WG1700625
1,2-Dichlorobenzene	ND		0.00500	1	07/06/2021 21:57	WG1700625
1,3-Dichlorobenzene	ND		0.00500	1	07/06/2021 21:57	WG1700625
1,4-Dichlorobenzene	ND		0.00500	1	07/06/2021 21:57	WG1700625
Dichlorodifluoromethane	ND		0.00250	1	07/06/2021 21:57	WG1700625
1,1-Dichloroethane	ND		0.00250	1	07/06/2021 21:57	WG1700625
1,2-Dichloroethane	ND		0.00250	1	07/06/2021 21:57	WG1700625
1,1-Dichloroethene	ND		0.00250	1	07/06/2021 21:57	WG1700625
cis-1,2-Dichloroethene	ND		0.00250	1	07/06/2021 21:57	WG1700625
trans-1,2-Dichloroethene	ND		0.00500	1	07/06/2021 21:57	WG1700625

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

AUGER HOLE 6 6"-12"

Collected date/time: 06/28/21 13:10

SAMPLE RESULTS - 22

L1373385

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	ND		0.00500	1	07/06/2021 21:57	WG1700625
1,1-Dichloropropene	ND		0.00250	1	07/06/2021 21:57	WG1700625
1,3-Dichloropropane	ND		0.00500	1	07/06/2021 21:57	WG1700625
cis-1,3-Dichloropropene	ND		0.00250	1	07/06/2021 21:57	WG1700625
trans-1,3-Dichloropropene	ND		0.00500	1	07/06/2021 21:57	WG1700625
2,2-Dichloropropane	ND		0.00250	1	07/06/2021 21:57	WG1700625
Di-isopropyl ether	ND		0.00100	1	07/06/2021 21:57	WG1700625
Ethylbenzene	ND		0.00250	1	07/06/2021 21:57	WG1700625
Hexachloro-1,3-butadiene	ND		0.0250	1	07/06/2021 21:57	WG1700625
Isopropylbenzene	ND		0.00250	1	07/06/2021 21:57	WG1700625
p-Isopropyltoluene	ND		0.00500	1	07/06/2021 21:57	WG1700625
2-Butanone (MEK)	ND		0.100	1	07/06/2021 21:57	WG1700625
Methylene Chloride	ND		0.0250	1	07/06/2021 21:57	WG1700625
4-Methyl-2-pentanone (MIBK)	ND		0.0250	1	07/06/2021 21:57	WG1700625
Methyl tert-butyl ether	ND		0.00100	1	07/06/2021 21:57	WG1700625
Naphthalene	ND	J4	0.0125	1	07/06/2021 21:57	WG1700625
n-Propylbenzene	ND		0.00500	1	07/06/2021 21:57	WG1700625
Styrene	ND		0.0125	1	07/06/2021 21:57	WG1700625
1,1,1,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 21:57	WG1700625
1,1,2,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 21:57	WG1700625
1,1,2-Trichlorotrifluoroethane	ND		0.00250	1	07/06/2021 21:57	WG1700625
Tetrachloroethene	ND		0.00250	1	07/06/2021 21:57	WG1700625
Toluene	ND		0.00500	1	07/06/2021 21:57	WG1700625
1,2,3-Trichlorobenzene	ND		0.0125	1	07/06/2021 21:57	WG1700625
1,2,4-Trichlorobenzene	ND		0.0125	1	07/06/2021 21:57	WG1700625
1,1,1-Trichloroethane	ND		0.00250	1	07/06/2021 21:57	WG1700625
1,1,2-Trichloroethane	ND		0.00250	1	07/06/2021 21:57	WG1700625
Trichloroethene	ND		0.00100	1	07/06/2021 21:57	WG1700625
Trichlorofluoromethane	ND		0.00250	1	07/06/2021 21:57	WG1700625
1,2,3-Trichloropropane	ND		0.0125	1	07/06/2021 21:57	WG1700625
1,2,4-Trimethylbenzene	ND		0.00500	1	07/06/2021 21:57	WG1700625
1,2,3-Trimethylbenzene	ND		0.00500	1	07/06/2021 21:57	WG1700625
Vinyl chloride	ND		0.00250	1	07/06/2021 21:57	WG1700625
1,3,5-Trimethylbenzene	ND		0.00500	1	07/06/2021 21:57	WG1700625
Xylenes, Total	ND		0.00650	1	07/06/2021 21:57	WG1700625
(S) Toluene-d8	98.3		75.0-131		07/06/2021 21:57	WG1700625
(S) 4-Bromofluorobenzene	98.9		67.0-138		07/06/2021 21:57	WG1700625
(S) 1,2-Dichloroethane-d4	99.4		70.0-130		07/06/2021 21:57	WG1700625

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	ND		4.00	1	07/08/2021 15:29	WG1701405
(S) o-Terphenyl	62.9		18.0-148		07/08/2021 15:29	WG1701405

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0333	1	07/08/2021 15:39	WG1701393
Acenaphthylene	ND		0.0333	1	07/08/2021 15:39	WG1701393
Anthracene	ND		0.0333	1	07/08/2021 15:39	WG1701393
Benzidine	ND		1.67	1	07/08/2021 15:39	WG1701393
Benzo(a)anthracene	ND		0.0333	1	07/08/2021 15:39	WG1701393
Benzo(b)fluoranthene	ND		0.0333	1	07/08/2021 15:39	WG1701393
Benzo(k)fluoranthene	ND		0.0333	1	07/08/2021 15:39	WG1701393

AUGER HOLE 6 6"-12"

Collected date/time: 06/28/21 13:10

SAMPLE RESULTS - 22

L1373385

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzo(g,h,i)perylene	ND		0.0333	1	07/08/2021 15:39	WG1701393
Benzo(a)pyrene	ND		0.0333	1	07/08/2021 15:39	WG1701393
Bis(2-chloroethoxy)methane	ND		0.333	1	07/08/2021 15:39	WG1701393
Bis(2-chloroethyl)ether	ND		0.333	1	07/08/2021 15:39	WG1701393
2,2-Oxybis(1-Chloropropane)	ND		0.333	1	07/08/2021 15:39	WG1701393
4-Bromophenyl-phenylether	ND		0.333	1	07/08/2021 15:39	WG1701393
2-Chloronaphthalene	ND		0.0333	1	07/08/2021 15:39	WG1701393
4-Chlorophenyl-phenylether	ND		0.333	1	07/08/2021 15:39	WG1701393
Chrysene	ND		0.0333	1	07/08/2021 15:39	WG1701393
Dibenz(a,h)anthracene	ND		0.0333	1	07/08/2021 15:39	WG1701393
1,2-Dichlorobenzene	ND		0.333	1	07/08/2021 15:39	WG1701393
1,3-Dichlorobenzene	ND		0.333	1	07/08/2021 15:39	WG1701393
1,4-Dichlorobenzene	ND		0.333	1	07/08/2021 15:39	WG1701393
3,3-Dichlorobenzidine	ND		0.333	1	07/08/2021 15:39	WG1701393
2,4-Dinitrotoluene	ND		0.333	1	07/08/2021 15:39	WG1701393
2,6-Dinitrotoluene	ND		0.333	1	07/08/2021 15:39	WG1701393
Fluoranthene	ND		0.0333	1	07/08/2021 15:39	WG1701393
Fluorene	ND		0.0333	1	07/08/2021 15:39	WG1701393
Hexachlorobenzene	ND		0.333	1	07/08/2021 15:39	WG1701393
Hexachloro-1,3-butadiene	ND		0.333	1	07/08/2021 15:39	WG1701393
Hexachlorocyclopentadiene	ND		0.333	1	07/08/2021 15:39	WG1701393
Hexachloroethane	ND		0.333	1	07/08/2021 15:39	WG1701393
Indeno(1,2,3-cd)pyrene	ND		0.0333	1	07/08/2021 15:39	WG1701393
Isophorone	ND		0.333	1	07/08/2021 15:39	WG1701393
1-Methylnaphthalene	ND		0.0333	1	07/08/2021 15:39	WG1701393
2-Methylnaphthalene	ND		0.0333	1	07/08/2021 15:39	WG1701393
Naphthalene	ND		0.0333	1	07/08/2021 15:39	WG1701393
Nitrobenzene	ND		0.333	1	07/08/2021 15:39	WG1701393
n-Nitrosodimethylamine	ND		0.333	1	07/08/2021 15:39	WG1701393
n-Nitrosodiphenylamine	ND		0.333	1	07/08/2021 15:39	WG1701393
n-Nitrosodi-n-propylamine	ND		0.333	1	07/08/2021 15:39	WG1701393
Phenanthrene	ND		0.0333	1	07/08/2021 15:39	WG1701393
Benzylbutyl phthalate	ND		0.333	1	07/08/2021 15:39	WG1701393
Bis(2-ethylhexyl)phthalate	ND		0.333	1	07/08/2021 15:39	WG1701393
Di-n-butyl phthalate	ND		0.333	1	07/08/2021 15:39	WG1701393
Diethyl phthalate	ND		0.333	1	07/08/2021 15:39	WG1701393
Dimethyl phthalate	ND		0.333	1	07/08/2021 15:39	WG1701393
Di-n-octyl phthalate	ND		0.333	1	07/08/2021 15:39	WG1701393
Pyrene	ND		0.0333	1	07/08/2021 15:39	WG1701393
1,2,4-Trichlorobenzene	ND		0.333	1	07/08/2021 15:39	WG1701393
4-Chloro-3-methylphenol	ND		0.333	1	07/08/2021 15:39	WG1701393
2-Chlorophenol	ND		0.333	1	07/08/2021 15:39	WG1701393
2,4-Dichlorophenol	ND		0.333	1	07/08/2021 15:39	WG1701393
2,4-Dimethylphenol	ND		0.333	1	07/08/2021 15:39	WG1701393
4,6-Dinitro-2-methylphenol	ND		0.333	1	07/08/2021 15:39	WG1701393
2,4-Dinitrophenol	ND		0.333	1	07/08/2021 15:39	WG1701393
2-Nitrophenol	ND		0.333	1	07/08/2021 15:39	WG1701393
4-Nitrophenol	ND		0.333	1	07/08/2021 15:39	WG1701393
Pentachlorophenol	ND		0.333	1	07/08/2021 15:39	WG1701393
Phenol	ND		0.333	1	07/08/2021 15:39	WG1701393
2,4,6-Trichlorophenol	ND		0.333	1	07/08/2021 15:39	WG1701393
(S) 2-Fluorophenol	58.6		12.0-120		07/08/2021 15:39	WG1701393
(S) Phenol-d5	58.0		10.0-120		07/08/2021 15:39	WG1701393
(S) Nitrobenzene-d5	59.4		10.0-122		07/08/2021 15:39	WG1701393
(S) 2-Fluorobiphenyl	59.1		15.0-120		07/08/2021 15:39	WG1701393
(S) 2,4,6-Tribromophenol	60.0		10.0-127		07/08/2021 15:39	WG1701393

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

ACCOUNT:

Etech Environmental- Midland, TX

PROJECT:

14026

SDG:

L1373385

DATE/TIME:

08/13/21 09:27

PAGE:

97 of 158

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
(S) p-Terphenyl-d14	54.8		10.0-120		07/08/2021 15:39	WG1701393

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

AUGER HOLE 6 12"-18"

Collected date/time: 06/28/21 13:12

SAMPLE RESULTS - 23

L1373385

Wet Chemistry by Method 3060A/7196A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium,Hexavalent	ND		2.00	1	07/08/2021 20:38	WG1700138

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.08		2.00	1	07/08/2021 23:46	WG1699573
Barium	111		0.500	1	07/08/2021 23:46	WG1699573
Cadmium	ND		0.500	1	07/08/2021 23:46	WG1699573
Copper	7.91		2.00	1	07/08/2021 23:46	WG1699573
Lead	7.20		0.500	1	07/08/2021 23:46	WG1699573
Nickel	9.34		2.00	1	07/08/2021 23:46	WG1699573
Selenium	ND		2.00	1	07/08/2021 23:46	WG1699573
Silver	ND		1.00	1	07/08/2021 23:46	WG1699573
Zinc	26.4		5.00	1	07/08/2021 23:46	WG1699573

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	07/08/2021 19:51	WG1701777
(S) a,a,a-Trifluorotoluene(FID)	103		77.0-120		07/08/2021 19:51	WG1701777

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	07/06/2021 22:16	WG1700625
Acrylonitrile	ND		0.0125	1	07/06/2021 22:16	WG1700625
Benzene	ND		0.00100	1	07/06/2021 22:16	WG1700625
Bromobenzene	ND		0.0125	1	07/06/2021 22:16	WG1700625
Bromodichloromethane	ND		0.00250	1	07/06/2021 22:16	WG1700625
Bromoform	ND		0.0250	1	07/06/2021 22:16	WG1700625
Bromomethane	ND		0.0125	1	07/06/2021 22:16	WG1700625
n-Butylbenzene	ND		0.0125	1	07/06/2021 22:16	WG1700625
sec-Butylbenzene	ND		0.0125	1	07/06/2021 22:16	WG1700625
tert-Butylbenzene	ND		0.00500	1	07/06/2021 22:16	WG1700625
Carbon tetrachloride	ND		0.00500	1	07/06/2021 22:16	WG1700625
Chlorobenzene	ND		0.00250	1	07/06/2021 22:16	WG1700625
Chlorodibromomethane	ND		0.00250	1	07/06/2021 22:16	WG1700625
Chloroethane	ND		0.00500	1	07/06/2021 22:16	WG1700625
Chloroform	ND		0.00250	1	07/06/2021 22:16	WG1700625
Chloromethane	ND		0.0125	1	07/06/2021 22:16	WG1700625
2-Chlorotoluene	ND		0.00250	1	07/06/2021 22:16	WG1700625
4-Chlorotoluene	ND		0.00500	1	07/06/2021 22:16	WG1700625
1,2-Dibromo-3-Chloropropane	ND		0.0250	1	07/06/2021 22:16	WG1700625
1,2-Dibromoethane	ND		0.00250	1	07/06/2021 22:16	WG1700625
Dibromomethane	ND		0.00500	1	07/06/2021 22:16	WG1700625
1,2-Dichlorobenzene	ND		0.00500	1	07/06/2021 22:16	WG1700625
1,3-Dichlorobenzene	ND		0.00500	1	07/06/2021 22:16	WG1700625
1,4-Dichlorobenzene	ND		0.00500	1	07/06/2021 22:16	WG1700625
Dichlorodifluoromethane	ND		0.00250	1	07/06/2021 22:16	WG1700625
1,1-Dichloroethane	ND		0.00250	1	07/06/2021 22:16	WG1700625
1,2-Dichloroethane	ND		0.00250	1	07/06/2021 22:16	WG1700625
1,1-Dichloroethene	ND		0.00250	1	07/06/2021 22:16	WG1700625
cis-1,2-Dichloroethene	ND		0.00250	1	07/06/2021 22:16	WG1700625
trans-1,2-Dichloroethene	ND		0.00500	1	07/06/2021 22:16	WG1700625

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

AUGER HOLE 6 12"-18"

