

**SPRU EEC-20-001
RCRA ICM REPORT FOR SPRU FACILITY**

**Attachment 3
Preliminary Data Report Upper Level SWMUs**

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**PRELIMINARY DATA REPORT
UPPER LEVEL SWMU'S
SWMU-030 - H2 Processing Facility
SWMU-031 – H2 Tank Farm
SWMU-057 – G2/H2 Tunnel**

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SPRU UPPER LEVEL SWMU'S

Preliminary Data Report

This Preliminary Data Report (PDR) presents the post-excavation sampling analyses showing that results are below the Soil Cleanup Objectives (SCOs) and that most samples were non-detections for the Constituents of Concern. The sampling and analytical results are the basis for seeking approval to backfill the portion of the site addressed in this PDR.

The PDR summarizes chemical confirmation sample results for soil in the H2 Upper Level SWMU's collected in accordance with SPRU-ENV-020 *RCRA Interim Corrective Measure Work Plan (ICM WP) for the Upper Level SWMU's* at the Separations Process Research Unit (SPRU) Disposition Project (DP) in Niskayuna, New York.

The portion of the Upper Level Solid Waste Management Units (SWMU's) addressed in this PDR is comprised of the footprint of the former H2 Building (SWMU-030), the H2 Tank Farm (SWMU-031) and the G2/H2 Tunnel (SWMU-057). The last portion of the Upper Level SWMU's Work Plan will be completed with a sample from near the Fractionation Tanks 2 (SWMU-082). The SWMU's were designated based on the accumulation or processing of liquid wastes and wastewaters exhibiting hazardous waste characteristics. External characterization sampling around the building exterior indicated the presence of toluene at concentrations in excess of the Soil Clean-up Objective of 700 µg/kg (700 parts per billion).

Samples with elevated toluene were collected in 2010 from borings adjacent to the east side of the H2 Tank Farm during radiological sampling. With the exception of toluene, all metals, volatile organic compounds (VOCs), and semi-volatile organic compounds (SVOCs) were reported at concentrations below their respective SCOs in the seven Geoprobe borings. Toluene was detected in all seven borings at concentrations ranging from 0.0099 to 4.02 mg/kg (SCO 0.7 mg/kg). The toluene concentrations exceeded the SCO in six of the seven borings.

The primary contaminants at SPRU are radiological constituents which are present at more significant concentration and over a larger extent than the chemical contamination. The chemical contamination is being remediated in concert with the radiological contaminants. The remediation of the Upper Level SWMU's is being conducted in multiple phases due to logistical demands limiting access to parts of the site while other remediation is underway. The remediation and partial backfill of the SWMU's discussed in this PDR must be completed to allow access for remediation of the north end of the site.

In accordance with the ICM Work Plan, samples have been collected from the H2, Tank Farm, and G2/H2 Tunnel footprint and the excavation perimeter sidewalls after the demolition and removal of the concrete structure and basement slab.

This PDR includes the following items:

- Map showing the area and sample confirmation locations and
- Summary and evaluation of unvalidated analytical results

Table 1 excerpts the post-remediation VOC and SVOC data to show only those results with positive detections or estimated ("J" qualified) reported values. Table 2 presents a separate list for acetone analytical results. Table 3 lists the results for the post-remediation metal analyses.

Attachment 1 is a map showing the area and sample confirmation locations. These samples were agreed to in an email between NYSDEC (Winterberger) and DOE (Davis) dated July 17, 2018.

Attachments 2, 3, and 4 provides the laboratory data summary sheets for the unvalidated analytical results for, respectively, Volatile organic compounds, semi-volatile organic compounds, and metals.

An initial sample collected on 5/18/2018 after removal of the hillside sump (SHS01) had a reported concentration of 74 ug/kg of acetone, which was above the SCO of 50 µg/kg. That area was re-excavated and resampled. The subsequent sample collected on 7/10/2018 did not have detectable acetone. Many of the confirmation samples had acetone reported as detected or estimated (“J” qualified). The highest of these levels was 14.9 ppb, which is below the SCO of 50 ppb. Reported detections of acetone are consistent with other KAPL site investigations in which acetone was detected in gray till, unrelated to a chemical release. The reported detections may be due to natural occurrence of acetone in the gray till or be a matrix interference from the gray till resulting in the low concentration reported detections. The levels reported in the laboratory results are all below the SCO.

An evaluation of the results shows that the sample concentrations are less than the soil cleanup objectives (SCO), except for aluminum, calcium, and iron. All three metals show concentrations in a reasonable range between samples, consistent with expected values for material in background.

As with the G2 till samples, the results in the gray till in H2 for iron (18,800 – 32,100 mg/kg) are above the SCO (2000 mg/kg) listed in CP-51 *Soil Cleanup Guidance*. Similarly, aluminum (4,930 – 12,200 ppm) and calcium (10,600 – 36,900 ppm) were above their SCOs of 10,000 ppm each. However, these concentrations are consistent with background values for the Knolls site of 35,700 ppm iron; 31,600 mg/kg calcium; and 35,700 mg/kg iron.

The sample collected at S13 and the original sample collected at SHS01 (both collected on 5/18/18) were not in the gray till as the other samples; they were taken in the historic fill material placed around the H2 Building during construction. They have different chemical profiles than the till, and are below the SCOs for the metal constituents.

The original sample at SHS01 showed an exceedance for acetone and for radiological contamination, and was further remediated into the native till. The resample at SHS01 was in the till, collected on 7/10/18, and subsequently was clean for all constituents. The S13 location was not remediated nor resampled because that area did not have any exceedances.