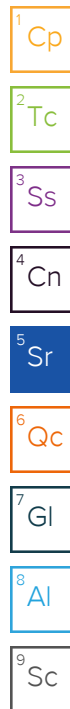
Collected date/time: 06/28/21 13:12

SAMPLE RESULTS - 23

L1373385

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	ND		0.00500	1	07/06/2021 22:16	WG1700625
1,1-Dichloropropene	ND		0.00250	1	07/06/2021 22:16	WG1700625
1,3-Dichloropropane	ND		0.00500	1	07/06/2021 22:16	WG1700625
cis-1,3-Dichloropropene	ND		0.00250	1	07/06/2021 22:16	WG1700625
trans-1,3-Dichloropropene	ND		0.00500	1	07/06/2021 22:16	WG1700625
2,2-Dichloropropane	ND		0.00250	1	07/06/2021 22:16	WG1700625
Di-isopropyl ether	ND		0.00100	1	07/06/2021 22:16	WG1700625
Ethylbenzene	ND		0.00250	1	07/06/2021 22:16	WG1700625
Hexachloro-1,3-butadiene	ND		0.0250	1	07/06/2021 22:16	WG1700625
Isopropylbenzene	ND		0.00250	1	07/06/2021 22:16	WG1700625
p-Isopropyltoluene	ND		0.00500	1	07/06/2021 22:16	WG1700625
2-Butanone (MEK)	ND		0.100	1	07/06/2021 22:16	WG1700625
Methylene Chloride	ND		0.0250	1	07/06/2021 22:16	WG1700625
4-Methyl-2-pentanone (MIBK)	ND		0.0250	1	07/06/2021 22:16	WG1700625
Methyl tert-butyl ether	ND		0.00100	1	07/06/2021 22:16	WG1700625
Naphthalene	ND	J4	0.0125	1	07/06/2021 22:16	WG1700625
n-Propylbenzene	ND		0.00500	1	07/06/2021 22:16	WG1700625
Styrene	ND		0.0125	1	07/06/2021 22:16	WG1700625
1,1,1,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 22:16	WG1700625
1,1,2,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 22:16	WG1700625
1,1,2-Trichlorotrifluoroethane	ND		0.00250	1	07/06/2021 22:16	WG1700625
Tetrachloroethene	ND		0.00250	1	07/06/2021 22:16	WG1700625
Toluene	ND		0.00500	1	07/06/2021 22:16	WG1700625
1,2,3-Trichlorobenzene	ND		0.0125	1	07/06/2021 22:16	WG1700625
1,2,4-Trichlorobenzene	ND		0.0125	1	07/06/2021 22:16	WG1700625
1,1,1-Trichloroethane	ND		0.00250	1	07/06/2021 22:16	WG1700625
1,1,2-Trichloroethane	ND		0.00250	1	07/06/2021 22:16	WG1700625
Trichloroethene	ND		0.00100	1	07/06/2021 22:16	WG1700625
Trichlorofluoromethane	ND		0.00250	1	07/06/2021 22:16	WG1700625
1,2,3-Trichloropropane	ND		0.0125	1	07/06/2021 22:16	WG1700625
1,2,4-Trimethylbenzene	ND		0.00500	1	07/06/2021 22:16	WG1700625
1,2,3-Trimethylbenzene	ND		0.00500	1	07/06/2021 22:16	WG1700625
Vinyl chloride	ND		0.00250	1	07/06/2021 22:16	WG1700625
1,3,5-Trimethylbenzene	ND		0.00500	1	07/06/2021 22:16	WG1700625
Xylenes, Total	ND		0.00650	1	07/06/2021 22:16	WG1700625
(S) Toluene-d8	97.6		75.0-131		07/06/2021 22:16	WG1700625
(S) 4-Bromofluorobenzene	102		67.0-138		07/06/2021 22:16	WG1700625
(S) 1,2-Dichloroethane-d4	103		70.0-130		07/06/2021 22:16	WG1700625



Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	ND		4.00	1	07/08/2021 14:34	WG1701405
(S) o-Terphenyl	66.4		18.0-148		07/08/2021 14:34	WG1701405

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0333	1	07/08/2021 16:00	WG1701393
Acenaphthylene	ND		0.0333	1	07/08/2021 16:00	WG1701393
Anthracene	ND		0.0333	1	07/08/2021 16:00	WG1701393
Benzidine	ND		1.67	1	07/08/2021 16:00	WG1701393
Benzo(a)anthracene	ND		0.0333	1	07/08/2021 16:00	WG1701393
Benzo(b)fluoranthene	ND		0.0333	1	07/08/2021 16:00	WG1701393
Benzo(k)fluoranthene	ND		0.0333	1	07/08/2021 16:00	WG1701393

AUGER HOLE 6 12"-18"

Collected date/time: 06/28/21 13:12

SAMPLE RESULTS - 23

L1373385

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzo(g,h,i)perylene	ND		0.0333	1	07/08/2021 16:00	WG1701393
Benzo(a)pyrene	ND		0.0333	1	07/08/2021 16:00	WG1701393
Bis(2-chloroethoxy)methane	ND		0.333	1	07/08/2021 16:00	WG1701393
Bis(2-chloroethyl)ether	ND		0.333	1	07/08/2021 16:00	WG1701393
2,2-Oxybis(1-Chloropropane)	ND		0.333	1	07/08/2021 16:00	WG1701393
4-Bromophenyl-phenylether	ND		0.333	1	07/08/2021 16:00	WG1701393
2-Chloronaphthalene	ND		0.0333	1	07/08/2021 16:00	WG1701393
4-Chlorophenyl-phenylether	ND		0.333	1	07/08/2021 16:00	WG1701393
Chrysene	ND		0.0333	1	07/08/2021 16:00	WG1701393
Dibenz(a,h)anthracene	ND		0.0333	1	07/08/2021 16:00	WG1701393
1,2-Dichlorobenzene	ND		0.333	1	07/08/2021 16:00	WG1701393
1,3-Dichlorobenzene	ND		0.333	1	07/08/2021 16:00	WG1701393
1,4-Dichlorobenzene	ND		0.333	1	07/08/2021 16:00	WG1701393
3,3-Dichlorobenzidine	ND		0.333	1	07/08/2021 16:00	WG1701393
2,4-Dinitrotoluene	ND		0.333	1	07/08/2021 16:00	WG1701393
2,6-Dinitrotoluene	ND		0.333	1	07/08/2021 16:00	WG1701393
Fluoranthene	ND		0.0333	1	07/08/2021 16:00	WG1701393
Fluorene	ND		0.0333	1	07/08/2021 16:00	WG1701393
Hexachlorobenzene	ND		0.333	1	07/08/2021 16:00	WG1701393
Hexachloro-1,3-butadiene	ND		0.333	1	07/08/2021 16:00	WG1701393
Hexachlorocyclopentadiene	ND		0.333	1	07/08/2021 16:00	WG1701393
Hexachloroethane	ND		0.333	1	07/08/2021 16:00	WG1701393
Indeno(1,2,3-cd)pyrene	ND		0.0333	1	07/08/2021 16:00	WG1701393
Isophorone	ND		0.333	1	07/08/2021 16:00	WG1701393
1-Methylnaphthalene	ND		0.0333	1	07/08/2021 16:00	WG1701393
2-Methylnaphthalene	ND		0.0333	1	07/08/2021 16:00	WG1701393
Naphthalene	ND		0.0333	1	07/08/2021 16:00	WG1701393
Nitrobenzene	ND		0.333	1	07/08/2021 16:00	WG1701393
n-Nitrosodimethylamine	ND		0.333	1	07/08/2021 16:00	WG1701393
n-Nitrosodiphenylamine	ND		0.333	1	07/08/2021 16:00	WG1701393
n-Nitrosodi-n-propylamine	ND		0.333	1	07/08/2021 16:00	WG1701393
Phenanthrene	ND		0.0333	1	07/08/2021 16:00	WG1701393
Benzylbutyl phthalate	ND		0.333	1	07/08/2021 16:00	WG1701393
Bis(2-ethylhexyl)phthalate	ND		0.333	1	07/08/2021 16:00	WG1701393
Di-n-butyl phthalate	ND		0.333	1	07/08/2021 16:00	WG1701393
Diethyl phthalate	ND		0.333	1	07/08/2021 16:00	WG1701393
Dimethyl phthalate	ND		0.333	1	07/08/2021 16:00	WG1701393
Di-n-octyl phthalate	ND		0.333	1	07/08/2021 16:00	WG1701393
Pyrene	ND		0.0333	1	07/08/2021 16:00	WG1701393
1,2,4-Trichlorobenzene	ND		0.333	1	07/08/2021 16:00	WG1701393
4-Chloro-3-methylphenol	ND		0.333	1	07/08/2021 16:00	WG1701393
2-Chlorophenol	ND		0.333	1	07/08/2021 16:00	WG1701393
2,4-Dichlorophenol	ND		0.333	1	07/08/2021 16:00	WG1701393
2,4-Dimethylphenol	ND		0.333	1	07/08/2021 16:00	WG1701393
4,6-Dinitro-2-methylphenol	ND		0.333	1	07/08/2021 16:00	WG1701393
2,4-Dinitrophenol	ND		0.333	1	07/08/2021 16:00	WG1701393
2-Nitrophenol	ND		0.333	1	07/08/2021 16:00	WG1701393
4-Nitrophenol	ND		0.333	1	07/08/2021 16:00	WG1701393
Pentachlorophenol	ND		0.333	1	07/08/2021 16:00	WG1701393
Phenol	ND		0.333	1	07/08/2021 16:00	WG1701393
2,4,6-Trichlorophenol	ND		0.333	1	07/08/2021 16:00	WG1701393
(S) 2-Fluorophenol	64.0		12.0-120		07/08/2021 16:00	WG1701393
(S) Phenol-d5	61.8		10.0-120		07/08/2021 16:00	WG1701393
(S) Nitrobenzene-d5	63.7		10.0-122		07/08/2021 16:00	WG1701393
(S) 2-Fluorobiphenyl	64.3		15.0-120		07/08/2021 16:00	WG1701393
(S) 2,4,6-Tribromophenol	68.6		10.0-127		07/08/2021 16:00	WG1701393

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

ACCOUNT:

Etech Environmental- Midland, TX

PROJECT:

14026

SDG:

L1373385

DATE/TIME:

08/13/21 09:27

PAGE:

101 of 158

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
(S) p-Terphenyl-d14	60.3		10.0-120		07/08/2021 16:00	WG1701393

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

AUGER HOLE 6 18"-24"

Collected date/time: 06/28/21 13:14

SAMPLE RESULTS - 24

L1373385

Wet Chemistry by Method 3060A/7196A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium,Hexavalent	ND		2.00	1	07/08/2021 20:38	WG1700138

Metals (ICP) by Method 6010B

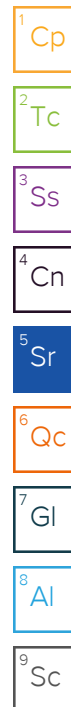
Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.21		2.00	1	07/08/2021 23:49	WG1699573
Barium	122		0.500	1	07/08/2021 23:49	WG1699573
Cadmium	ND		0.500	1	07/08/2021 23:49	WG1699573
Copper	8.88		2.00	1	07/08/2021 23:49	WG1699573
Lead	8.15		0.500	1	07/08/2021 23:49	WG1699573
Nickel	10.1		2.00	1	07/08/2021 23:49	WG1699573
Selenium	ND		2.00	1	07/08/2021 23:49	WG1699573
Silver	ND		1.00	1	07/08/2021 23:49	WG1699573
Zinc	26.7		5.00	1	07/08/2021 23:49	WG1699573

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.101	1.01	07/08/2021 20:12	WG1701777
(S) a,a,a-Trifluorotoluene(FID)	104		77.0-120		07/08/2021 20:12	WG1701777

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	07/06/2021 22:35	WG1700625
Acrylonitrile	ND		0.0125	1	07/06/2021 22:35	WG1700625
Benzene	ND		0.00100	1	07/06/2021 22:35	WG1700625
Bromobenzene	ND		0.0125	1	07/06/2021 22:35	WG1700625
Bromodichloromethane	ND		0.00250	1	07/06/2021 22:35	WG1700625
Bromoform	ND		0.0250	1	07/06/2021 22:35	WG1700625
Bromomethane	ND		0.0125	1	07/06/2021 22:35	WG1700625
n-Butylbenzene	ND		0.0125	1	07/06/2021 22:35	WG1700625
sec-Butylbenzene	ND		0.0125	1	07/06/2021 22:35	WG1700625
tert-Butylbenzene	ND		0.00500	1	07/06/2021 22:35	WG1700625
Carbon tetrachloride	ND		0.00500	1	07/06/2021 22:35	WG1700625
Chlorobenzene	ND		0.00250	1	07/06/2021 22:35	WG1700625
Chlorodibromomethane	ND		0.00250	1	07/06/2021 22:35	WG1700625
Chloroethane	ND		0.00500	1	07/06/2021 22:35	WG1700625
Chloroform	ND		0.00250	1	07/06/2021 22:35	WG1700625
Chloromethane	ND		0.0125	1	07/06/2021 22:35	WG1700625
2-Chlorotoluene	ND		0.00250	1	07/06/2021 22:35	WG1700625
4-Chlorotoluene	ND		0.00500	1	07/06/2021 22:35	WG1700625
1,2-Dibromo-3-Chloropropane	ND		0.0250	1	07/06/2021 22:35	WG1700625
1,2-Dibromoethane	ND		0.00250	1	07/06/2021 22:35	WG1700625
Dibromomethane	ND		0.00500	1	07/06/2021 22:35	WG1700625
1,2-Dichlorobenzene	ND		0.00500	1	07/06/2021 22:35	WG1700625
1,3-Dichlorobenzene	ND		0.00500	1	07/06/2021 22:35	WG1700625
1,4-Dichlorobenzene	ND		0.00500	1	07/06/2021 22:35	WG1700625
Dichlorodifluoromethane	ND		0.00250	1	07/06/2021 22:35	WG1700625
1,1-Dichloroethane	ND		0.00250	1	07/06/2021 22:35	WG1700625
1,2-Dichloroethane	ND		0.00250	1	07/06/2021 22:35	WG1700625
1,1-Dichloroethene	ND		0.00250	1	07/06/2021 22:35	WG1700625
cis-1,2-Dichloroethene	ND		0.00250	1	07/06/2021 22:35	WG1700625
trans-1,2-Dichloroethene	ND		0.00500	1	07/06/2021 22:35	WG1700625



AUGER HOLE 6 18"-24"

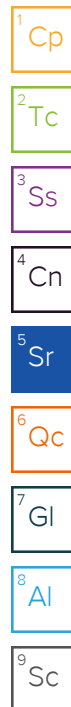
Collected date/time: 06/28/21 13:14

SAMPLE RESULTS - 24

L1373385

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	ND		0.00500	1	07/06/2021 22:35	WG1700625
1,1-Dichloropropene	ND		0.00250	1	07/06/2021 22:35	WG1700625
1,3-Dichloropropane	ND		0.00500	1	07/06/2021 22:35	WG1700625
cis-1,3-Dichloropropene	ND		0.00250	1	07/06/2021 22:35	WG1700625
trans-1,3-Dichloropropene	ND		0.00500	1	07/06/2021 22:35	WG1700625
2,2-Dichloropropane	ND		0.00250	1	07/06/2021 22:35	WG1700625
Di-isopropyl ether	ND		0.00100	1	07/06/2021 22:35	WG1700625
Ethylbenzene	ND		0.00250	1	07/06/2021 22:35	WG1700625
Hexachloro-1,3-butadiene	ND		0.0250	1	07/06/2021 22:35	WG1700625
Isopropylbenzene	ND		0.00250	1	07/06/2021 22:35	WG1700625
p-Isopropyltoluene	ND		0.00500	1	07/06/2021 22:35	WG1700625
2-Butanone (MEK)	ND		0.100	1	07/06/2021 22:35	WG1700625
Methylene Chloride	ND		0.0250	1	07/06/2021 22:35	WG1700625
4-Methyl-2-pentanone (MIBK)	ND		0.0250	1	07/06/2021 22:35	WG1700625
Methyl tert-butyl ether	ND		0.00100	1	07/06/2021 22:35	WG1700625
Naphthalene	ND	J4	0.0125	1	07/06/2021 22:35	WG1700625
n-Propylbenzene	ND		0.00500	1	07/06/2021 22:35	WG1700625
Styrene	ND		0.0125	1	07/06/2021 22:35	WG1700625
1,1,1,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 22:35	WG1700625
1,1,2,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 22:35	WG1700625
1,1,2-Trichlorotrifluoroethane	ND		0.00250	1	07/06/2021 22:35	WG1700625
Tetrachloroethene	ND		0.00250	1	07/06/2021 22:35	WG1700625
Toluene	ND		0.00500	1	07/06/2021 22:35	WG1700625
1,2,3-Trichlorobenzene	ND		0.0125	1	07/06/2021 22:35	WG1700625
1,2,4-Trichlorobenzene	ND		0.0125	1	07/06/2021 22:35	WG1700625
1,1,1-Trichloroethane	ND		0.00250	1	07/06/2021 22:35	WG1700625
1,1,2-Trichloroethane	ND		0.00250	1	07/06/2021 22:35	WG1700625
Trichloroethene	ND		0.00100	1	07/06/2021 22:35	WG1700625
Trichlorofluoromethane	ND		0.00250	1	07/06/2021 22:35	WG1700625
1,2,3-Trichloropropane	ND		0.0125	1	07/06/2021 22:35	WG1700625
1,2,4-Trimethylbenzene	ND		0.00500	1	07/06/2021 22:35	WG1700625
1,2,3-Trimethylbenzene	ND		0.00500	1	07/06/2021 22:35	WG1700625
Vinyl chloride	ND		0.00250	1	07/06/2021 22:35	WG1700625
1,3,5-Trimethylbenzene	ND		0.00500	1	07/06/2021 22:35	WG1700625
Xylenes, Total	ND		0.00650	1	07/06/2021 22:35	WG1700625
(S) Toluene-d8	98.1		75.0-131		07/06/2021 22:35	WG1700625
(S) 4-Bromofluorobenzene	99.2		67.0-138		07/06/2021 22:35	WG1700625
(S) 1,2-Dichloroethane-d4	101		70.0-130		07/06/2021 22:35	WG1700625



Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	ND		4.00	1	07/08/2021 14:48	WG1701405
(S) o-Terphenyl	65.1		18.0-148		07/08/2021 14:48	WG1701405

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0333	1	07/08/2021 17:17	WG1701394
Acenaphthylene	ND		0.0333	1	07/08/2021 17:17	WG1701394
Anthracene	ND		0.0333	1	07/08/2021 17:17	WG1701394
Benzidine	ND		1.67	1	07/08/2021 17:17	WG1701394
Benzo(a)anthracene	ND		0.0333	1	07/08/2021 17:17	WG1701394
Benzo(b)fluoranthene	ND		0.0333	1	07/08/2021 17:17	WG1701394
Benzo(k)fluoranthene	ND		0.0333	1	07/08/2021 17:17	WG1701394

AUGER HOLE 6 18"-24"

Collected date/time: 06/28/21 13:14

SAMPLE RESULTS - 24

L1373385

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzo(g,h,i)perylene	ND		0.0333	1	07/08/2021 17:17	WG1701394
Benzo(a)pyrene	ND		0.0333	1	07/08/2021 17:17	WG1701394
Bis(2-chlorethoxy)methane	ND		0.333	1	07/08/2021 17:17	WG1701394
Bis(2-chloroethyl)ether	ND		0.333	1	07/08/2021 17:17	WG1701394
2,2-Oxybis(1-Chloropropane)	ND		0.333	1	07/08/2021 17:17	WG1701394
4-Bromophenyl-phenylether	ND		0.333	1	07/08/2021 17:17	WG1701394
2-Chloronaphthalene	ND		0.0333	1	07/08/2021 17:17	WG1701394
4-Chlorophenyl-phenylether	ND		0.333	1	07/08/2021 17:17	WG1701394
Chrysene	ND		0.0333	1	07/08/2021 17:17	WG1701394
Dibenz(a,h)anthracene	ND		0.0333	1	07/08/2021 17:17	WG1701394
1,2-Dichlorobenzene	ND		0.333	1	07/08/2021 17:17	WG1701394
1,3-Dichlorobenzene	ND		0.333	1	07/08/2021 17:17	WG1701394
1,4-Dichlorobenzene	ND		0.333	1	07/08/2021 17:17	WG1701394
3,3-Dichlorobenzidine	ND		0.333	1	07/08/2021 17:17	WG1701394
2,4-Dinitrotoluene	ND		0.333	1	07/08/2021 17:17	WG1701394
2,6-Dinitrotoluene	ND		0.333	1	07/08/2021 17:17	WG1701394
Fluoranthene	ND		0.0333	1	07/08/2021 17:17	WG1701394
Fluorene	ND		0.0333	1	07/08/2021 17:17	WG1701394
Hexachlorobenzene	ND		0.333	1	07/08/2021 17:17	WG1701394
Hexachloro-1,3-butadiene	ND		0.333	1	07/08/2021 17:17	WG1701394
Hexachlorocyclopentadiene	ND		0.333	1	07/08/2021 17:17	WG1701394
Hexachloroethane	ND		0.333	1	07/08/2021 17:17	WG1701394
Indeno(1,2,3-cd)pyrene	ND		0.0333	1	07/08/2021 17:17	WG1701394
Isophorone	ND		0.333	1	07/08/2021 17:17	WG1701394
1-Methylnaphthalene	ND		0.0333	1	07/08/2021 17:17	WG1701394
2-Methylnaphthalene	ND		0.0333	1	07/08/2021 17:17	WG1701394
Naphthalene	ND		0.0333	1	07/08/2021 17:17	WG1701394
Nitrobenzene	ND		0.333	1	07/08/2021 17:17	WG1701394
n-Nitrosodimethylamine	ND		0.333	1	07/08/2021 17:17	WG1701394
n-Nitrosodiphenylamine	ND		0.333	1	07/08/2021 17:17	WG1701394
n-Nitrosodi-n-propylamine	ND		0.333	1	07/08/2021 17:17	WG1701394
Phenanthrene	ND		0.0333	1	07/08/2021 17:17	WG1701394
Benzylbutyl phthalate	ND		0.333	1	07/08/2021 17:17	WG1701394
Bis(2-ethylhexyl)phthalate	ND		0.333	1	07/08/2021 17:17	WG1701394
Di-n-butyl phthalate	ND		0.333	1	07/08/2021 17:17	WG1701394
Diethyl phthalate	ND		0.333	1	07/08/2021 17:17	WG1701394
Dimethyl phthalate	ND		0.333	1	07/08/2021 17:17	WG1701394
Di-n-octyl phthalate	ND		0.333	1	07/08/2021 17:17	WG1701394
Pyrene	ND		0.0333	1	07/08/2021 17:17	WG1701394
1,2,4-Trichlorobenzene	ND		0.333	1	07/08/2021 17:17	WG1701394
4-Chloro-3-methylphenol	ND		0.333	1	07/08/2021 17:17	WG1701394
2-Chlorophenol	ND		0.333	1	07/08/2021 17:17	WG1701394
2,4-Dichlorophenol	ND		0.333	1	07/08/2021 17:17	WG1701394
2,4-Dimethylphenol	ND		0.333	1	07/08/2021 17:17	WG1701394
4,6-Dinitro-2-methylphenol	ND		0.333	1	07/08/2021 17:17	WG1701394
2,4-Dinitrophenol	ND		0.333	1	07/08/2021 17:17	WG1701394
2-Nitrophenol	ND		0.333	1	07/08/2021 17:17	WG1701394
4-Nitrophenol	ND		0.333	1	07/08/2021 17:17	WG1701394
Pentachlorophenol	ND		0.333	1	07/08/2021 17:17	WG1701394
Phenol	ND		0.333	1	07/08/2021 17:17	WG1701394
2,4,6-Trichlorophenol	ND		0.333	1	07/08/2021 17:17	WG1701394
(S) 2-Fluorophenol	67.9		12.0-120		07/08/2021 17:17	WG1701394
(S) Phenol-d5	63.0		10.0-120		07/08/2021 17:17	WG1701394
(S) Nitrobenzene-d5	63.3		10.0-122		07/08/2021 17:17	WG1701394
(S) 2-Fluorobiphenyl	66.4		15.0-120		07/08/2021 17:17	WG1701394
(S) 2,4,6-Tribromophenol	57.6		10.0-127		07/08/2021 17:17	WG1701394

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
(S) p-Terphenyl-d14	70.9		10.0-120		07/08/2021 17:17	WG1701394

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

BACKGROUND

Collected date/time: 06/28/21 13:12

SAMPLE RESULTS - 25

L1373385

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.910		1	07/08/2021 02:01	WG1700074

Wet Chemistry by Method 3060A/7196A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium, Hexavalent	ND		2.00	1	07/08/2021 20:38	WG1700138

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.16	T8	1	07/07/2021 14:00	WG1700763

Sample Narrative:

L1373385-25 WG1700763: 8.16 at 21.5C

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	265		10.0	1	07/07/2021 17:59	WG1699990

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.74		2.00	1	07/08/2021 23:52	WG1699573
Barium	115		0.500	1	07/08/2021 23:52	WG1699573
Boron	ND		10.0	1	07/08/2021 23:52	WG1699573
Cadmium	ND		0.500	1	07/08/2021 23:52	WG1699573
Copper	8.39		2.00	1	07/08/2021 23:52	WG1699573
Lead	6.55		0.500	1	07/08/2021 23:52	WG1699573
Nickel	9.17		2.00	1	07/08/2021 23:52	WG1699573
Selenium	ND		2.00	1	07/08/2021 23:52	WG1699573
Silver	ND		1.00	1	07/08/2021 23:52	WG1699573
Zinc	22.9		5.00	1	07/08/2021 23:52	WG1699573

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

EXPOSED HOLE

Collected date/time: 06/28/21 13:21

SAMPLE RESULTS - 26

L1373385

Wet Chemistry by Method 3060A/7196A

Analyte	Result mg/kg	Qualifier	RD mg/kg	Dilution	Analysis date / time	Batch
Chromium,Hexavalent	ND		2.00	1	07/08/2021 20:39	WG1700138

Metals (ICP) by Method 6010B

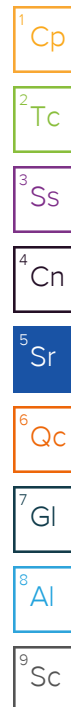
Analyte	Result mg/kg	Qualifier	RD mg/kg	Dilution	Analysis date / time	Batch
Arsenic	8.24		2.00	1	07/08/2021 23:55	WG1699573
Barium	190		0.500	1	07/08/2021 23:55	WG1699573
Cadmium	ND		0.500	1	07/08/2021 23:55	WG1699573
Copper	10.2		2.00	1	07/08/2021 23:55	WG1699573
Lead	8.10		0.500	1	07/08/2021 23:55	WG1699573
Nickel	11.6		2.00	1	07/08/2021 23:55	WG1699573
Selenium	ND		2.00	1	07/08/2021 23:55	WG1699573
Silver	ND		1.00	1	07/08/2021 23:55	WG1699573
Zinc	34.8		5.00	1	07/08/2021 23:55	WG1699573

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RD mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	07/08/2021 20:34	WG1701777
(S) a,a,a-Trifluorotoluene(FID)	101		77.0-120		07/08/2021 20:34	WG1701777

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RD mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	07/06/2021 22:54	WG1700625
Acrylonitrile	ND		0.0125	1	07/06/2021 22:54	WG1700625
Benzene	ND		0.00100	1	07/06/2021 22:54	WG1700625
Bromobenzene	ND		0.0125	1	07/06/2021 22:54	WG1700625
Bromodichloromethane	ND		0.00250	1	07/06/2021 22:54	WG1700625
Bromoform	ND		0.0250	1	07/06/2021 22:54	WG1700625
Bromomethane	ND		0.0125	1	07/06/2021 22:54	WG1700625
n-Butylbenzene	ND		0.0125	1	07/06/2021 22:54	WG1700625
sec-Butylbenzene	ND		0.0125	1	07/06/2021 22:54	WG1700625
tert-Butylbenzene	ND		0.00500	1	07/06/2021 22:54	WG1700625
Carbon tetrachloride	ND		0.00500	1	07/06/2021 22:54	WG1700625
Chlorobenzene	ND		0.00250	1	07/06/2021 22:54	WG1700625
Chlorodibromomethane	ND		0.00250	1	07/06/2021 22:54	WG1700625
Chloroethane	ND		0.00500	1	07/06/2021 22:54	WG1700625
Chloroform	ND		0.00250	1	07/06/2021 22:54	WG1700625
Chloromethane	ND		0.0125	1	07/06/2021 22:54	WG1700625
2-Chlorotoluene	ND		0.00250	1	07/06/2021 22:54	WG1700625
4-Chlorotoluene	ND		0.00500	1	07/06/2021 22:54	WG1700625
1,2-Dibromo-3-Chloropropane	ND		0.0250	1	07/06/2021 22:54	WG1700625
1,2-Dibromoethane	ND		0.00250	1	07/06/2021 22:54	WG1700625
Dibromomethane	ND		0.00500	1	07/06/2021 22:54	WG1700625
1,2-Dichlorobenzene	ND		0.00500	1	07/06/2021 22:54	WG1700625
1,3-Dichlorobenzene	ND		0.00500	1	07/06/2021 22:54	WG1700625
1,4-Dichlorobenzene	ND		0.00500	1	07/06/2021 22:54	WG1700625
Dichlorodifluoromethane	ND		0.00250	1	07/06/2021 22:54	WG1700625
1,1-Dichloroethane	ND		0.00250	1	07/06/2021 22:54	WG1700625
1,2-Dichloroethane	ND		0.00250	1	07/06/2021 22:54	WG1700625
1,1-Dichloroethene	ND		0.00250	1	07/06/2021 22:54	WG1700625
cis-1,2-Dichloroethene	ND		0.00250	1	07/06/2021 22:54	WG1700625
trans-1,2-Dichloroethene	ND		0.00500	1	07/06/2021 22:54	WG1700625



EXPOSED HOLE

Collected date/time: 06/28/21 13:21

SAMPLE RESULTS - 26

L1373385

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloropropane	ND		0.00500	1	07/06/2021 22:54	WG1700625
1,1-Dichloropropene	ND		0.00250	1	07/06/2021 22:54	WG1700625
1,3-Dichloropropane	ND		0.00500	1	07/06/2021 22:54	WG1700625
cis-1,3-Dichloropropene	ND		0.00250	1	07/06/2021 22:54	WG1700625
trans-1,3-Dichloropropene	ND		0.00500	1	07/06/2021 22:54	WG1700625
2,2-Dichloropropane	ND		0.00250	1	07/06/2021 22:54	WG1700625
Di-isopropyl ether	ND		0.00100	1	07/06/2021 22:54	WG1700625
Ethylbenzene	ND		0.00250	1	07/06/2021 22:54	WG1700625
Hexachloro-1,3-butadiene	ND		0.0250	1	07/06/2021 22:54	WG1700625
Isopropylbenzene	ND		0.00250	1	07/06/2021 22:54	WG1700625
p-Isopropyltoluene	ND		0.00500	1	07/06/2021 22:54	WG1700625
2-Butanone (MEK)	ND		0.100	1	07/06/2021 22:54	WG1700625
Methylene Chloride	ND		0.0250	1	07/06/2021 22:54	WG1700625
4-Methyl-2-pentanone (MIBK)	ND		0.0250	1	07/06/2021 22:54	WG1700625
Methyl tert-butyl ether	ND		0.00100	1	07/06/2021 22:54	WG1700625
Naphthalene	ND	J4	0.0125	1	07/06/2021 22:54	WG1700625
n-Propylbenzene	ND		0.00500	1	07/06/2021 22:54	WG1700625
Styrene	ND		0.0125	1	07/06/2021 22:54	WG1700625
1,1,1,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 22:54	WG1700625
1,1,2,2-Tetrachloroethane	ND		0.00250	1	07/06/2021 22:54	WG1700625
1,1,2-Trichlorotrifluoroethane	ND		0.00250	1	07/06/2021 22:54	WG1700625
Tetrachloroethene	ND		0.00250	1	07/06/2021 22:54	WG1700625
Toluene	ND		0.00500	1	07/06/2021 22:54	WG1700625
1,2,3-Trichlorobenzene	ND		0.0125	1	07/06/2021 22:54	WG1700625
1,2,4-Trichlorobenzene	ND		0.0125	1	07/06/2021 22:54	WG1700625
1,1,1-Trichloroethane	ND		0.00250	1	07/06/2021 22:54	WG1700625
1,1,2-Trichloroethane	ND		0.00250	1	07/06/2021 22:54	WG1700625
Trichloroethene	ND		0.00100	1	07/06/2021 22:54	WG1700625
Trichlorofluoromethane	ND		0.00250	1	07/06/2021 22:54	WG1700625
1,2,3-Trichloropropane	ND		0.0125	1	07/06/2021 22:54	WG1700625
1,2,4-Trimethylbenzene	ND		0.00500	1	07/06/2021 22:54	WG1700625
1,2,3-Trimethylbenzene	ND		0.00500	1	07/06/2021 22:54	WG1700625
Vinyl chloride	ND		0.00250	1	07/06/2021 22:54	WG1700625
1,3,5-Trimethylbenzene	ND		0.00500	1	07/06/2021 22:54	WG1700625
Xylenes, Total	ND		0.00650	1	07/06/2021 22:54	WG1700625
(S) Toluene-d8	97.5		75.0-131		07/06/2021 22:54	WG1700625
(S) 4-Bromofluorobenzene	97.9		67.0-138		07/06/2021 22:54	WG1700625
(S) 1,2-Dichloroethane-d4	101		70.0-130		07/06/2021 22:54	WG1700625

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

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	5.48		4.00	1	07/08/2021 16:23	WG1701405
(S) o-Terphenyl	46.1		18.0-148		07/08/2021 16:23	WG1701405

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0333	1	07/09/2021 11:24	WG1701394
Acenaphthylene	ND		0.0333	1	07/09/2021 11:24	WG1701394
Anthracene	ND		0.0333	1	07/09/2021 11:24	WG1701394
Benzidine	ND		1.67	1	07/09/2021 11:24	WG1701394
Benzo(a)anthracene	ND		0.0333	1	07/09/2021 11:24	WG1701394
Benzo(b)fluoranthene	ND		0.0333	1	07/09/2021 11:24	WG1701394
Benzo(k)fluoranthene	ND		0.0333	1	07/09/2021 11:24	WG1701394