SAMPLE RESULT SUMMARY

The post-remediation sampling results are summarized as follows:

- VOCs – Aside from acetone, there were several positive detections, all below SCOs: The hillside sump sample SHS01 had a detection for 2-Butanone (also called methyl ethyl ketone or MEK) of 6.92 µg/kg (ppb). The SCO is 120 ppb. That sample was subsequently remediated because of a positive detection for acetone (74 ppb, which is greater than the SCO of 50). The resample of the sump location had all non-detects.
- A sidewall sample at the northwest corner of H2, SW21, had a reported value of vinyl chloride of 2.74 ppb, well below the SCO of 20 ppb. The duplicate sample at that location, SW21D, had a slightly lower reported concentration of 1.75 J ppb.
- Trichloroethylene (TCE) was reported at a concentration of 4.7 ppb (SCO = 470) at location SW10. It was also reported at “J” qualified concentrations at S18 (1.72 J ppb) and SW11 (0.382 J ppb). These three locations are at the former location of the G2/H2 Tunnel. That area is adjacent to the known VOC Area of Concern AOC-001.
- 1,2,4-trichlorobenzene was reported at a concentration of 2.1 ppb at SW21 but was qualified with a “B” because it was also found in the High Blank and Method Blank. Sample S01 had a concentration of 0.571 ppb reported but with both “B” and “J” qualifiers. Eight other samples had the compound reported at estimated (“J”) concentrations.

- Methylene chloride, a common laboratory contaminant, was reported with detections at three locations and with “J” qualified results at three additional locations. The maximum reported value was 15.9 ppb at SW07, and was below the SCO of 50 ppb.
- Eight other VOCs were reported as estimated values in at least one sample; and all results were a small fraction of their SCOs: 1,2,3-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Carbon disulfide, Chloroform, cis-1,2-Dichloroethylene, and Trichlorofluoromethane.
- Toluene had been found in pre-remediation characterization samples but was not detected in any confirmation samples. All samples were qualified “U” as non-detections and the highest Minimum Detection Limit (MDL) was 0.420 ppm when the dilution factor was 1, and 16.5 ppb when the dilution factor was 50. These MDLs are well below the SCO of 700 ppb for Toluene.

Metals – Aluminum, Calcium, and Iron had exceedances of the SCOs in most samples. All other metal results were below the corresponding SCO.

- Aluminum had a maximum reported value of 12,200 ppm compared to its SCO of 10,000 ppm. The reported values ranged from 4930 to 12,200 ppm.
- Calcium exceeded the SCO of 10,000 ppm in all but one of the reported results, with a maximum of 36,900 ppm. Note that the SCOs for Aluminum and Calcium are both capped at 10,000 ppm and do not reflect a specified risk at that level. The reported concentrations are consistent with background levels at the Knolls site.
- Iron exceeded the SCO of 2000 ppm in all reported samples collected from till; Sample S13 was much lower but was collected in soil that was probably fill from the original building construction. This occurred in the G2 samples as well. The maximum concentration was reported as 32,100 ppm. The concentration of iron was typical of results found on the site for gray till samples.

SVOCs – The only detection of an SVOC was at the sidewall at the south end of H2 near the tunnel (SW06).

- Di-n-octylphthalate was reported at 108 ppb, relative to the SCO of 100,000 ppb.
- Seven other SVOCs were reported as estimated values in at least one sample; and all results were a small fraction of their SCOs: Benzo(a)anthracene, Benzo(b)fluoranthene, Chrysene, Di-n-butylphthalate, Fluoranthene, Phenanthrene, Pyrene

CONCLUSION

These conditions merit a judgment of No Further Action required for H2, Tank Farm, and G2/H2 Tunnel portions of the Upper Level SWMU's as shown in the figure in Attachment 1. Following NYSDEC concurrence with the satisfactory results in this PDR, the area will be prepared for backfilling.

Table 1 VOC/ SVOC RESULTS WITH DETECTIONS OR ESTIMATED VALUES

VOCs (Acetone listed separately)

	1,2,3-Trichlorobenzene ug/kg 20,000	1,2,4-Trichlorobenzene ug/kg 3400	1,2-Dichlorobenzene ug/kg 1100	1,3-Dichlorobenzene ug/kg 2400	1,4-Dichlorobenzene ug/kg 1800	2-Butanone ug/kg 50	Carbon disulfide ug/kg 2700	Chloroform ug/kg 370	cis-1,2-Dichloroethylene ug/kg 250	Methylene chloride ug/kg 50	Trichloroethylene ug/kg 470	Trichlorofluoromethane ug/kg NA	Vinyl chloride ug/kg 20
SCO													
S01 07/19/18		0.571 BJ			0.405 J					3.43 J			
S03 07/19/18							3.41 J						
S05 07/18/18							1.6 J						
S09 07/18/18		0.408 J											
S10 07/18/18							2.07 J						
S17 08/09/18	1.98 J	1.73 J	0.7 J	0.806 J	0.996 J		3.48 J			6.32			
S18 08/09/18	1.21 J	1.07 J		0.379 J	0.705 J			1.48 J	0.368 J	10.1	1.72 J	0.537 J	
SHS01 05/18/18						6.92							
SW05 07/19/18	0.56 J	0.458 J											
SW07 08/09/18	0.848 J	1.2 J		0.451 J	0.751 J		1.95 J			15.9			
SW08 08/09/18		0.456 J			0.326 J								
SW09 08/09/18							4.05 J						
SW10 08/09/18										3.94 J	4.7		
SW11 08/09/18											0.382 J		
SW14 07/20/18							1.85 J						
SW15 07/19/18										2.38 J			
SW21 07/19/18	1.95 J	2.1 B	0.74 J	0.71 J	0.953 J								2.74
SW21D 07/19/18													1.75 J
SW22 07/18/18							2.45 J						
SW23 07/19/18	2.08 J	1.67 J	0.349 J	0.644 J	0.84 J								
SW24 07/18/18		0.479 J											