EXPOSED HOLE

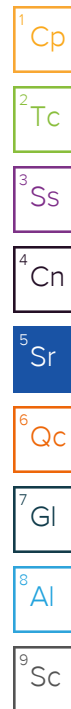
Collected date/time: 06/28/21 13:21

SAMPLE RESULTS - 26

L1373385

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzo(g,h,i)perylene	ND		0.0333	1	07/09/2021 11:24	WG1701394
Benzo(a)pyrene	ND		0.0333	1	07/09/2021 11:24	WG1701394
Bis(2-chlorethoxy)methane	ND		0.333	1	07/09/2021 11:24	WG1701394
Bis(2-chloroethyl)ether	ND		0.333	1	07/09/2021 11:24	WG1701394
2,2-Oxybis(1-Chloropropane)	ND		0.333	1	07/09/2021 11:24	WG1701394
4-Bromophenyl-phenylether	ND		0.333	1	07/09/2021 11:24	WG1701394
2-Chloronaphthalene	ND		0.0333	1	07/09/2021 11:24	WG1701394
4-Chlorophenyl-phenylether	ND		0.333	1	07/09/2021 11:24	WG1701394
Chrysene	ND		0.0333	1	07/09/2021 11:24	WG1701394
Dibenz(a,h)anthracene	ND		0.0333	1	07/09/2021 11:24	WG1701394
1,2-Dichlorobenzene	ND		0.333	1	07/09/2021 11:24	WG1701394
1,3-Dichlorobenzene	ND		0.333	1	07/09/2021 11:24	WG1701394
1,4-Dichlorobenzene	ND		0.333	1	07/09/2021 11:24	WG1701394
3,3-Dichlorobenzidine	ND		0.333	1	07/09/2021 11:24	WG1701394
2,4-Dinitrotoluene	ND		0.333	1	07/09/2021 11:24	WG1701394
2,6-Dinitrotoluene	ND		0.333	1	07/09/2021 11:24	WG1701394
Fluoranthene	ND		0.0333	1	07/09/2021 11:24	WG1701394
Fluorene	ND		0.0333	1	07/09/2021 11:24	WG1701394
Hexachlorobenzene	ND		0.333	1	07/09/2021 11:24	WG1701394
Hexachloro-1,3-butadiene	ND		0.333	1	07/09/2021 11:24	WG1701394
Hexachlorocyclopentadiene	ND		0.333	1	07/09/2021 11:24	WG1701394
Hexachloroethane	ND		0.333	1	07/09/2021 11:24	WG1701394
Indeno(1,2,3-cd)pyrene	ND		0.0333	1	07/09/2021 11:24	WG1701394
Isophorone	ND		0.333	1	07/09/2021 11:24	WG1701394
1-Methylnaphthalene	ND		0.0333	1	07/09/2021 11:24	WG1701394
2-Methylnaphthalene	ND		0.0333	1	07/09/2021 11:24	WG1701394
Naphthalene	ND		0.0333	1	07/09/2021 11:24	WG1701394
Nitrobenzene	ND		0.333	1	07/09/2021 11:24	WG1701394
n-Nitrosodimethylamine	ND		0.333	1	07/09/2021 11:24	WG1701394
n-Nitrosodiphenylamine	ND		0.333	1	07/09/2021 11:24	WG1701394
n-Nitrosodi-n-propylamine	ND		0.333	1	07/09/2021 11:24	WG1701394
Phenanthrene	ND		0.0333	1	07/09/2021 11:24	WG1701394
Benzylbutyl phthalate	ND		0.333	1	07/09/2021 11:24	WG1701394
Bis(2-ethylhexyl)phthalate	ND		0.333	1	07/09/2021 11:24	WG1701394
Di-n-butyl phthalate	ND		0.333	1	07/09/2021 11:24	WG1701394
Diethyl phthalate	ND		0.333	1	07/09/2021 11:24	WG1701394
Dimethyl phthalate	ND		0.333	1	07/09/2021 11:24	WG1701394
Di-n-octyl phthalate	ND		0.333	1	07/09/2021 11:24	WG1701394
Pyrene	ND		0.0333	1	07/09/2021 11:24	WG1701394
1,2,4-Trichlorobenzene	ND		0.333	1	07/09/2021 11:24	WG1701394
4-Chloro-3-methylphenol	ND		0.333	1	07/09/2021 11:24	WG1701394
2-Chlorophenol	ND		0.333	1	07/09/2021 11:24	WG1701394
2,4-Dichlorophenol	ND		0.333	1	07/09/2021 11:24	WG1701394
2,4-Dimethylphenol	ND		0.333	1	07/09/2021 11:24	WG1701394
4,6-Dinitro-2-methylphenol	ND		0.333	1	07/09/2021 11:24	WG1701394
2,4-Dinitrophenol	ND		0.333	1	07/09/2021 11:24	WG1701394
2-Nitrophenol	ND		0.333	1	07/09/2021 11:24	WG1701394
4-Nitrophenol	ND		0.333	1	07/09/2021 11:24	WG1701394
Pentachlorophenol	ND		0.333	1	07/09/2021 11:24	WG1701394
Phenol	ND		0.333	1	07/09/2021 11:24	WG1701394
2,4,6-Trichlorophenol	ND		0.333	1	07/09/2021 11:24	WG1701394
(S) 2-Fluorophenol	56.7		12.0-120		07/09/2021 11:24	WG1701394
(S) Phenol-d5	53.7		10.0-120		07/09/2021 11:24	WG1701394
(S) Nitrobenzene-d5	47.7		10.0-122		07/09/2021 11:24	WG1701394
(S) 2-Fluorobiphenyl	53.3		15.0-120		07/09/2021 11:24	WG1701394
(S) 2,4,6-Tribromophenol	63.2		10.0-127		07/09/2021 11:24	WG1701394



Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
(S) p-Terphenyl-d14	53.6		10.0-120		07/09/2021 11:24	WG1701394

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3677565-1 07/09/21 12:08

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chromium,Hexavalent	U		0.640	2.00

L1373376-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1373376-21 07/09/21 12:12 • (DUP) R3677565-3 07/09/21 12:13

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chromium,Hexavalent	ND	ND	1	0.000		20

L1373385-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1373385-09 07/09/21 12:38 • (DUP) R3677565-8 07/09/21 12:38

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chromium,Hexavalent	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3677565-2 07/09/21 12:08

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Chromium,Hexavalent	24.0	25.4	106	80.0-120	

L1373376-30 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1373376-30 07/09/21 12:23 • (MS) R3677565-4 07/09/21 12:23 • (MSD) R3677565-5 07/09/21 12:24

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chromium,Hexavalent	20.0	ND	6.97	4.28	34.9	21.4	1	75.0-125	J6	J3 J6	47.9	20

L1373376-30 Original Sample (OS) • Matrix Spike (MS)

(OS) L1373376-30 07/09/21 12:23 • (MS) R3677565-6 07/09/21 12:25

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/kg	mg/kg	mg/kg	%		%	
Chromium,Hexavalent	638	ND	686	108	50	75.0-125	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3677299-1 07/08/21 20:31

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chromium,Hexavalent	U		0.640	2.00

L1373375-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1373375-02 07/08/21 20:33 • (DUP) R3677299-3 07/08/21 20:33

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chromium,Hexavalent	ND	ND	1	0.000		20

L1373385-25 Original Sample (OS) • Duplicate (DUP)

(OS) L1373385-25 07/08/21 20:38 • (DUP) R3677299-8 07/08/21 20:38

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chromium,Hexavalent	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3677299-2 07/08/21 20:32

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Chromium,Hexavalent	24.0	25.1	104	80.0-120	

L1373385-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1373385-10 07/08/21 20:34 • (MS) R3677299-4 07/08/21 20:34 • (MSD) R3677299-5 07/08/21 20:34

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chromium,Hexavalent	20.0	ND	4.88	4.80	24.4	24.0	1	75.0-125	J6	J6	1.65	20

L1373385-10 Original Sample (OS) • Matrix Spike (MS)

(OS) L1373385-10 07/08/21 20:34 • (MS) R3677299-6 07/08/21 20:35

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/kg	mg/kg	mg/kg	%		%	
Chromium,Hexavalent	656	ND	871	133	50	75.0-125	J5

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

L1373379-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1373379-07 07/07/21 14:00 • (DUP) R3676736-2 07/07/21 14:00

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	su	su		%		%
pH	7.98	7.99	1	0.125		1

Sample Narrative:

OS: 7.98 at 22C

DUP: 7.99 at 21.8C

L1373388-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1373388-02 07/07/21 14:00 • (DUP) R3676736-3 07/07/21 14:00

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	su	su		%		%
pH	7.05	7.05	1	0.000		1

Sample Narrative:

OS: 7.05 at 21.7C

DUP: 7.05 at 21.8C

Laboratory Control Sample (LCS)

(LCS) R3676736-1 07/07/21 14:00

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	su	su	%	%	
pH	10.0	10.0	100	99.0-101	

Sample Narrative:

LCS: 10.03 at 21.6C



Method Blank (MB)

(MB) R3676738-1 07/07/21 17:59

Analyte	MB Result umhos/cm	MB Qualifier	MB MDL umhos/cm	MB RDL umhos/cm
Specific Conductance	U		10.0	10.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1373379-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1373379-08 07/07/21 17:59 • (DUP) R3676738-3 07/07/21 17:59

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	378	347	1	8.55		20

L1373388-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1373388-03 07/07/21 17:59 • (DUP) R3676738-4 07/07/21 17:59

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	143	170	1	16.9		20

Laboratory Control Sample (LCS)

(LCS) R3676738-2 07/07/21 17:59

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	899	907	101	85.0-115	

Method Blank (MB)

(MB) R3677340-1 07/08/21 22:36

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Boron	U		1.67	10.0
Cadmium	U		0.0471	0.500
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R3677340-2 07/08/21 22:39

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	95.4	95.4	80.0-120	
Barium	100	101	101	80.0-120	
Boron	100	100	100	80.0-120	
Cadmium	100	95.8	95.8	80.0-120	
Copper	100	97.2	97.2	80.0-120	
Lead	100	97.9	97.9	80.0-120	
Nickel	100	97.8	97.8	80.0-120	
Selenium	100	98.1	98.1	80.0-120	
Silver	20.0	17.4	87.0	80.0-120	
Zinc	100	94.6	94.6	80.0-120	

L1373376-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1373376-18 07/08/21 22:42 • (MS) R3677340-5 07/08/21 22:50 • (MSD) R3677340-6 07/08/21 22:52

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	100	2.24	106	112	104	110	1	75.0-125			5.54	20
Barium	100	92.3	200	202	107	110	1	75.0-125			1.40	20
Boron	100	20.7	125	131	104	110	1	75.0-125			4.93	20
Cadmium	100	ND	106	111	105	111	1	75.0-125			5.11	20
Copper	100	9.08	115	122	105	113	1	75.0-125			6.05	20
Lead	100	19.3	122	127	102	108	1	75.0-125			4.52	20
Nickel	100	16.9	123	129	106	112	1	75.0-125			4.29	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1373376-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1373376-18 07/08/21 22:42 • (MS) R3677340-5 07/08/21 22:50 • (MSD) R3677340-6 07/08/21 22:52

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Selenium	100	ND	104	108	102	107	1	75.0-125			4.41	20
Silver	20.0	ND	19.8	21.0	99.2	105	1	75.0-125			5.71	20
Zinc	100	133	229	229	96.0	95.4	1	75.0-125			0.277	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3677338-1 07/08/21 20:54

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.518	2.00
Barium	0.298	U	0.0852	0.500
Boron	U		1.67	10.0
Cadmium	U		0.0471	0.500
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Zinc	U		0.832	5.00

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Laboratory Control Sample (LCS)

(LCS) R3677338-2 07/08/21 20:57

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	96.1	96.1	80.0-120	
Barium	100	104	104	80.0-120	
Boron	100	99.6	99.6	80.0-120	
Cadmium	100	97.2	97.2	80.0-120	
Copper	100	100	100	80.0-120	
Lead	100	98.7	98.7	80.0-120	
Nickel	100	99.8	99.8	80.0-120	
Selenium	100	97.4	97.4	80.0-120	
Silver	20.0	17.6	88.0	80.0-120	
Zinc	100	95.5	95.5	80.0-120	

L1373376-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1373376-01 07/08/21 21:00 • (MS) R3677338-5 07/08/21 21:08 • (MSD) R3677338-6 07/08/21 21:11

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	100	7.99	107	104	98.7	95.5	1	75.0-125			3.01	20
Barium	100	170	253	261	82.6	90.7	1	75.0-125			3.15	20
Boron	100	13.6	111	110	97.7	96.2	1	75.0-125			1.36	20
Cadmium	100	1.67	97.2	96.0	95.5	94.3	1	75.0-125			1.20	20
Copper	100	14.4	111	110	97.1	95.6	1	75.0-125			1.36	20
Lead	100	6.58	102	100	95.7	93.6	1	75.0-125			2.06	20
Nickel	100	22.9	120	119	97.6	96.5	1	75.0-125			0.893	20

L1373376-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1373376-01 07/08/21 21:00 • (MS) R3677338-5 07/08/21 21:08 • (MSD) R3677338-6 07/08/21 21:11

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Selenium	100	3.74	100	98.1	96.8	94.3	1	75.0-125			2.43	20
Silver	20.0	ND	17.8	17.6	88.9	88.1	1	75.0-125			0.900	20
Zinc	100	62.8	150	150	86.7	87.4	1	75.0-125			0.457	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3677336-1 07/08/21 17:39

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.518	2.00
Barium	0.128	U	0.0852	0.500
Boron	U		1.67	10.0
Cadmium	U		0.0471	0.500
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Zinc	U		0.832	5.00

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Laboratory Control Sample (LCS)

(LCS) R3677336-2 07/08/21 17:41

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	101	101	80.0-120	
Barium	100	107	107	80.0-120	
Boron	100	106	106	80.0-120	
Cadmium	100	102	102	80.0-120	
Copper	100	102	102	80.0-120	
Lead	100	103	103	80.0-120	
Nickel	100	105	105	80.0-120	
Selenium	100	102	102	80.0-120	
Silver	20.0	18.4	92.1	80.0-120	
Zinc	100	101	101	80.0-120	

L1374352-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1374352-02 07/08/21 17:44 • (MS) R3677336-5 07/08/21 17:52 • (MSD) R3677336-6 07/08/21 17:55

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	100	5.56	102	101	96.1	95.9	1	75.0-125			0.206	20
Barium	100	53.5	172	165	118	112	1	75.0-125			4.00	20
Boron	100	10.2	113	108	102	97.8	1	75.0-125			4.21	20
Cadmium	100	ND	98.0	95.3	97.8	95.2	1	75.0-125			2.76	20
Copper	100	12.6	114	130	102	117	1	75.0-125			12.8	20
Lead	100	6.43	106	105	99.6	98.1	1	75.0-125			1.38	20
Nickel	100	11.1	113	112	102	101	1	75.0-125			0.656	20

L1374352-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1374352-02 07/08/21 17:44 • (MS) R3677336-5 07/08/21 17:52 • (MSD) R3677336-6 07/08/21 17:55

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Selenium	100	ND	98.8	98.1	97.7	97.0	1	75.0-125			0.750	20
Silver	20.0	ND	17.3	16.9	86.7	84.3	1	75.0-125			2.89	20
Zinc	100	146	280	305	134	159	1	75.0-125	J5	J5	8.55	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3677654-2 07/09/21 03:10

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	108			77.0-120

Laboratory Control Sample (LCS)

(LCS) R3677654-1 07/09/21 02:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.53	101	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			96.9	77.0-120	

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R3676996-2 07/08/21 07:04

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	0.0315	⬇	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	106			77.0-120

Laboratory Control Sample (LCS)

(LCS) R3676996-1 07/08/21 06:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.83	106	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			114	77.0-120	

L1373007-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1373007-02 07/08/21 15:18 • (MS) R3676996-3 07/08/21 17:42 • (MSD) R3676996-4 07/08/21 18:06

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	153	ND	121	127	97.3	102	25	10.0-151			4.84	28
(S) a,a,a-Trifluorotoluene(FID)					115	115		77.0-120				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3677641-2 07/08/21 15:31

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	107			77.0-120

Laboratory Control Sample (LCS)

(LCS) R3677641-1 07/08/21 14:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	4.66	84.7	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			98.6	77.0-120	

L1373836-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1373836-03 07/08/21 23:54 • (MS) R3677641-3 07/09/21 00:15 • (MSD) R3677641-4 07/09/21 00:37

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	10500	3210	8510	8750	66.0	69.0	1460	10.0-151			2.78	28
(S) a,a,a-Trifluorotoluene(FID)					97.6	99.3		77.0-120				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3677156-3 07/06/21 10:26

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00250
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3677156-3 07/06/21 10:26

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	96.5			75.0-131
(S) 4-Bromofluorobenzene	101			67.0-138
(S) 1,2-Dichloroethane-d4	99.0			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R3677156-1 07/06/21 09:09 • (LCSD) R3677156-2 07/06/21 09:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.737	0.687	118	110	10.0-160			7.02	31
Acrylonitrile	0.625	0.604	0.633	96.6	101	45.0-153			4.69	22
Benzene	0.125	0.138	0.146	110	117	70.0-123			5.63	20
Bromobenzene	0.125	0.126	0.130	101	104	73.0-121			3.12	20
Bromodichloromethane	0.125	0.133	0.135	106	108	73.0-121			1.49	20

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

(LCS) R3677156-1 07/06/21 09:09 • (LCSD) R3677156-2 07/06/21 09:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Bromoform	0.125	0.112	0.119	89.6	95.2	64.0-132			6.06	20
Bromomethane	0.125	0.161	0.155	129	124	56.0-147			3.80	20
n-Butylbenzene	0.125	0.117	0.125	93.6	100	68.0-135			6.61	20
sec-Butylbenzene	0.125	0.119	0.125	95.2	100	74.0-130			4.92	20
tert-Butylbenzene	0.125	0.120	0.125	96.0	100	75.0-127			4.08	20
Carbon tetrachloride	0.125	0.140	0.141	112	113	66.0-128			0.712	20
Chlorobenzene	0.125	0.120	0.131	96.0	105	76.0-128			8.76	20
Chlorodibromomethane	0.125	0.114	0.122	91.2	97.6	74.0-127			6.78	20
Chloroethane	0.125	0.136	0.130	109	104	61.0-134			4.51	20
Chloroform	0.125	0.139	0.141	111	113	72.0-123			1.43	20
Chloromethane	0.125	0.140	0.132	112	106	51.0-138			5.88	20
2-Chlorotoluene	0.125	0.124	0.128	99.2	102	75.0-124			3.17	20
4-Chlorotoluene	0.125	0.130	0.134	104	107	75.0-124			3.03	20
1,2-Dibromo-3-Chloropropane	0.125	0.121	0.129	96.8	103	59.0-130			6.40	20
1,2-Dibromoethane	0.125	0.126	0.133	101	106	74.0-128			5.41	20
Dibromomethane	0.125	0.131	0.139	105	111	75.0-122			5.93	20
1,2-Dichlorobenzene	0.125	0.133	0.137	106	110	76.0-124			2.96	20
1,3-Dichlorobenzene	0.125	0.128	0.134	102	107	76.0-125			4.58	20
1,4-Dichlorobenzene	0.125	0.124	0.129	99.2	103	77.0-121			3.95	20
Dichlorodifluoromethane	0.125	0.125	0.129	100	103	43.0-156			3.15	20
1,1-Dichloroethane	0.125	0.123	0.125	98.4	100	70.0-127			1.61	20
1,2-Dichloroethane	0.125	0.149	0.152	119	122	65.0-131			1.99	20
1,1-Dichloroethene	0.125	0.135	0.128	108	102	65.0-131			5.32	20
cis-1,2-Dichloroethene	0.125	0.121	0.130	96.8	104	73.0-125			7.17	20
trans-1,2-Dichloroethene	0.125	0.121	0.126	96.8	101	71.0-125			4.05	20
1,2-Dichloropropane	0.125	0.120	0.133	96.0	106	74.0-125			10.3	20
1,1-Dichloropropene	0.125	0.141	0.147	113	118	73.0-125			4.17	20
1,3-Dichloropropane	0.125	0.132	0.136	106	109	80.0-125			2.99	20
cis-1,3-Dichloropropene	0.125	0.131	0.138	105	110	76.0-127			5.20	20
trans-1,3-Dichloropropene	0.125	0.127	0.132	102	106	73.0-127			3.86	20
2,2-Dichloropropane	0.125	0.148	0.145	118	116	59.0-135			2.05	20
Di-isopropyl ether	0.125	0.145	0.143	116	114	60.0-136			1.39	20
Ethylbenzene	0.125	0.126	0.132	101	106	74.0-126			4.65	20
Hexachloro-1,3-butadiene	0.125	0.129	0.132	103	106	57.0-150			2.30	20
Isopropylbenzene	0.125	0.121	0.129	96.8	103	72.0-127			6.40	20
p-Isopropyltoluene	0.125	0.120	0.126	96.0	101	72.0-133			4.88	20
2-Butanone (MEK)	0.625	0.741	0.702	119	112	30.0-160			5.41	24
Methylene Chloride	0.125	0.126	0.129	101	103	68.0-123			2.35	20
4-Methyl-2-pentanone (MIBK)	0.625	0.630	0.634	101	101	56.0-143			0.633	20
Methyl tert-butyl ether	0.125	0.149	0.147	119	118	66.0-132			1.35	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R3677156-1 07/06/21 09:09 • (LCSD) R3677156-2 07/06/21 09:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Naphthalene	0.125	0.161	0.164	129	131	59.0-130		J4	1.85	20
n-Propylbenzene	0.125	0.124	0.128	99.2	102	74.0-126			3.17	20
Styrene	0.125	0.117	0.123	93.6	98.4	72.0-127			5.00	20
1,1,1,2-Tetrachloroethane	0.125	0.121	0.131	96.8	105	74.0-129			7.94	20
1,1,2,2-Tetrachloroethane	0.125	0.122	0.127	97.6	102	68.0-128			4.02	20
Tetrachloroethene	0.125	0.121	0.133	96.8	106	70.0-136			9.45	20
Toluene	0.125	0.123	0.131	98.4	105	75.0-121			6.30	20
1,1,2-Trichlorotrifluoroethane	0.125	0.120	0.120	96.0	96.0	61.0-139			0.000	20
1,2,3-Trichlorobenzene	0.125	0.159	0.174	127	139	59.0-139			9.01	20
1,2,4-Trichlorobenzene	0.125	0.142	0.154	114	123	62.0-137			8.11	20
1,1,1-Trichloroethane	0.125	0.133	0.139	106	111	69.0-126			4.41	20
1,1,2-Trichloroethane	0.125	0.115	0.120	92.0	96.0	78.0-123			4.26	20
Trichloroethene	0.125	0.132	0.133	106	106	76.0-126			0.755	20
Trichlorofluoromethane	0.125	0.126	0.121	101	96.8	61.0-142			4.05	20
1,2,3-Trichloropropane	0.125	0.124	0.128	99.2	102	67.0-129			3.17	20
1,2,3-Trimethylbenzene	0.125	0.0968	0.102	77.4	81.6	74.0-124			5.23	20
1,2,4-Trimethylbenzene	0.125	0.114	0.123	91.2	98.4	70.0-126			7.59	20
1,3,5-Trimethylbenzene	0.125	0.121	0.127	96.8	102	73.0-127			4.84	20
Vinyl chloride	0.125	0.133	0.136	106	109	63.0-134			2.23	20
Xylenes, Total	0.375	0.376	0.390	100	104	72.0-127			3.66	20
(S) Toluene-d8				93.8	94.8	75.0-131				
(S) 4-Bromofluorobenzene				100	102	67.0-138				
(S) 1,2-Dichloroethane-d4				105	106	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3677157-3 07/06/21 10:26

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00250
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3677157-3 07/06/21 10:26

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	96.5			75.0-131
(S) 4-Bromofluorobenzene	101			67.0-138
(S) 1,2-Dichloroethane-d4	99.0			70.0-130

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

(LCS) R3677157-1 07/06/21 09:09 • (LCSD) R3677157-2 07/06/21 09:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.737	0.687	118	110	10.0-160			7.02	31
Acrylonitrile	0.625	0.604	0.633	96.6	101	45.0-153			4.69	22
Benzene	0.125	0.138	0.146	110	117	70.0-123			5.63	20
Bromobenzene	0.125	0.126	0.130	101	104	73.0-121			3.12	20
Bromodichloromethane	0.125	0.133	0.135	106	108	73.0-121			1.49	20

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

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

(LCS) R3677157-1 07/06/21 09:09 • (LCSD) R3677157-2 07/06/21 09:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Bromoform	0.125	0.112	0.119	89.6	95.2	64.0-132			6.06	20
Bromomethane	0.125	0.161	0.155	129	124	56.0-147			3.80	20
n-Butylbenzene	0.125	0.117	0.125	93.6	100	68.0-135			6.61	20
sec-Butylbenzene	0.125	0.119	0.125	95.2	100	74.0-130			4.92	20
tert-Butylbenzene	0.125	0.120	0.125	96.0	100	75.0-127			4.08	20
Carbon tetrachloride	0.125	0.140	0.141	112	113	66.0-128			0.712	20
Chlorobenzene	0.125	0.120	0.131	96.0	105	76.0-128			8.76	20
Chlorodibromomethane	0.125	0.114	0.122	91.2	97.6	74.0-127			6.78	20
Chloroethane	0.125	0.136	0.130	109	104	61.0-134			4.51	20
Chloroform	0.125	0.139	0.141	111	113	72.0-123			1.43	20
Chloromethane	0.125	0.140	0.132	112	106	51.0-138			5.88	20
2-Chlorotoluene	0.125	0.124	0.128	99.2	102	75.0-124			3.17	20
4-Chlorotoluene	0.125	0.130	0.134	104	107	75.0-124			3.03	20
1,2-Dibromo-3-Chloropropane	0.125	0.121	0.129	96.8	103	59.0-130			6.40	20
1,2-Dibromoethane	0.125	0.126	0.133	101	106	74.0-128			5.41	20
Dibromomethane	0.125	0.131	0.139	105	111	75.0-122			5.93	20
1,2-Dichlorobenzene	0.125	0.133	0.137	106	110	76.0-124			2.96	20
1,3-Dichlorobenzene	0.125	0.128	0.134	102	107	76.0-125			4.58	20
1,4-Dichlorobenzene	0.125	0.124	0.129	99.2	103	77.0-121			3.95	20
Dichlorodifluoromethane	0.125	0.125	0.129	100	103	43.0-156			3.15	20
1,1-Dichloroethane	0.125	0.123	0.125	98.4	100	70.0-127			1.61	20
1,2-Dichloroethane	0.125	0.149	0.152	119	122	65.0-131			1.99	20
1,1-Dichloroethene	0.125	0.135	0.128	108	102	65.0-131			5.32	20
cis-1,2-Dichloroethene	0.125	0.121	0.130	96.8	104	73.0-125			7.17	20
trans-1,2-Dichloroethene	0.125	0.121	0.126	96.8	101	71.0-125			4.05	20
1,2-Dichloropropane	0.125	0.120	0.133	96.0	106	74.0-125			10.3	20
1,1-Dichloropropene	0.125	0.141	0.147	113	118	73.0-125			4.17	20
1,3-Dichloropropane	0.125	0.132	0.136	106	109	80.0-125			2.99	20
cis-1,3-Dichloropropene	0.125	0.131	0.138	105	110	76.0-127			5.20	20
trans-1,3-Dichloropropene	0.125	0.127	0.132	102	106	73.0-127			3.86	20
2,2-Dichloropropane	0.125	0.148	0.145	118	116	59.0-135			2.05	20
Di-isopropyl ether	0.125	0.145	0.143	116	114	60.0-136			1.39	20
Ethylbenzene	0.125	0.126	0.132	101	106	74.0-126			4.65	20
Hexachloro-1,3-butadiene	0.125	0.129	0.132	103	106	57.0-150			2.30	20
Isopropylbenzene	0.125	0.121	0.129	96.8	103	72.0-127			6.40	20
p-Isopropyltoluene	0.125	0.120	0.126	96.0	101	72.0-133			4.88	20
2-Butanone (MEK)	0.625	0.741	0.702	119	112	30.0-160			5.41	24
Methylene Chloride	0.125	0.126	0.129	101	103	68.0-123			2.35	20
4-Methyl-2-pentanone (MIBK)	0.625	0.630	0.634	101	101	56.0-143			0.633	20
Methyl tert-butyl ether	0.125	0.149	0.147	119	118	66.0-132			1.35	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R3677157-1 07/06/21 09:09 • (LCSD) R3677157-2 07/06/21 09:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.161	0.164	129	131	59.0-130		J4	1.85	20
n-Propylbenzene	0.125	0.124	0.128	99.2	102	74.0-126			3.17	20
Styrene	0.125	0.117	0.123	93.6	98.4	72.0-127			5.00	20
1,1,1,2-Tetrachloroethane	0.125	0.121	0.131	96.8	105	74.0-129			7.94	20
1,1,2,2-Tetrachloroethane	0.125	0.122	0.127	97.6	102	68.0-128			4.02	20
Tetrachloroethene	0.125	0.121	0.133	96.8	106	70.0-136			9.45	20
Toluene	0.125	0.123	0.131	98.4	105	75.0-121			6.30	20
1,1,2-Trichlorotrifluoroethane	0.125	0.120	0.120	96.0	96.0	61.0-139			0.000	20
1,2,3-Trichlorobenzene	0.125	0.159	0.174	127	139	59.0-139			9.01	20
1,2,4-Trichlorobenzene	0.125	0.142	0.154	114	123	62.0-137			8.11	20
1,1,1-Trichloroethane	0.125	0.133	0.139	106	111	69.0-126			4.41	20
1,1,2-Trichloroethane	0.125	0.115	0.120	92.0	96.0	78.0-123			4.26	20
Trichloroethene	0.125	0.132	0.133	106	106	76.0-126			0.755	20
Trichlorofluoromethane	0.125	0.126	0.121	101	96.8	61.0-142			4.05	20
1,2,3-Trichloropropane	0.125	0.124	0.128	99.2	102	67.0-129			3.17	20
1,2,3-Trimethylbenzene	0.125	0.0968	0.102	77.4	81.6	74.0-124			5.23	20
1,2,4-Trimethylbenzene	0.125	0.114	0.123	91.2	98.4	70.0-126			7.59	20
1,3,5-Trimethylbenzene	0.125	0.121	0.127	96.8	102	73.0-127			4.84	20
Vinyl chloride	0.125	0.133	0.136	106	109	63.0-134			2.23	20
Xylenes, Total	0.375	0.376	0.390	100	104	72.0-127			3.66	20
(S) Toluene-d8				93.8	94.8	75.0-131				
(S) 4-Bromofluorobenzene				100	102	67.0-138				
(S) 1,2-Dichloroethane-d4				105	106	70.0-130				

L1373385-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1373385-21 07/06/21 21:38 • (MS) R3677157-4 07/07/21 00:30 • (MSD) R3677157-5 07/07/21 00:49

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	ND	0.386	0.394	61.8	63.0	1	10.0-160			2.05	40
Acrylonitrile	0.625	ND	0.506	0.512	81.0	81.9	1	10.0-160			1.18	40
Benzene	0.125	ND	0.0757	0.128	60.6	102	1	10.0-149		J3	51.4	37
Bromobenzene	0.125	ND	0.0940	0.131	75.2	105	1	10.0-156			32.9	38
Bromodichloromethane	0.125	ND	0.0907	0.120	72.6	96.0	1	10.0-143			27.8	37
Bromoform	0.125	ND	0.0946	0.110	75.7	88.0	1	10.0-146			15.1	36
Bromomethane	0.125	ND	0.0519	0.0990	41.5	79.2	1	10.0-149		J3	62.4	38
n-Butylbenzene	0.125	ND	0.0987	0.104	79.0	83.2	1	10.0-160			5.23	40
sec-Butylbenzene	0.125	ND	0.0608	0.111	48.6	88.8	1	10.0-159		J3	58.4	39
tert-Butylbenzene	0.125	ND	0.0593	0.114	47.4	91.2	1	10.0-156		J3	63.1	39

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

L1373385-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1373385-21 07/06/21 21:38 • (MS) R3677157-4 07/07/21 00:30 • (MSD) R3677157-5 07/07/21 00:49