SVOCs

	Benzo(a)anthracene ug/kg 1000	Benzo(b)fluoranthene ug/kg 1000	Chrysene ug/kg 1000	Di-n-butylphthalate ug/kg NA	Di-n-octylphthalate ug/kg 100000	Fluoranthene ug/kg 100000	Phenanthrene ug/kg 100000	Pyrene ug/kg 100000
SCO								
S19 07/18/18						14.2 J	14.5 J	
SHS01 05/18/18		2.48 J						
SW06 07/20/18					108			
SW21D 07/19/18				11.5 J				
SW22 07/18/18	17.1 J		10.7 J			32.1 J	21.7 J	21.4 J

TABLE 2 ACETONE RESULTS

	Sample Date	Acetone ug/kg SCO = 50	
S01	07/19/18	13	
S02	07/19/18	7.71	J
S03	07/19/18	6.95	J
S04	07/19/18	10.4	J
S05	07/18/18	12.3	
S06	07/18/18	14.9	
S07	07/19/18	8.46	J
S08	07/20/18	9.77	J
S09	07/18/18	5.04	J
S10	07/18/18	11.8	
S11	07/19/18	10.2	J
S12	07/20/18	5.2	J
S14	07/18/18	6.47	J
S15	07/18/18	13.5	
S17	08/09/18	4.18	J
SHS01	05/18/18	74.4	
SW04	07/19/18	5.4	J
SW05	07/19/18	3.91	J
SW06	07/20/18	12.1	
SW06D	07/20/18	7.96	J
SW07	08/09/18	4.74	J
SW12	07/20/18	4.92	J
SW13	07/20/18	13.9	
SW14	07/20/18	3.62	J
SW15	07/19/18	11	
SW16	07/19/18	9.09	J
SW22	07/18/18	6.27	J
SW23	07/19/18	7.55	J
SW24	07/18/18	6.57	J

Table 3 METALS RESULTS POST-EXCAVATION WITH ALL REPORTED VALUES

	SCO	Aluminum mg/kg 10,000	Antimony mg/kg 12	Arsenic mg/kg 16	Barium mg/kg 350	Beryllium mg/kg 14	Cadmium mg/kg 2.5	Calcium mg/kg 10000	Chromium mg/kg 36	Cobalt mg/kg 30	Copper mg/kg 270	Iron mg/kg 2000	Lead mg/kg 400
S01	07/19/18	7510 *	UN	7.3	60.2 *N	0.609	U	24400 *	12.6	10.7 N	26.9	23200 *	11.5
S02	07/19/18	6230 *	UN	7.77	63.7 *N	0.545	U	22000 *	10.6	9.79 N	24.9	20100 *	10.9
S03	07/19/18	6780 *	U	6.95	60.4 *N	0.549	U	21000 *	11.3	9.94 N	26.2	21300 *	10.9
S04	07/19/18	5720 *	UN	7.05	47.2 *N	0.491 B	U	20900 *	9.74	8.94 N	23.6	18800 *	10.4
S05	07/18/18	10600	U	9.41	83.1 N	0.744	U	29400	16.9	12.7	43.3 N	30200	12.1
S06	07/18/18	10700	U	8.36	93.6 N	0.791	U	20300	17.3	12.9	32.2 N	28600	12.6
S07	07/19/18	6030 *	UN	7.53	53.1 *N	0.49	U	20900 *	10.4	9.29 N	24	18900 *	10.4
S08	07/20/18	9270	U	8.91	75.4	0.655	U	19400	13.7	11.7	27.9	24000	11.9
S09	07/18/18	10300	U	9.16	76.1 N	0.763	0.128 B	24600	16.9	13	41.8 N	29100	14.9
S10	07/18/18	10600	U	9.05	68.5 N	0.759	U	18500	17.5	13.6	31.5 N	28600	15.3
S11	07/19/18	7360 *	UN	8.07	67 *N	0.592	U	21600 *	12.7	11.2 N	28.3	23500 *	12.6
S12	07/20/18	9660	U	8.79	68.4	0.642	U	36900	14.3	11.3	28.8	24100	12
S13	05/18/18	12000 *	U	U	0.652	U	U	37	21.6 *N	U	4.29 *	56.3 *	0.754 B
S14	07/18/18	11600	U	8.89	153 N	0.847	U	22200	18.9	12.8	32.5 N	29300	12.5
S15	07/18/18	10000	U	8.45	68.3 N	0.772	U	31900	16.5	11.9	29.5 N	30800	13.5
S16	07/19/18	9470	U	7.49	79.9	0.673	U	21500	18	12.2	30.3	27400	12.8
S17	08/09/18	5310	U	4.58	30.6	0.37 J	0.23 J	12500	9.18	7.93	20.8	15500	11.9
S18	08/09/18	7460	U	6.81	49.8	0.544	0.141 J	25200	12	9.81	24.7	21500	10.2
S19	07/18/18	12200	U	8.69	109 N	0.863	U	19800	19.4	12.7	32.7 N	30100	12.9
SET01	07/10/18	10000	UN	8.52	74.1 *N	0.701	U	22100	16.8	13.3	33.6	28300	13.8
SHS01	05/18/18	33.9 *	0.462 B	U	0.844	U	U	88.2	0.82 *N	U	2.2 *	14.8 B	26.2
	07/10/18	9800	UN	8.21	52.7 *N	0.626	U	17000	16.1	12	32.7	27100	13.6
SW01	07/16/18	8530	UN	9.13	50.3 N	0.594	U	20000	14.5	12.9	31.1	24700	18 N
SW02	07/16/18	9040	UN	7.82	63.3 N	0.656	U	21600	14.8	11.1	29.5	25300	11.4 N
SW03	07/16/18	8190	UN	6.89	51.8 N	0.621	U	19400	13.5	10	26.6	23400	11 N
SW04	07/19/18	7530 *	UN	7.89	58.1 *N	0.588	U	22900 *	12.9	10.6 N	28.2	23600 *	11.5
SW05	07/19/18	6620 *	UN	7.82	55.3 *N	0.554	U	21300 *	11.1	9.72 N	25.4	21400 *	10.9
SW06	07/20/18	9760	U	9.88	77.8	0.724	U	20900	14.7	11.8	29.2	25500	12.5
SW06D	07/20/18	8990	U	8.98	66.5	0.64	U	21500	13.6	10.8	27.6	24000	12
SW07	08/09/18	6110	U	4.97	44.6	0.378 J	0.231 J	16400	9.78	7	19.9	16800	6.49
SW08	08/09/18	8150	U	8.48	57.6	0.553	0.242 J	20900	13.2	10.2	31	22800	9.86
SW09	08/09/18	7060	U	6.16	50.1	0.519 J	0.172 J	19100	11.3	8.83	21.6	19300	8.09
SW10	08/09/18	8180	U	7.68	62.1	0.574	0.283 J	22300	13.3	10.4	28.3	22700	9.63
SW11	08/09/18	8500	U	7.49	59.5	0.575	0.237 J	17500	14.3	10.6	28.4	22900	12.4
SW12	07/20/18	9110	U	9.12	69.8	0.641	U	20100	13.9	10.9	27.6	23600	12.4
SW13	07/20/18	8860	U	8.87	75.8	0.633	U	18500	13.5	11	31.8	23800	12.2
SW14	07/20/18	9340	U	9.71	66.3	0.655	U	19400	14.4	11.7	33.8	25300	13.5
SW15	07/19/18	6310 *	UN	8.11	56 *N	0.519 B	U	19600 *	11	9.89 N	23.8	20600 *	11.5
SW16	07/19/18	7080 *	UN	7.69	58.7 *N	0.542	U	18100 *	12	10.1 N	26	21500 *	10.6
SW17	07/10/18	4930	UN	9.05	18.9 *N	0.383 J	0.129 B	13600	8.2	14	21.2	16700	24
SW18	07/10/18	10200	UN	8.94	53.1 *N	0.706	U	10600	16.6	12.3	35.3	29200	13.8
SW19	07/10/18	9460	UN	7.96	81.6 *N	0.682	U	32000	15.8	12.6	35.3	26300	13.3
SW20	07/10/18	10700	UN	8.73	76.7 *N	0.754	U	13500	17.2	13.5	33.8	29200	14.8
SW21	07/19/18	7800 *	UN	7.86	66.1 *N	0.622	U	29700 *	13.9	10.4 N	28.8	22700 *	11.1
SW21D	07/19/18	10100	U	12.4	71.8	0.844	U	30800	15.2	12.8	31.4	32100	14.3
SW22	07/18/18	10500	U	8.59	81.4 N	0.761	U	19200	16.9	12	32.2 N	27800	12.3
SW23	07/19/18	8000 *	UN	7.53	64.6 *N	0.586	U	18500 *	13.3	11.3 N	27.9	24400 *	13.4
SW24	07/18/18	11500	U	8.57	81.6 N	0.81	0.169 B	21000	18.3	11.7	35.4 N	28400	11.8