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Carbon tetrachloride	0.125	ND	0.0509	0.118	40.7	94.4	1	10.0-145		J3	79.5	37
Chlorobenzene	0.125	ND	0.0783	0.120	62.6	96.0	1	10.0-152		J3	42.1	39
Chlorodibromomethane	0.125	ND	0.0878	0.115	70.2	92.0	1	10.0-146			26.8	37
Chloroethane	0.125	ND	0.0310	0.0521	24.8	41.7	1	10.0-146		J3	50.8	40
Chloroform	0.125	ND	0.0790	0.120	63.2	96.0	1	10.0-146		J3	41.2	37
Chloromethane	0.125	ND	0.0545	0.109	43.6	87.2	1	10.0-159		J3	66.7	37
2-Chlorotoluene	0.125	ND	0.0739	0.117	59.1	93.6	1	10.0-159		J3	45.2	38
4-Chlorotoluene	0.125	ND	0.0815	0.126	65.2	101	1	10.0-155		J3	42.9	39
1,2-Dibromo-3-Chloropropane	0.125	ND	0.0997	0.111	79.8	88.8	1	10.0-151			10.7	39
1,2-Dibromoethane	0.125	ND	0.115	0.130	92.0	104	1	10.0-148			12.2	34
Dibromomethane	0.125	ND	0.106	0.126	84.8	101	1	10.0-147			17.2	35
1,2-Dichlorobenzene	0.125	ND	0.0928	0.122	74.2	97.6	1	10.0-155			27.2	37
1,3-Dichlorobenzene	0.125	ND	0.0819	0.118	65.5	94.4	1	10.0-153			36.1	38
1,4-Dichlorobenzene	0.125	ND	0.0841	0.115	67.3	92.0	1	10.0-151			31.0	38
Dichlorodifluoromethane	0.125	ND	0.0349	0.107	27.9	85.6	1	10.0-160		J3	102	35
1,1-Dichloroethane	0.125	ND	0.0643	0.110	51.4	88.0	1	10.0-147		J3	52.4	37
1,2-Dichloroethane	0.125	ND	0.110	0.133	88.0	106	1	10.0-148			18.9	35
1,1-Dichloroethene	0.125	ND	0.0453	0.112	36.2	89.6	1	10.0-155		J3	84.8	37
cis-1,2-Dichloroethene	0.125	ND	0.0726	0.106	58.1	84.8	1	10.0-149		J3	37.4	37
trans-1,2-Dichloroethene	0.125	ND	0.0560	0.111	44.8	88.8	1	10.0-150		J3	65.9	37
1,2-Dichloropropane	0.125	ND	0.0843	0.123	67.4	98.4	1	10.0-148		J3	37.3	37
1,1-Dichloropropene	0.125	ND	0.0548	0.125	43.8	100	1	10.0-153		J3	78.1	35
1,3-Dichloropropane	0.125	ND	0.109	0.135	87.2	108	1	10.0-154			21.3	35
cis-1,3-Dichloropropene	0.125	ND	0.0920	0.123	73.6	98.4	1	10.0-151			28.8	37
trans-1,3-Dichloropropene	0.125	ND	0.0951	0.124	76.1	99.2	1	10.0-148			26.4	37
2,2-Dichloropropane	0.125	ND	0.0450	0.0803	36.0	64.2	1	10.0-138		J3	56.3	36
Di-isopropyl ether	0.125	ND	0.0848	0.116	67.8	92.8	1	10.0-147			31.1	36
Ethylbenzene	0.125	ND	0.0675	0.113	54.0	90.4	1	10.0-160		J3	50.4	38
Hexachloro-1,3-butadiene	0.125	ND	0.0553	0.105	44.2	84.0	1	10.0-160		J3	62.0	40
Isopropylbenzene	0.125	ND	0.0583	0.106	46.6	84.8	1	10.0-155		J3	58.1	38
p-Isopropyltoluene	0.125	ND	0.0676	0.104	54.1	83.2	1	10.0-160		J3	42.4	40
2-Butanone (MEK)	0.625	ND	0.636	0.698	102	112	1	10.0-160			9.30	40
Methylene Chloride	0.125	ND	0.0792	0.123	63.4	98.4	1	10.0-141		J3	43.3	37
4-Methyl-2-pentanone (MIBK)	0.625	ND	0.576	0.621	92.2	99.4	1	10.0-160			7.52	35
Methyl tert-butyl ether	0.125	ND	0.0805	0.101	64.4	80.8	1	11.0-147			22.6	35
Naphthalene	0.125	ND	0.348	0.143	278	114	1	10.0-160	J5	J3	83.5	36
n-Propylbenzene	0.125	ND	0.0736	0.117	58.9	93.6	1	10.0-158		J3	45.5	38
Styrene	0.125	ND	0.0776	0.113	62.1	90.4	1	10.0-160			37.1	40
1,1,1,2-Tetrachloroethane	0.125	ND	0.0778	0.109	62.2	87.2	1	10.0-149			33.4	39
1,1,2,2-Tetrachloroethane	0.125	ND	0.109	0.119	87.2	95.2	1	10.0-160			8.77	35

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1373385-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1373385-21 07/06/21 21:38 • (MS) R3677157-4 07/07/21 00:30 • (MSD) R3677157-5 07/07/21 00:49

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Tetrachloroethene	0.125	ND	0.0570	0.114	45.6	91.2	1	10.0-156		J3	66.7	39
Toluene	0.125	ND	0.0708	0.122	56.6	97.6	1	10.0-156		J3	53.1	38
1,1,2-Trichlorotrifluoroethane	0.125	ND	0.0343	0.108	27.4	86.4	1	10.0-160		J3	104	36
1,2,3-Trichlorobenzene	0.125	ND	0.126	0.143	101	114	1	10.0-160			12.6	40
1,2,4-Trichlorobenzene	0.125	ND	0.0907	0.117	72.6	93.6	1	10.0-160			25.3	40
1,1,1-Trichloroethane	0.125	ND	0.0504	0.117	40.3	93.6	1	10.0-144		J3	79.6	35
1,1,2-Trichloroethane	0.125	ND	0.0977	0.125	78.2	100	1	10.0-160			24.5	35
Trichloroethene	0.125	ND	0.0715	0.135	57.2	108	1	10.0-156		J3	61.5	38
Trichlorofluoromethane	0.125	ND	0.0197	0.0659	15.8	52.7	1	10.0-160		J3	108	40
1,2,3-Trichloropropane	0.125	ND	0.111	0.131	88.8	105	1	10.0-156			16.5	35
1,2,3-Trimethylbenzene	0.125	ND	0.0609	0.0867	48.7	69.4	1	10.0-160			35.0	36
1,2,4-Trimethylbenzene	0.125	ND	0.0796	0.106	63.7	84.8	1	10.0-160			28.4	36
1,3,5-Trimethylbenzene	0.125	ND	0.0757	0.107	60.6	85.6	1	10.0-160			34.3	38
Vinyl chloride	0.125	ND	0.0494	0.113	39.5	90.4	1	10.0-160		J3	78.3	37
Xylenes, Total	0.375	ND	0.207	0.350	55.2	93.3	1	10.0-160		J3	51.3	38
(S) Toluene-d8					98.9	98.0		75.0-131				
(S) 4-Bromofluorobenzene					101	98.9		67.0-138				
(S) 1,2-Dichloroethane-d4					97.4	96.0		70.0-130				

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R3676940-1 07/07/21 14:30

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) High Fraction	U		0.769	4.00
(S) o-Terphenyl	65.2			18.0-148

Laboratory Control Sample (LCS)

(LCS) R3676940-2 07/07/21 14:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) High Fraction	50.0	36.3	72.6	50.0-150	
(S) o-Terphenyl			75.7	18.0-148	

L1373385-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1373385-07 07/07/21 15:52 • (MS) R3676940-3 07/07/21 16:06 • (MSD) R3676940-4 07/07/21 16:20

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	49.2	ND	30.0	34.3	61.0	70.1	1	50.0-150			13.4	20
(S) o-Terphenyl					57.8	64.9		18.0-148				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3677035-1 07/08/21 10:41

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) High Fraction	U		0.769	4.00
(S) o-Terphenyl	64.1			18.0-148

Laboratory Control Sample (LCS)

(LCS) R3677035-2 07/08/21 10:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) High Fraction	50.0	36.4	72.8	50.0-150	
(S) o-Terphenyl			74.8	18.0-148	

L1372740-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1372740-18 07/08/21 11:50 • (MS) R3677035-3 07/08/21 12:03 • (MSD) R3677035-4 07/08/21 12:17

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	48.6	6.14	43.5	46.8	76.9	83.3	1	50.0-150			7.31	20
(S) o-Terphenyl					52.9	67.1		18.0-148				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3676288-2 07/06/21 13:07

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-oxybis(1-chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
1,2-Dichlorobenzene	U		0.00987	0.333
1,3-Dichlorobenzene	U		0.0101	0.333
1,4-Dichlorobenzene	U		0.00991	0.333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
1-Methylnaphthalene	U		0.00426	0.0333
2-Methylnaphthalene	U		0.00432	0.0333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3676288-2 07/06/21 13:07

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Phenol	U		0.0134	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
(S) Nitrobenzene-d5	64.0			10.0-122
(S) 2-Fluorobiphenyl	64.6			15.0-120
(S) p-Terphenyl-d14	62.2			10.0-120
(S) Phenol-d5	63.2			10.0-120
(S) 2-Fluorophenol	64.1			12.0-120
(S) 2,4,6-Tribromophenol	59.3			10.0-127

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3676288-1 07/06/21 12:46

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.399	59.9	38.0-120	
Acenaphthylene	0.666	0.435	65.3	40.0-120	
Anthracene	0.666	0.440	66.1	42.0-120	
Benzidine	1.33	0.613	46.1	10.0-120	
Benzo(a)anthracene	0.666	0.490	73.6	44.0-120	
Benzo(b)fluoranthene	0.666	0.444	66.7	43.0-120	
Benzo(k)fluoranthene	0.666	0.443	66.5	44.0-120	
Benzo(g,h,i)perylene	0.666	0.446	67.0	43.0-120	
Benzo(a)pyrene	0.666	0.459	68.9	45.0-120	

Laboratory Control Sample (LCS)

(LCS) R3676288-1 07/06/21 12:46

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bis(2-chlorethoxy)methane	0.666	0.349	52.4	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.443	66.5	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.382	57.4	23.0-120	
4-Bromophenyl-phenylether	0.666	0.429	64.4	40.0-120	
2-Chloronaphthalene	0.666	0.412	61.9	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.470	70.6	40.0-120	
Chrysene	0.666	0.447	67.1	43.0-120	
Dibenz(a,h)anthracene	0.666	0.460	69.1	44.0-120	
1,2-Dichlorobenzene	0.666	0.395	59.3	32.0-120	
1,3-Dichlorobenzene	0.666	0.379	56.9	30.0-120	
1,4-Dichlorobenzene	0.666	0.381	57.2	31.0-120	
3,3-Dichlorobenzidine	1.33	0.840	63.2	28.0-120	
2,4-Dinitrotoluene	0.666	0.540	81.1	45.0-120	
2,6-Dinitrotoluene	0.666	0.480	72.1	42.0-120	
Fluoranthene	0.666	0.471	70.7	44.0-120	
Fluorene	0.666	0.435	65.3	41.0-120	
Hexachlorobenzene	0.666	0.414	62.2	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.410	61.6	15.0-120	
Hexachlorocyclopentadiene	0.666	0.465	69.8	15.0-120	
Hexachloroethane	0.666	0.434	65.2	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.483	72.5	45.0-120	
Isophorone	0.666	0.390	58.6	23.0-120	
1-Methylnaphthalene	0.666	0.350	52.6	34.0-120	
2-Methylnaphthalene	0.666	0.336	50.5	34.0-120	
Naphthalene	0.666	0.326	48.9	18.0-120	
Nitrobenzene	0.666	0.379	56.9	17.0-120	
n-Nitrosodimethylamine	0.666	0.407	61.1	10.0-125	
n-Nitrosodiphenylamine	0.666	0.421	63.2	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.422	63.4	26.0-120	
Phenanthrene	0.666	0.435	65.3	42.0-120	
Benzylbutyl phthalate	0.666	0.561	84.2	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.533	80.0	41.0-120	
Di-n-butyl phthalate	0.666	0.482	72.4	43.0-120	
Diethyl phthalate	0.666	0.525	78.8	43.0-120	
Dimethyl phthalate	0.666	0.481	72.2	43.0-120	
Di-n-octyl phthalate	0.666	0.572	85.9	40.0-120	
Pyrene	0.666	0.476	71.5	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.378	56.8	17.0-120	
4-Chloro-3-methylphenol	0.666	0.391	58.7	28.0-120	
2-Chlorophenol	0.666	0.416	62.5	28.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3676288-1 07/06/21 12:46

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,4-Dichlorophenol	0.666	0.404	60.7	25.0-120	
2,4-Dimethylphenol	0.666	0.396	59.5	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.533	80.0	16.0-120	
2,4-Dinitrophenol	0.666	0.434	65.2	10.0-120	
2-Nitrophenol	0.666	0.400	60.1	20.0-120	
4-Nitrophenol	0.666	0.455	68.3	27.0-120	
Pentachlorophenol	0.666	0.428	64.3	29.0-120	
Phenol	0.666	0.398	59.8	28.0-120	
2,4,6-Trichlorophenol	0.666	0.443	66.5	37.0-120	
(S) Nitrobenzene-d5			52.9	10.0-122	
(S) 2-Fluorobiphenyl			61.6	15.0-120	
(S) p-Terphenyl-d14			57.7	10.0-120	
(S) Phenol-d5			62.0	10.0-120	
(S) 2-Fluorophenol			64.0	12.0-120	
(S) 2,4,6-Tribromophenol			70.1	10.0-127	

L1373385-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1373385-01 07/06/21 14:49 • (MS) R3676288-3 07/06/21 15:10 • (MSD) R3676288-4 07/06/21 15:31

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.634	ND	0.355	0.257	56.0	40.2	1	18.0-120			32.0	32
Acenaphthylene	0.634	ND	0.389	0.278	61.4	43.4	1	25.0-120	J3		33.3	32
Anthracene	0.634	ND	0.385	0.276	60.7	43.1	1	22.0-120	J3		33.0	29
Benzidine	1.27	ND	ND	ND	35.1	20.7	1	10.0-120	J3		50.9	40
Benzo(a)anthracene	0.634	ND	0.446	0.317	70.3	49.5	1	25.0-120	J3		33.8	29
Benzo(b)fluoranthene	0.634	ND	0.399	0.284	62.9	44.4	1	19.0-122	J3		33.7	31
Benzo(k)fluoranthene	0.634	ND	0.395	0.275	62.3	43.0	1	23.0-120	J3		35.8	30
Benzo(g,h,i)perylene	0.634	ND	0.387	0.280	61.0	43.8	1	10.0-120			32.1	33
Benzo(a)pyrene	0.634	ND	0.398	0.287	62.8	44.8	1	24.0-120	J3		32.4	30
Bis(2-chlorethoxy)methane	0.634	ND	ND	ND	49.1	35.5	1	10.0-120			31.2	34
Bis(2-chloroethyl)ether	0.634	ND	0.377	ND	59.5	43.0	1	10.0-120			31.3	40
2,2-Oxybis(1-Chloropropane)	0.634	ND	0.352	ND	55.5	37.7	1	10.0-120			37.4	40
4-Bromophenyl-phenylether	0.634	ND	0.375	ND	59.1	42.2	1	27.0-120	J3		32.6	30
2-Chloronaphthalene	0.634	ND	0.371	0.263	58.5	41.1	1	20.0-120	J3		34.1	32
4-Chlorophenyl-phenylether	0.634	ND	0.426	ND	67.2	47.3	1	24.0-120	J3		33.7	29
Chrysene	0.634	ND	0.400	0.288	63.1	45.0	1	21.0-120	J3		32.6	29
Dibenz(a,h)anthracene	0.634	ND	0.397	0.283	62.6	44.2	1	10.0-120	J3		33.5	32
3,3-Dichlorobenzidine	1.27	ND	0.796	0.580	62.7	45.3	1	10.0-120			31.4	34

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1373385-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1373385-01 07/06/21 14:49 • (MS) R3676288-3 07/06/21 15:10 • (MSD) R3676288-4 07/06/21 15:31