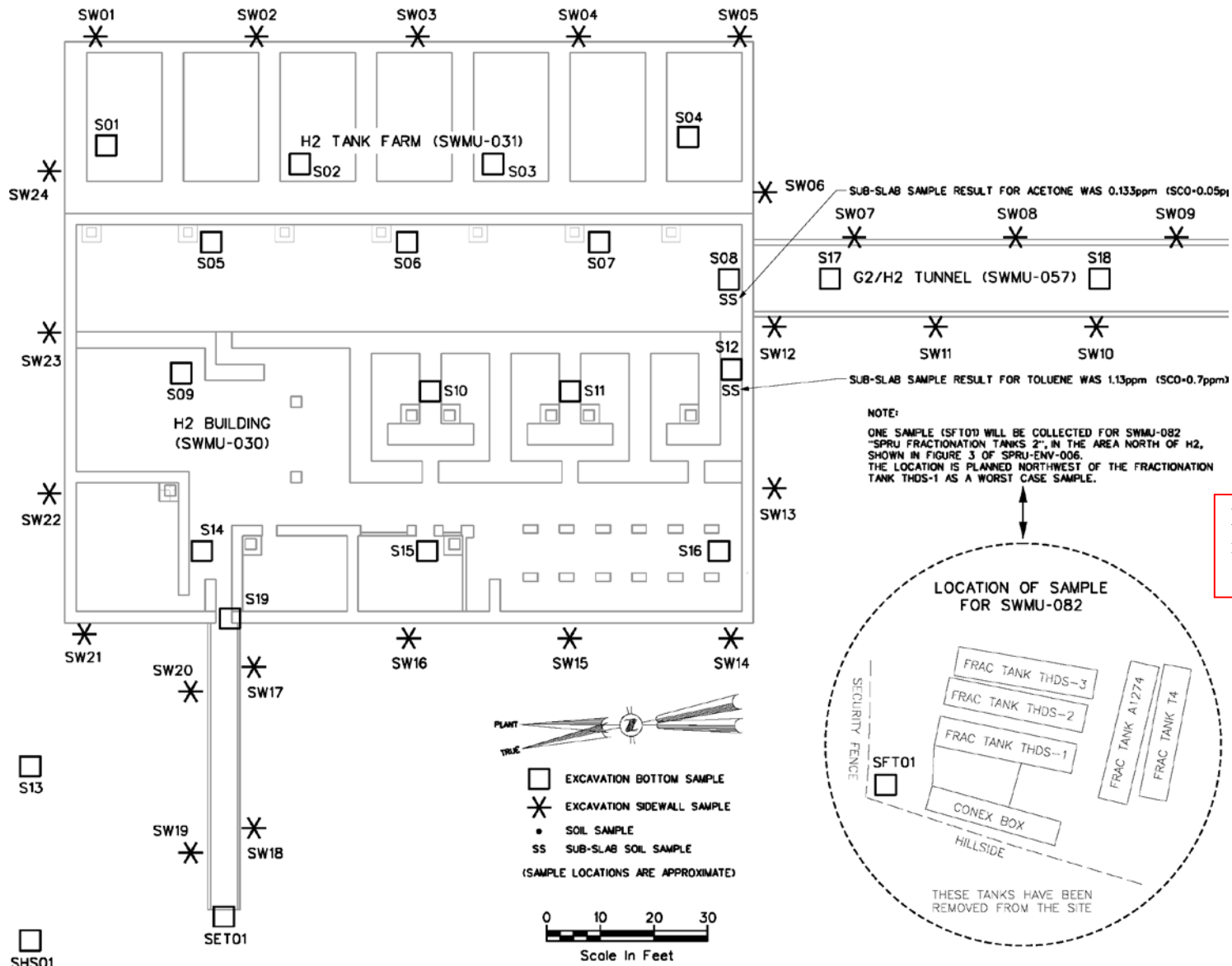
Table 3 (continued) METALS RESULTS POST-REMEDATION WITH ALL REPORTED VALUES

	SCO	Magnesium mg/kg NA	Manganese mg/kg 2000	Mercury mg/kg 0.73	Nickel mg/kg 130	Potassium mg/kg NA	Selenium mg/kg 4	Silver mg/kg 8.3	Sodium mg/kg NA	Thallium mg/kg 5	Vanadium mg/kg 100	Zinc mg/kg 2200
S01	07/19/18	9210 *	415	0.0238	25.1 N	1190 *N	0.775 B	0.614	98.4	1.09 B	16.5	50.3 N
S02	07/19/18	9800	395	0.02	22.7 N	1440	0.671 B	0.569	108	0.788 B	13.6	50.7 N
S03	07/19/18	9400 *	407	0.0273	23.1 N	1300 *N	0.798 B	0.637	108	0.807 B	14.6	51.5 N
S04	07/19/18	8530 *	381	0.0271	20.6 N	1190 *N	0.754 B	0.577	90	0.887 B	12.7	49.9 N
S05	07/18/18	14700	551	0.0276	29.9	1840 N	0.778 BN	0.844	88	1.35 B	22	84.2 N
S06	07/18/18	10400	463	0.0301	30.3	1840 N	0.711 BN	0.873	86.2	1.5 B	22.2	56 N
S07	07/19/18	8610 *	380	0.0252	21.2 N	1140 *N	0.675 B	0.526	64.3	0.793 B	13.3	49.9 N
S08	07/20/18	9050	429	0.0246	25.9	1660	0.786 J	0.357 J	112	U	18.1	50.8
S09	07/18/18	11700	628	0.0289	30.8	1790 N	0.768 BN	0.803	64.6	1.29 B	22	110 N
S10	07/18/18	10200	436	0.0242	32.8	1810 N	0.745 BN	0.877	74.1	1.46 B	21.6	53.6 N
S11	07/19/18	9720 *	423	0.0273	26.1 N	1300 *N	0.842 B	0.694	80.5	0.955 B	15.7	56.6 N
S12	07/20/18	9180	440	0.0202	26	1670	0.875 J	0.19 J	122	U	18.1	62.4
S13	05/18/18	352 *N	10.3 *	0.0306	0.547 B	U	U	U	27.7	U	0.87 *	21.1 *
S14	07/18/18	10600	488	0.028	30.9	2140 N	0.84 BN	0.888	75.5	1.47 B	23.9	62.3 N
S15	07/18/18	14700	854	0.0301	29.1	1840 N	0.806 BN	0.885	62.6	1.28 B	21.8	50 N
S16	07/19/18	9010	468	0.0267	29.5	1230	0.839 J	0.843	82.7	1.37 J	20	58
S17	08/09/18	6170	317	0.0262	17.8	754	0.651 J	0.295 J	79.7	U	10.3	36.7
S18	08/09/18	9880	432	0.348	22.1	990	0.521 J	0.321 J	175	U	15.6	56.2
S19	07/18/18	10700	466	0.0295	31.1	2230 N	0.855 BN	0.915	74.2	1.35 B	24.3	56.8 N
SET01	07/10/18	10200	524	0.179	31.6	1260	0.779 B	0.728	66.9	1.25 J	21.5	59.1
SHS01	05/18/18	UN	0.353 B	0.0293	0.23 B	U	U	U	29.4 B	U	U	22.7 *
	07/10/18	9570	478	U	28.5	977	0.818 B	0.751	51.4	1.3 J	19.5	58.3
SW01	07/16/18	9190	405	0.0245	29.8 N	1120 N	0.863 B	0.645	63.3	1.15 BN	17.4	48
SW02	07/16/18	9720	441	0.0223	26.6 N	1280 N	0.876 B	0.627	90.7	1.12 BN	18.9	51.4
SW03	07/16/18	9240	444	0.0217	24.6 N	1100 N	0.815 B	0.588	89.1	1.16 BN	17.2	48.6
SW04	07/19/18	8990 *	445	0.0226	25 N	1390 *N	0.808 B	0.725	93.4	1.1 B	16.3	54.3 N
SW05	07/19/18	9690 *	394	0.0235	22.7 N	1450 *N	0.918 B	0.736	102	0.966 B	14.5	51.3 N
SW06	07/20/18	9810	453	0.0258	27.1	1720	0.818 J	0.323 J	134	U	20.2	54.8
SW06D	07/20/18	9390	419	0.023	25.7	1660	0.877 J	0.274 J	130	U	18.8	53.4
SW07	08/09/18	6460	427	0.0227	16.7	768	0.629 J	0.275 J	178	U	12	43.8
SW08	08/09/18	8600	477	0.0186	23.8	1050	0.713 J	0.482 J	256	U	16.6	83
SW09	08/09/18	7440	444	0.0241	19.6	932	0.615 J	0.348 J	189	U	14.6	46.6
SW10	08/09/18	9100	451	0.0159	23.7	1100	0.65 J	0.41 J	344	U	16.7	64.3
SW11	08/09/18	8390	428	0.0241	24.7	1030	0.688 J	0.424 J	143	U	17.2	56.6
SW12	07/20/18	9280	416	0.0257	25.5	1670	0.798 J	0.379 J	122	U	18.2	60
SW13	07/20/18	8880	418	0.029	26.1	1590	0.895 J	0.35 J	114	U	17.6	53
SW14	07/20/18	9490	473	0.0296	28	1610	0.81 J	0.352 J	105	U	18.2	190
SW15	07/19/18	8880 *	399	0.0259	23.8 N	1120 *N	0.896 B	0.571	42.1	0.872 B	13.5	50.9 N
SW16	07/19/18	8850 *	389	0.0296	24 N	1170 *N	0.778 B	0.661	53.4	0.912 B	14.7	49.6 N
SW17	07/10/18	5680	347	U	27.7	551	0.743 B	0.432 B	89.3	0.807 J	9.59	40.5
SW18	07/10/18	7400	523	0.0595	31.2	797	0.657 B	0.893	140	1.41 J	21	71.2
SW19	07/10/18	9670	513	0.027	29.5	1170	0.764 B	0.569	105	1.25 J	19.2	60.7
SW20	07/10/18	7570	547	0.0242	32.4	938	0.778 B	0.791	68.2	1.35 J	21.8	74
SW21	07/19/18	10100 *	410	0.0271	25.1 N	1180 *N	0.754 B	0.576	63.1	1.01 B	16.7	54.4 N
SW21D	07/19/18	9970	767	0.0255	28.7	1160	0.812 J	0.201 J	85.8	1.53 J	19.5	61.4
SW22	07/18/18	10200	466	0.0288	28.9	1750 N	0.759 BN	0.865	70.8	1.6 B	21.6	65.3 N
SW23	07/19/18	8820 *	452	0.0286	26.5 N	1060 *N	0.951 B	0.798	84.7	0.988 B	16.2	53.6 N
SW24	07/18/18	10800	475	0.0266	29	2040 N	0.798 BN	0.837	107	1.44 B	23.3	138 N

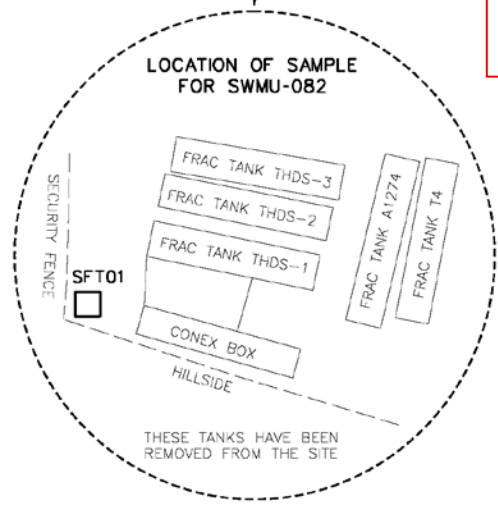
NOTE: Samples S13 and SHS01 were collected on 5/18/2018 in soil, whereas all other samples were in gray till. There is significant difference in the chemical profile.