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,4-Dinitrotoluene	0.634	ND	0.466	0.340	73.5	53.1	1	30.0-120		U3	31.3	31
2,6-Dinitrotoluene	0.634	ND	0.407	ND	64.2	45.8	1	25.0-120		U3	32.6	31
Fluoranthene	0.634	ND	0.411	0.297	64.8	46.4	1	18.0-126		U3	32.2	32
Fluorene	0.634	ND	0.387	0.279	61.0	43.6	1	25.0-120		U3	32.4	30
Hexachlorobenzene	0.634	ND	0.348	ND	54.9	40.8	1	27.0-120		U3	28.6	28
Hexachloro-1,3-butadiene	0.634	ND	0.362	ND	57.1	39.7	1	10.0-120			35.1	38
Hexachlorocyclopentadiene	0.634	ND	0.353	ND	55.7	37.8	1	10.0-120			37.3	40
Hexachloroethane	0.634	ND	0.369	ND	58.2	40.6	1	10.0-120			34.7	40
Indeno(1,2,3-cd)pyrene	0.634	ND	0.416	0.303	65.6	47.3	1	10.0-120			31.4	32
Isophorone	0.634	ND	0.338	ND	53.3	38.9	1	13.0-120			30.3	34
Naphthalene	0.634	ND	0.285	0.209	45.0	32.7	1	10.0-120			30.8	35
Nitrobenzene	0.634	ND	ND	ND	49.4	37.3	1	10.0-120			26.8	36
n-Nitrosodimethylamine	0.634	ND	0.357	ND	56.3	39.2	1	10.0-127			34.9	40
n-Nitrosodiphenylamine	0.634	ND	0.368	ND	58.0	42.5	1	17.0-120		U3	30.0	29
n-Nitrosodi-n-propylamine	0.634	ND	0.355	ND	56.0	41.1	1	10.0-120			29.8	37
Phenanthrene	0.634	ND	0.381	0.278	60.1	43.4	1	17.0-120		U3	31.3	31
Benzylbutyl phthalate	0.634	ND	0.512	0.367	80.8	57.3	1	23.0-120		U3	33.0	30
Bis(2-ethylhexyl)phthalate	0.634	ND	0.489	0.347	77.1	54.2	1	17.0-126		U3	34.0	30
Di-n-butyl phthalate	0.634	ND	0.425	ND	67.0	47.5	1	30.0-120		U3	33.2	29
Diethyl phthalate	0.634	ND	0.470	0.340	74.1	53.1	1	26.0-120		U3	32.1	28
Dimethyl phthalate	0.634	ND	0.423	ND	66.7	48.6	1	25.0-120		U3	30.5	29
Di-n-octyl phthalate	0.634	ND	0.518	0.373	81.7	58.3	1	21.0-123		U3	32.5	29
Pyrene	0.634	ND	0.427	0.308	67.4	48.1	1	16.0-121		U3	32.4	32
1,2,4-Trichlorobenzene	0.634	ND	ND	ND	52.1	38.4	1	12.0-120			29.2	37
4-Chloro-3-methylphenol	0.634	ND	0.344	ND	54.3	39.2	1	15.0-120		U3	31.3	30
2-Chlorophenol	0.634	ND	0.357	ND	56.3	41.4	1	15.0-120			29.6	37
2,4-Dichlorophenol	0.634	ND	0.347	ND	54.7	40.5	1	20.0-120			29.0	31
2,4-Dimethylphenol	0.634	ND	0.333	ND	52.5	37.5	1	10.0-120			32.5	33
4,6-Dinitro-2-methylphenol	0.634	ND	ND	ND	47.0	32.3	1	10.0-120			36.0	39
2,4-Dinitrophenol	0.634	ND	ND	ND	34.9	23.3	1	10.0-121			38.9	40
2-Nitrophenol	0.634	ND	0.363	ND	57.3	40.6	1	12.0-120			33.1	39
4-Nitrophenol	0.634	ND	0.399	ND	62.9	41.1	1	10.0-137		U3	41.1	32
Pentachlorophenol	0.634	ND	ND	ND	33.1	16.6	1	10.0-160		U3	65.8	31
Phenol	0.634	ND	0.347	ND	54.7	38.1	1	12.0-120			34.9	38
2,4,6-Trichlorophenol	0.634	ND	0.397	ND	62.6	44.4	1	19.0-120		U3	33.2	32
(S) Nitrobenzene-d5					57.4	37.2		10.0-122				
(S) 2-Fluorobiphenyl					60.3	42.5		15.0-120				
(S) p-Terphenyl-d14					56.8	40.9		10.0-120				
(S) Phenol-d5					57.7	41.6		10.0-120				
(S) 2-Fluorophenol					58.7	43.0		12.0-120				

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

L1373385-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1373385-01 07/06/21 14:49 • (MS) R3676288-3 07/06/21 15:10 • (MSD) R3676288-4 07/06/21 15:31

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
(S) 2,4,6-Tribromophenol					65.0	47.5		10.0-127				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3677155-2 07/08/21 10:50

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
1,2-Dichlorobenzene	U		0.00987	0.333
1,3-Dichlorobenzene	U		0.0101	0.333
1,4-Dichlorobenzene	U		0.00991	0.333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3677155-2 07/08/21 10:50

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Methylnaphthalene	U		0.00432	0.0333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Phenol	U		0.0134	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
1-Methylnaphthalene	U		0.00426	0.0333
(S) 2-Fluorophenol	58.0			12.0-120
(S) Phenol-d5	57.7			10.0-120
(S) Nitrobenzene-d5	58.9			10.0-122
(S) 2-Fluorobiphenyl	58.0			15.0-120
(S) 2,4,6-Tribromophenol	59.6			10.0-127
(S) p-Terphenyl-d14	57.1			10.0-120

Laboratory Control Sample (LCS)

(LCS) R3677155-1 07/08/21 10:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.382	57.4	38.0-120	
Acenaphthylene	0.666	0.418	62.8	40.0-120	
Anthracene	0.666	0.422	63.4	42.0-120	
Benzidine	1.33	0.620	46.6	10.0-120	
Benzo(a)anthracene	0.666	0.473	71.0	44.0-120	
Benzo(b)fluoranthene	0.666	0.415	62.3	43.0-120	
Benzo(k)fluoranthene	0.666	0.408	61.3	44.0-120	
Benzo(g,h,i)perylene	0.666	0.427	64.1	43.0-120	
Benzo(a)pyrene	0.666	0.419	62.9	45.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3677155-1 07/08/21 10:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Bis(2-chlorethoxy)methane	0.666	0.334	50.2	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.346	52.0	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.376	56.5	23.0-120	
4-Bromophenyl-phenylether	0.666	0.412	61.9	40.0-120	
2-Chloronaphthalene	0.666	0.408	61.3	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.448	67.3	40.0-120	
Chrysene	0.666	0.426	64.0	43.0-120	
Dibenz(a,h)anthracene	0.666	0.426	64.0	44.0-120	
1,2-Dichlorobenzene	0.666	0.388	58.3	32.0-120	
1,3-Dichlorobenzene	0.666	0.378	56.8	30.0-120	
1,4-Dichlorobenzene	0.666	0.380	57.1	31.0-120	
3,3-Dichlorobenzidine	1.33	0.784	58.9	28.0-120	
2,4-Dinitrotoluene	0.666	0.503	75.5	45.0-120	
2,6-Dinitrotoluene	0.666	0.449	67.4	42.0-120	
Fluoranthene	0.666	0.440	66.1	44.0-120	
Fluorene	0.666	0.410	61.6	41.0-120	
Hexachlorobenzene	0.666	0.391	58.7	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.411	61.7	15.0-120	
Hexachlorocyclopentadiene	0.666	0.440	66.1	15.0-120	
Hexachloroethane	0.666	0.400	60.1	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.457	68.6	45.0-120	
Isophorone	0.666	0.371	55.7	23.0-120	
Naphthalene	0.666	0.315	47.3	18.0-120	
Nitrobenzene	0.666	0.365	54.8	17.0-120	
n-Nitrosodimethylamine	0.666	0.412	61.9	10.0-125	
n-Nitrosodiphenylamine	0.666	0.390	58.6	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.410	61.6	26.0-120	
Phenanthrene	0.666	0.410	61.6	42.0-120	
Benzylbutyl phthalate	0.666	0.534	80.2	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.501	75.2	41.0-120	
Di-n-butyl phthalate	0.666	0.463	69.5	43.0-120	
Diethyl phthalate	0.666	0.501	75.2	43.0-120	
Dimethyl phthalate	0.666	0.464	69.7	43.0-120	
Di-n-octyl phthalate	0.666	0.533	80.0	40.0-120	
Pyrene	0.666	0.460	69.1	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.365	54.8	17.0-120	
4-Chloro-3-methylphenol	0.666	0.384	57.7	28.0-120	
2-Chlorophenol	0.666	0.405	60.8	28.0-120	
2,4-Dichlorophenol	0.666	0.381	57.2	25.0-120	
2,4-Dimethylphenol	0.666	0.382	57.4	15.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3677155-1 07/08/21 10:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
4,6-Dinitro-2-methylphenol	0.666	0.528	79.3	16.0-120	
2,4-Dinitrophenol	0.666	0.415	62.3	10.0-120	
2-Methylnaphthalene	0.666	0.322	48.3	34.0-120	
2-Nitrophenol	0.666	0.386	58.0	20.0-120	
4-Nitrophenol	0.666	0.457	68.6	27.0-120	
Pentachlorophenol	0.666	0.435	65.3	29.0-120	
Phenol	0.666	0.377	56.6	28.0-120	
2,4,6-Trichlorophenol	0.666	0.455	68.3	37.0-120	
1-Methylnaphthalene	0.666	0.336	50.5	34.0-120	
(S) 2-Fluorophenol			61.1	12.0-120	
(S) Phenol-d5			57.7	10.0-120	
(S) Nitrobenzene-d5			50.8	10.0-122	
(S) 2-Fluorobiphenyl			61.3	15.0-120	
(S) 2,4,6-Tribromophenol			66.1	10.0-127	
(S) p-Terphenyl-d14			57.4	10.0-120	

L1373385-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1373385-21 07/08/21 18:45 • (MS) R3677155-3 07/08/21 19:05 • (MSD) R3677155-4 07/08/21 19:26

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.662	ND	0.416	0.440	62.8	66.7	1	18.0-120			5.61	32
Acenaphthylene	0.662	ND	0.445	0.472	67.2	71.5	1	25.0-120			5.89	32
Anthracene	0.662	ND	0.466	0.484	70.4	73.3	1	22.0-120			3.79	29
Benzidine	1.32	ND	ND	ND	28.0	35.2	1	10.0-120			22.8	40
Benzo(a)anthracene	0.662	ND	0.512	0.538	77.3	81.5	1	25.0-120			4.95	29
Benzo(b)fluoranthene	0.662	ND	0.462	0.472	69.8	71.5	1	19.0-122			2.14	31
Benzo(k)fluoranthene	0.662	ND	0.440	0.462	66.5	70.0	1	23.0-120			4.88	30
Benzo(g,h,i)perylene	0.662	ND	0.397	0.405	60.0	61.4	1	10.0-120			2.00	33
Benzo(a)pyrene	0.662	ND	0.462	0.482	69.8	73.0	1	24.0-120			4.24	30
Bis(2-chlorethoxy)methane	0.662	ND	0.352	0.371	53.2	56.2	1	10.0-120			5.26	34
Bis(2-chloroethyl)ether	0.662	ND	0.361	0.356	54.5	53.9	1	10.0-120			1.39	40
2,2-Oxybis(1-Chloropropane)	0.662	ND	0.389	0.388	58.8	58.8	1	10.0-120			0.257	40
4-Bromophenyl-phenylether	0.662	ND	0.443	0.468	66.9	70.9	1	27.0-120			5.49	30
2-Chloronaphthalene	0.662	ND	0.422	0.455	63.7	68.9	1	20.0-120			7.53	32
4-Chlorophenyl-phenylether	0.662	ND	0.475	0.517	71.8	78.3	1	24.0-120			8.47	29
Chrysene	0.662	ND	0.461	0.486	69.6	73.6	1	21.0-120			5.28	29
Dibenz(a,h)anthracene	0.662	ND	0.421	0.425	63.6	64.4	1	10.0-120			0.946	32
1,2-Dichlorobenzene	0.662	ND	0.399	0.402	60.3	60.9	1	10.0-120			0.749	38

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

L1373385-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1373385-21 07/08/21 18:45 • (MS) R3677155-3 07/08/21 19:05 • (MSD) R3677155-4 07/08/21 19:26

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,3-Dichlorobenzene	0.662	ND	0.383	0.389	57.9	58.9	1	10.0-120			1.55	40
1,4-Dichlorobenzene	0.662	ND	0.394	0.392	59.5	59.4	1	10.0-120			0.509	39
3,3-Dichlorobenzidine	1.32	ND	0.825	0.908	62.5	68.8	1	10.0-120			9.58	34
2,4-Dinitrotoluene	0.662	ND	0.544	0.578	82.2	87.6	1	30.0-120			6.06	31
2,6-Dinitrotoluene	0.662	ND	0.485	0.505	73.3	76.5	1	25.0-120			4.04	31
Fluoranthene	0.662	ND	0.487	0.515	73.6	78.0	1	18.0-126			5.59	32
Fluorene	0.662	ND	0.446	0.471	67.4	71.4	1	25.0-120			5.45	30
Hexachlorobenzene	0.662	ND	0.422	0.451	63.7	68.3	1	27.0-120			6.64	28
Hexachloro-1,3-butadiene	0.662	ND	0.417	0.424	63.0	64.2	1	10.0-120			1.66	38
Hexachlorocyclopentadiene	0.662	ND	ND	ND	38.1	41.5	1	10.0-120			8.37	40
Hexachloroethane	0.662	ND	0.413	0.411	62.4	62.3	1	10.0-120			0.485	40
Indeno(1,2,3-cd)pyrene	0.662	ND	0.455	0.462	68.7	70.0	1	10.0-120			1.53	32
Isophorone	0.662	ND	0.384	0.410	58.0	62.1	1	13.0-120			6.55	34
Naphthalene	0.662	ND	0.325	0.343	49.1	52.0	1	10.0-120			5.39	35
Nitrobenzene	0.662	ND	0.368	0.389	55.6	58.9	1	10.0-120			5.55	36
n-Nitrosodimethylamine	0.662	ND	0.426	0.420	64.4	63.6	1	10.0-127			1.42	40
n-Nitrosodiphenylamine	0.662	ND	0.440	0.464	66.5	70.3	1	17.0-120			5.31	29
n-Nitrosodi-n-propylamine	0.662	ND	0.431	0.434	65.1	65.8	1	10.0-120			0.694	37
Phenanthrene	0.662	ND	0.457	0.483	69.0	73.2	1	17.0-120			5.53	31
Benzylbutyl phthalate	0.662	ND	0.598	0.638	90.3	96.7	1	23.0-120			6.47	30
Bis(2-ethylhexyl)phthalate	0.662	ND	0.584	0.622	88.2	94.2	1	17.0-126			6.30	30
Di-n-butyl phthalate	0.662	ND	0.504	0.540	76.1	81.8	1	30.0-120			6.90	29
Diethyl phthalate	0.662	ND	0.544	0.577	82.2	87.4	1	26.0-120			5.89	28
Dimethyl phthalate	0.662	ND	0.502	0.526	75.8	79.7	1	25.0-120			4.67	29
Di-n-octyl phthalate	0.662	ND	0.615	0.644	92.9	97.6	1	21.0-123			4.61	29
Pyrene	0.662	ND	0.506	0.531	76.4	80.5	1	16.0-121			4.82	32
1,2,4-Trichlorobenzene	0.662	ND	0.382	0.388	57.7	58.8	1	12.0-120			1.56	37
4-Chloro-3-methylphenol	0.662	ND	0.426	0.446	64.4	67.6	1	15.0-120			4.59	30
2-Chlorophenol	0.662	ND	0.438	0.433	66.2	65.6	1	15.0-120			1.15	37
2,4-Dichlorophenol	0.662	ND	0.415	0.443	62.7	67.1	1	20.0-120			6.53	31
2,4-Dimethylphenol	0.662	ND	0.415	0.434	62.7	65.8	1	10.0-120			4.48	33
4,6-Dinitro-2-methylphenol	0.662	ND	0.376	0.407	56.8	61.7	1	10.0-120			7.92	39
2,4-Dinitrophenol	0.662	ND	ND	0.343	44.3	52.0	1	10.0-121			15.7	40
2-Nitrophenol	0.662	ND	0.415	0.423	62.7	64.1	1	12.0-120			1.91	39
4-Nitrophenol	0.662	ND	0.529	0.560	79.9	84.8	1	10.0-137			5.69	32
Pentachlorophenol	0.662	ND	0.464	0.509	70.1	77.1	1	10.0-160			9.25	31
Phenol	0.662	ND	0.411	0.414	62.1	62.7	1	12.0-120			0.727	38
2,4,6-Trichlorophenol	0.662	ND	0.491	0.529	74.2	80.2	1	19.0-120			7.45	32
(S) 2-Fluorophenol					66.0	63.5		12.0-120				
(S) Phenol-d5					65.6	63.8		10.0-120				

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

L1373385-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1373385-21 07/08/21 18:45 • (MS) R3677155-3 07/08/21 19:05 • (MSD) R3677155-4 07/08/21 19:26

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
(S) Nitrobenzene-d5					52.0	51.5		10.0-122				
(S) 2-Fluorobiphenyl					66.2	66.1		15.0-120				
(S) 2,4,6-Tribromophenol					74.3	75.8		10.0-127				
(S) p-Terphenyl-d14					62.2	63.9		10.0-120				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3677320-2 07/08/21 15:31