ATTACHMENT 1
SAMPLE LOCATION MAP

Plan View of H2 Excavation Showing Sample Locations



Location SFT01 not included in this PDR



Upper Level SWMU Sample List

SAMPLE	Collection Date	ANALYSES		
		VOC	SVOC	METALS
S01	07/19/18	X	X	X
S02	07/19/18	X	X	X
S03	07/19/18	X	X	X
S04	07/19/18	X	X	X
S05	07/18/18	X	X	X
S06	07/18/18	X	X	X
S07	07/19/18	X	X	X
S08	07/20/18	X	X	X
S09	07/18/18	X	X	X
S10	07/18/18	X	X	X
S11	07/19/18	X	X	X
S12	07/20/18	X	X	X
S13	05/18/18	X	X	X
S14	07/18/18	X	X	X
S15	07/18/18	X	X	X
S16	07/19/18	X	X	X
S17	08/09/18	X		X
S18	08/09/18	X		X
S19	07/18/18	X	X	X
SET01	07/10/18	X		X
SHS01	05/18/18	X	X	X
SHS01	07/10/18	X		X
SW01	07/16/18	X	X	X
SW02	07/16/18	X	X	X
SW03	07/16/18	X	X	X
SW04	07/19/18	X	X	X
SW05	07/19/18	X	X	X
SW06	07/20/18	X	X	X
SW06D	07/20/18	X	X	X
SW07	08/09/18	X		X
SW08	08/09/18	X		X
SW09	08/09/18	X		X
SW10	08/09/18	X		X
SW11	08/09/18	X		X
SW12	07/20/18	X	X	X
SW13	07/20/18	X	X	X
SW14	07/20/18	X	X	X
SW15	07/19/18	X	X	X
SW16	07/19/18	X	X	X
SW17	07/10/18	X		X
SW18	07/10/18	X		X
SW19	07/10/18	X		X
SW20	07/10/18	X		X
SW21	07/19/18	X	X	X
SW21D	07/19/18	X	X	X
SW22	07/18/18	X	X	X
SW23	07/19/18	X	X	X
SW24	07/18/18	X	X	X

ATTACHMENT 2

Laboratory Analytical Results

VOLATILE ORGANIC COMPOUNDS

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067006

Client ID: S01RE
Batch ID: 1784645
Run Date: 08/01/2018 15:30
Prep Date: 08/01/2018 13:20
Data File: 080118V3\3S311.D

Date Collected: 07/19/2018 09:25
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.2 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.4
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	2.08	ug/kg	0.312	2.08
79-34-5	1,1,2,2-Tetrachloroethane	U	2.08	ug/kg	0.312	2.08
79-00-5	1,1,2-Trichloroethane	U	2.08	ug/kg	0.312	2.08
75-34-3	1,1-Dichloroethane	U	2.08	ug/kg	0.312	2.08
75-35-4	1,1-Dichloroethylene	U	2.08	ug/kg	0.312	2.08
87-61-6	1,2,3-Trichlorobenzene	U	2.08	ug/kg	0.312	2.08
120-82-1	1,2,4-Trichlorobenzene	BJ	0.571	ug/kg	0.312	2.08
96-12-8	1,2-Dibromo-3-chloropropane	U	2.08	ug/kg	0.519	2.08
106-93-4	1,2-Dibromoethane	U	2.08	ug/kg	0.312	2.08
95-50-1	1,2-Dichlorobenzene	U	2.08	ug/kg	0.312	2.08
107-06-2	1,2-Dichloroethane	U	2.08	ug/kg	0.312	2.08
78-87-5	1,2-Dichloropropane	U	2.08	ug/kg	0.312	2.08
541-73-1	1,3-Dichlorobenzene	U	2.08	ug/kg	0.312	2.08
106-46-7	1,4-Dichlorobenzene	J	0.405	ug/kg	0.312	2.08
123-91-1	1,4-Dioxane	U	51.9	ug/kg	15.6	51.9
78-93-3	2-Butanone	U	10.4	ug/kg	3.12	10.4
591-78-6	2-Hexanone	U	10.4	ug/kg	3.12	10.4
108-10-1	4-Methyl-2-pentanone	U	10.4	ug/kg	3.12	10.4
67-64-1	Acetone		13.0	ug/kg	3.12	10.4
71-43-2	Benzene	U	2.08	ug/kg	0.312	2.08
74-97-5	Bromochloromethane	U	2.08	ug/kg	0.312	2.08
75-27-4	Bromodichloromethane	U	2.08	ug/kg	0.312	2.08
75-25-2	Bromoform	U	2.08	ug/kg	0.312	2.08
74-83-9	Bromomethane	U	2.08	ug/kg	0.312	2.08
75-15-0	Carbon disulfide	U	10.4	ug/kg	1.66	10.4
56-23-5	Carbon tetrachloride	U	2.08	ug/kg	0.312	2.08
108-90-7	Chlorobenzene	U	2.08	ug/kg	0.312	2.08
75-00-3	Chloroethane	U	2.08	ug/kg	0.312	2.08
67-66-3	Chloroform	U	2.08	ug/kg	0.312	2.08
74-87-3	Chloromethane	U	2.08	ug/kg	0.312	2.08
110-82-7	Cyclohexane	U	2.08	ug/kg	0.312	2.08
124-48-1	Dibromochloromethane	U	2.08	ug/kg	0.312	2.08
75-71-8	Dichlorodifluoromethane	U	2.08	ug/kg	0.312	2.08
100-41-4	Ethylbenzene	U	2.08	ug/kg	0.312	2.08
98-82-8	Isopropylbenzene	U	2.08	ug/kg	0.312	2.08
79-20-9	Methyl acetate	U	5.19	ug/kg	1.56	5.19
108-87-2	Methylcyclohexane	U	2.08	ug/kg	0.312	2.08
75-09-2	Methylene chloride	J	3.43	ug/kg	1.66	5.19

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067006

Client ID: S01RE
Batch ID: 1784645
Run Date: 08/01/2018 15:30
Prep Date: 08/01/2018 13:20
Data File: 080118V3\3S311.D