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-oxybis(1-chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
1,2-Dichlorobenzene	U		0.00987	0.333
1,3-Dichlorobenzene	U		0.0101	0.333
1,4-Dichlorobenzene	U		0.00991	0.333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
1-Methylnaphthalene	U		0.00426	0.0333
2-Methylnaphthalene	U		0.00432	0.0333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3677320-2 07/08/21 15:31

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Phenol	U		0.0134	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
(S) Nitrobenzene-d5	76.3			10.0-122
(S) 2-Fluorobiphenyl	73.0			15.0-120
(S) p-Terphenyl-d14	85.3			10.0-120
(S) Phenol-d5	75.4			10.0-120
(S) 2-Fluorophenol	78.2			12.0-120
(S) 2,4,6-Tribromophenol	68.3			10.0-127

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3677320-1 07/08/21 10:05

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.461	69.2	38.0-120	
Acenaphthylene	0.666	0.485	72.8	40.0-120	
Anthracene	0.666	0.526	79.0	42.0-120	
Benzydine	1.33	0.630	47.4	10.0-120	
Benzo(a)anthracene	0.666	0.584	87.7	44.0-120	
Benzo(b)fluoranthene	0.666	0.546	82.0	43.0-120	
Benzo(k)fluoranthene	0.666	0.540	81.1	44.0-120	
Benzo(g,h,i)perylene	0.666	0.528	79.3	43.0-120	
Benzo(a)pyrene	0.666	0.535	80.3	45.0-120	

Laboratory Control Sample (LCS)

(LCS) R3677320-1 07/08/21 10:05

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Bis(2-chlorethoxy)methane	0.666	0.384	57.7	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.401	60.2	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.423	63.5	23.0-120	
4-Bromophenyl-phenylether	0.666	0.473	71.0	40.0-120	
2-Chloronaphthalene	0.666	0.450	67.6	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.485	72.8	40.0-120	
Chrysene	0.666	0.552	82.9	43.0-120	
Dibenz(a,h)anthracene	0.666	0.512	76.9	44.0-120	
3,3-Dichlorobenzidine	1.33	1.07	80.5	28.0-120	
2,4-Dinitrotoluene	0.666	0.620	93.1	45.0-120	
2,6-Dinitrotoluene	0.666	0.520	78.1	42.0-120	
Fluoranthene	0.666	0.541	81.2	44.0-120	
Fluorene	0.666	0.498	74.8	41.0-120	
Hexachlorobenzene	0.666	0.453	68.0	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.345	51.8	15.0-120	
Hexachlorocyclopentadiene	0.666	0.391	58.7	15.0-120	
Hexachloroethane	0.666	0.423	63.5	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.542	81.4	45.0-120	
Isophorone	0.666	0.410	61.6	23.0-120	
Naphthalene	0.666	0.362	54.4	18.0-120	
Nitrobenzene	0.666	0.375	56.3	17.0-120	
n-Nitrosodimethylamine	0.666	0.454	68.2	10.0-125	
n-Nitrosodiphenylamine	0.666	0.521	78.2	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.453	68.0	26.0-120	
Phenanthrene	0.666	0.517	77.6	42.0-120	
Benzylbutyl phthalate	0.666	0.596	89.5	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.611	91.7	41.0-120	
Di-n-butyl phthalate	0.666	0.559	83.9	43.0-120	
Diethyl phthalate	0.666	0.541	81.2	43.0-120	
Dimethyl phthalate	0.666	0.520	78.1	43.0-120	
Di-n-octyl phthalate	0.666	0.617	92.6	40.0-120	
Pyrene	0.666	0.556	83.5	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.360	54.1	17.0-120	
4-Chloro-3-methylphenol	0.666	0.394	59.2	28.0-120	
2-Chlorophenol	0.666	0.458	68.8	28.0-120	
2,4-Dichlorophenol	0.666	0.407	61.1	25.0-120	
2,4-Dimethylphenol	0.666	0.400	60.1	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.612	91.9	16.0-120	
2,4-Dinitrophenol	0.666	0.496	74.5	10.0-120	
2-Nitrophenol	0.666	0.416	62.5	20.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3677320-1 07/08/21 10:05

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Nitrophenol	0.666	0.660	99.1	27.0-120	
Pentachlorophenol	0.666	0.493	74.0	29.0-120	
Phenol	0.666	0.446	67.0	28.0-120	
2,4,6-Trichlorophenol	0.666	0.479	71.9	37.0-120	
(S) Nitrobenzene-d5			53.8	10.0-122	
(S) 2-Fluorobiphenyl			68.5	15.0-120	
(S) p-Terphenyl-d14			81.7	10.0-120	
(S) Phenol-d5			70.3	10.0-120	
(S) 2-Fluorophenol			71.9	12.0-120	
(S) 2,4,6-Tribromophenol			77.3	10.0-127	

L1373607-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1373607-18 07/08/21 16:13 • (MS) R3677320-3 07/08/21 16:35 • (MSD) R3677320-4 07/08/21 16:56

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.636	ND	0.356	0.298	56.0	47.3	1	18.0-120			17.7	32
Acenaphthylene	0.636	ND	0.371	0.320	58.3	50.8	1	25.0-120			14.8	32
Anthracene	0.636	ND	0.386	0.365	60.7	57.9	1	22.0-120			5.59	29
Benzydine	1.27	ND	ND	ND	35.4	43.7	1	10.0-120			20.2	40
Benzo(a)anthracene	0.636	ND	0.405	0.406	63.7	64.4	1	25.0-120			0.247	29
Benzo(b)fluoranthene	0.636	ND	0.372	0.385	58.5	61.1	1	19.0-122			3.43	31
Benzo(k)fluoranthene	0.636	ND	0.380	0.377	59.7	59.8	1	23.0-120			0.793	30
Benzo(g,h,i)perylene	0.636	ND	0.370	0.369	58.2	58.6	1	10.0-120			0.271	33
Benzo(a)pyrene	0.636	ND	0.369	0.378	58.0	60.0	1	24.0-120			2.41	30
Bis(2-chlorethoxy)methane	0.636	ND	ND	ND	47.3	41.9	1	10.0-120			13.1	34
Bis(2-chloroethyl)ether	0.636	ND	ND	ND	48.7	41.6	1	10.0-120			16.8	40
2,2-Oxybis(1-Chloropropane)	0.636	ND	ND	ND	49.4	38.1	1	10.0-120			26.7	40
4-Bromophenyl-phenylether	0.636	ND	0.360	ND	56.6	51.4	1	27.0-120			10.5	30
2-Chloronaphthalene	0.636	ND	0.349	0.293	54.9	46.5	1	20.0-120			17.4	32
4-Chlorophenyl-phenylether	0.636	ND	0.372	ND	58.5	51.6	1	24.0-120			13.5	29
Chrysene	0.636	ND	0.384	0.381	60.4	60.5	1	21.0-120			0.784	29
Dibenz(a,h)anthracene	0.636	ND	0.363	0.365	57.1	57.9	1	10.0-120			0.549	32
3,3-Dichlorobenzidine	1.27	ND	0.761	0.779	59.9	61.8	1	10.0-120			2.34	34
2,4-Dinitrotoluene	0.636	ND	0.448	0.417	70.4	66.2	1	30.0-120			7.17	31
2,6-Dinitrotoluene	0.636	ND	0.400	0.357	62.9	56.7	1	25.0-120			11.4	31
Fluoranthene	0.636	ND	0.384	0.378	60.4	60.0	1	18.0-126			1.57	32
Fluorene	0.636	ND	0.379	0.334	59.6	53.0	1	25.0-120			12.6	30
Hexachlorobenzene	0.636	ND	0.341	ND	53.6	48.7	1	27.0-120			10.5	28

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1373607-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1373607-18 07/08/21 16:13 • (MS) R3677320-3 07/08/21 16:35 • (MSD) R3677320-4 07/08/21 16:56

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hexachloro-1,3-butadiene	0.636	ND	ND	ND	40.7	34.6	1	10.0-120			17.2	38
Hexachlorocyclopentadiene	0.636	ND	ND	ND	25.6	32.7	1	10.0-120			23.3	40
Hexachloroethane	0.636	ND	ND	ND	48.4	38.4	1	10.0-120			24.0	40
Indeno(1,2,3-cd)pyrene	0.636	ND	0.377	0.377	59.3	59.8	1	10.0-120			0.000	32
Isophorone	0.636	ND	ND	ND	50.0	43.7	1	13.0-120			14.5	34
Naphthalene	0.636	ND	0.277	0.235	43.6	37.3	1	10.0-120			16.4	35
Nitrobenzene	0.636	ND	ND	ND	45.3	38.7	1	10.0-120			16.5	36
n-Nitrosodimethylamine	0.636	ND	0.339	ND	53.3	46.7	1	10.0-127			14.2	40
n-Nitrosodiphenylamine	0.636	ND	0.388	0.359	61.0	57.0	1	17.0-120			7.76	29
n-Nitrosodi-n-propylamine	0.636	ND	0.346	ND	54.4	45.9	1	10.0-120			18.0	37
Phenanthrene	0.636	ND	0.386	0.370	60.7	58.7	1	17.0-120			4.23	31
Benzylbutyl phthalate	0.636	ND	0.404	0.410	63.5	65.1	1	23.0-120			1.47	30
Bis(2-ethylhexyl)phthalate	0.636	ND	0.412	0.416	64.8	66.0	1	17.0-126			0.966	30
Di-n-butyl phthalate	0.636	ND	0.391	0.394	61.5	62.5	1	30.0-120			0.764	29
Diethyl phthalate	0.636	ND	0.402	0.375	63.2	59.5	1	26.0-120			6.95	28
Dimethyl phthalate	0.636	ND	0.396	0.363	62.3	57.6	1	25.0-120			8.70	29
Di-n-octyl phthalate	0.636	ND	0.413	0.419	64.9	66.5	1	21.0-123			1.44	29
Pyrene	0.636	ND	0.394	0.391	61.9	62.1	1	16.0-121			0.764	32
1,2,4-Trichlorobenzene	0.636	ND	ND	ND	42.3	35.7	1	12.0-120			17.8	37
4-Chloro-3-methylphenol	0.636	ND	ND	ND	48.4	46.8	1	15.0-120			4.31	30
2-Chlorophenol	0.636	ND	0.349	ND	54.9	48.1	1	15.0-120			14.1	37
2,4-Dichlorophenol	0.636	ND	ND	ND	50.2	44.0	1	20.0-120			14.1	31
2,4-Dimethylphenol	0.636	ND	ND	ND	50.5	45.7	1	10.0-120			10.8	33
4,6-Dinitro-2-methylphenol	0.636	ND	0.466	ND	73.3	44.3	1	10.0-120		U3	50.2	39
2,4-Dinitrophenol	0.636	ND	0.453	ND	71.2	26.0	1	10.0-121		U3	93.7	40
2-Nitrophenol	0.636	ND	ND	ND	50.9	45.6	1	12.0-120			12.1	39
4-Nitrophenol	0.636	ND	0.488	0.475	76.7	75.4	1	10.0-137			2.70	32
Pentachlorophenol	0.636	ND	ND	ND	50.5	48.6	1	10.0-160			4.78	31
Phenol	0.636	ND	0.359	ND	56.4	49.8	1	12.0-120			13.4	38
2,4,6-Trichlorophenol	0.636	ND	0.369	ND	58.0	50.5	1	19.0-120			14.8	32
(S) Nitrobenzene-d5					43.4	37.1		10.0-122				
(S) 2-Fluorobiphenyl					53.8	45.7		15.0-120				
(S) p-Terphenyl-d14					56.6	59.0		10.0-120				
(S) Phenol-d5					56.6	49.7		10.0-120				
(S) 2-Fluorophenol					58.2	49.0		12.0-120				
(S) 2,4,6-Tribromophenol					56.9	54.0		10.0-127				

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

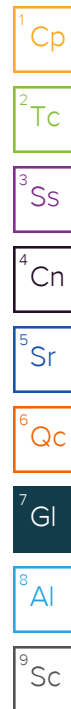
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
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, the sample preparation volume or weight values differ from the standard, 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.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
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.

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.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
T8	Sample(s) received past/too close to holding time expiration.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Etech Environmental
13000 W CR 100
Odessa, Tx. 79765

Billing Information:

Etech Environmental

Pres
Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 3



12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



Report to:
Tim McMinn

Email To:
tim@etechenv.com

Project
Description: Colorado Reclamations - Hume #1

City/State
Collected: Walsh, Colorado

Phone: 432.563.2200
Fax:

Client Project #
14026

Lab Project #

Collected by (print):
BE & DP

Site/Facility ID #

P.O. #
14026

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

No.
of
Cnts

Immediately
Packed on Ice N Y X

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cnts	TPH 8015	VOC	SVOC	Metals As,Ba,Cd,Cr6,Cu,Pb,Ni,Se,Zn,Ag	EC	SAR	pH	Boron	Remarks	Sample # (lab only)
Auger Hole 1	Grab	SS	0-6"	06/28/2021	12:40 pm	1	X	X	X	X	X	X	X	X		-01
Auger Hole 1	Grab	SS	6"-12"	06/28/2021	12:42 pm	1	X	X	X	X						-02
Auger Hole 1	Grab	SS	12"-18"	06/28/2021	12:44 pm	1	X	X	X	X						-03
Auger Hole 1	Grab	SS	18"-24"	06/28/2021	12:46 pm	1	X	X	X	X						-04
Auger Hole 2	Grab	SS	0-6"	06/28/2021	12:48 pm	1	X	X	X	X						-05
Auger Hole 2	Grab	SS	6"-12"	06/28/2021	12:50 pm	1	X	X	X	X						-06
Auger Hole 2	Grab	SS	12"-18"	06/28/2021	12:52 pm	1	X	X	X	X						-07
Auger Hole 2	Grab	SS	18"-24"	06/28/2021	12:54 pm	1	X	X	X	X						-08
Auger Hole 3	Grab	SS	0-6"	06/28/2021	12:56 pm	1	X	X	X	X						-09
Auger Hole 3	Grab	SS	6"-12"	06/28/2021	12:58 pm	1	X	X	X	X						-10

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

Remarks:

Samples returned via:

UPS FedEx Courier

pH Temp

Flow Other

Tracking # 521733055477/5503/5488/5499

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:

Time:

Received by: (Signature)

Trip Blank Received: Yes/No

HCL / MeOH

TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C Bottles Received: 25

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: 7/1/21 Time: 9:00

Hold:

Condition:
NCF / OK

Condition:
NCF / OK

Etech Environmental
13000 W CR 100
Odessa, Tx. 79765

Billing Information:

Etech Environmental

Pres
Chk

Analysis / Container / Preservative

Chain of Custody Page 3 of 3



12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



Report to:
Tim McMinn

Email To:
tim@etechenv.com

Project Description:
Colorado Reclamations - Hume #1

City/State
Collected: Walsh, Colorado

Phone: 432.563.2200
Fax:

Client Project #
14026

Lab Project #

Collected by (print):
BE & DP

Site/Facility ID #

P.O. #
14026

Collected by (signature):

Rush? (Lab MUST Be Notified)

Quote #

Immediately
Packed on Ice N Y X

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

Date Results Needed

No.
of
Cnts

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cnts	TPH 8015	VOC	SVOC	Metals As,Ba,Cd,Cr6,Cu,Pb,Ni,Se,Zn,Ag	EC	SAR	pH	Boron	Remarks	Sample # (lab only)
Auger Hole 6	Grab	SS	0-6"	06/28/2021	1:08 pm	1	X	X	X	X						-24
Auger Hole 6	Grab	SS	6"-12"	06/28/2021	1:10 pm	1	X	X	X	X						-22
Auger Hole 6	Grab	SS	12"-18"	06/28/2021	1:12 pm	1	X	X	X	X						-23
Auger Hole 6	Grab	SS	18"-24"	06/28/2021	1:14 pm	1	X	X	X	X						-24
Background 1	Grab	SS	0-6"	06/28/2021	1:12 pm	1	X			X	X	X	X	X		-25
Exposed Hole	Grab	SS	12"	06/28/2021	1:21 pm	1	X	X	X	X						-26

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

Remarks:

Samples returned via:
UPS FedEx Courier

Tracking #

pH Temp

Flow Other

Sample Receipt Checklist

COC Seal Present/Intact: NP 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:

Time:

Received by: (Signature)

Trip Blank Received: Yes/No
HCL/MeOH
TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: 1.24.21.4 25
Bottles Received: If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: 11/21 Time: 9:00

Hold:

Condition:
NCF / OK