Date Collected: 07/19/2018 09:25
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.2 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.4
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	2.08	ug/kg	0.312	2.08
127-18-4	Tetrachloroethylene	U	2.08	ug/kg	0.312	2.08
108-88-3	Toluene	U	2.08	ug/kg	0.312	2.08
79-01-6	Trichloroethylene	U	2.08	ug/kg	0.312	2.08
75-69-4	Trichlorofluoromethane	U	2.08	ug/kg	0.312	2.08
76-13-1	Trichlorotrifluoroethane	U	5.19	ug/kg	1.66	5.19
75-01-4	Vinyl chloride	U	2.08	ug/kg	0.312	2.08
156-59-2	cis-1,2-Dichloroethylene	U	2.08	ug/kg	0.312	2.08
10061-01-5	cis-1,3-Dichloropropylene	U	2.08	ug/kg	0.312	2.08
179601-23-1	m,p-Xylenes	U	4.15	ug/kg	0.312	4.15
95-47-6	o-Xylene	U	2.08	ug/kg	0.312	2.08
1634-04-4	tert-Butyl methyl ether	U	2.08	ug/kg	0.312	2.08
156-60-5	trans-1,2-Dichloroethylene	U	2.08	ug/kg	0.312	2.08
10061-02-6	trans-1,3-Dichloropropylene	U	2.08	ug/kg	0.312	2.08

Volatile
Certificate of Analysis
Sample Summary

Page 1 of 2

SDG Number: 455067
Lab Sample ID: 455067006

Client ID: S01
Batch ID: 1784645
Run Date: 07/21/2018 17:08
Prep Date: 07/21/2018 12:14
Data File: 072118V3\3Q615.D

Date Collected: 07/19/2018 09:25
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.4
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	106	ug/kg	15.9	106
79-34-5	1,1,2,2-Tetrachloroethane	U	106	ug/kg	15.9	106
79-00-5	1,1,2-Trichloroethane	U	106	ug/kg	15.9	106
75-34-3	1,1-Dichloroethane	U	106	ug/kg	15.9	106
75-35-4	1,1-Dichloroethylene	U	106	ug/kg	15.9	106
87-61-6	1,2,3-Trichlorobenzene	U	106	ug/kg	15.9	106
120-82-1	1,2,4-Trichlorobenzene	U	106	ug/kg	15.9	106
96-12-8	1,2-Dibromo-3-chloropropane	U	106	ug/kg	26.5	106
106-93-4	1,2-Dibromoethane	U	106	ug/kg	15.9	106
95-50-1	1,2-Dichlorobenzene	U	106	ug/kg	15.9	106
107-06-2	1,2-Dichloroethane	U	106	ug/kg	15.9	106
78-87-5	1,2-Dichloropropane	U	106	ug/kg	15.9	106
541-73-1	1,3-Dichlorobenzene	U	106	ug/kg	15.9	106
106-46-7	1,4-Dichlorobenzene	U	106	ug/kg	15.9	106
123-91-1	1,4-Dioxane	U	2650	ug/kg	794	2650
78-93-3	2-Butanone	U	529	ug/kg	159	529
591-78-6	2-Hexanone	U	529	ug/kg	159	529
108-10-1	4-Methyl-2-pentanone	U	529	ug/kg	159	529
67-64-1	Acetone	U	529	ug/kg	159	529
71-43-2	Benzene	U	106	ug/kg	15.9	106
74-97-5	Bromochloromethane	U	106	ug/kg	15.9	106
75-27-4	Bromodichloromethane	U	106	ug/kg	15.9	106
75-25-2	Bromoform	U	106	ug/kg	15.9	106
74-83-9	Bromomethane	U	106	ug/kg	15.9	106
75-15-0	Carbon disulfide	U	529	ug/kg	84.7	529
56-23-5	Carbon tetrachloride	U	106	ug/kg	15.9	106
108-90-7	Chlorobenzene	U	106	ug/kg	15.9	106
75-00-3	Chloroethane	U	106	ug/kg	15.9	106
67-66-3	Chloroform	U	106	ug/kg	15.9	106
74-87-3	Chloromethane	U	106	ug/kg	15.9	106
110-82-7	Cyclohexane	U	106	ug/kg	15.9	106
124-48-1	Dibromochloromethane	U	106	ug/kg	15.9	106
75-71-8	Dichlorodifluoromethane	U	106	ug/kg	15.9	106
100-41-4	Ethylbenzene	U	106	ug/kg	15.9	106
98-82-8	Isopropylbenzene	U	106	ug/kg	15.9	106
79-20-9	Methyl acetate	U	265	ug/kg	79.4	265
108-87-2	Methylcyclohexane	U	106	ug/kg	15.9	106
75-09-2	Methylene chloride	U	265	ug/kg	84.7	265

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067	Date Collected: 07/19/2018 09:25	Matrix: SOIL
Lab Sample ID: 455067006	Date Received: 07/20/2018 09:15	%Moisture: 7.4
Client ID: S01	Client: URSC013	Project: URSC00114
Batch ID: 1784645	Method: SW846 5035A/8260C	SOP Ref: GL-OA-E-038
Run Date: 07/21/2018 17:08	Inst: VOA3.I	Dilution: 50
Prep Date: 07/21/2018 12:14	Analyst: JP1	Purge Vol: 5 mL
Data File: 072118V3\3Q615.D	Aliquot: 5.1 g	Final Volume: 5 mL
	Column: DB-624	

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	106	ug/kg	15.9	106
127-18-4	Tetrachloroethylene	U	106	ug/kg	15.9	106
108-88-3	Toluene	U	106	ug/kg	15.9	106
79-01-6	Trichloroethylene	U	106	ug/kg	15.9	106
75-69-4	Trichlorofluoromethane	U	106	ug/kg	15.9	106
76-13-1	Trichlorotrifluoroethane	U	265	ug/kg	84.7	265
75-01-4	Vinyl chloride	U	106	ug/kg	15.9	106
156-59-2	cis-1,2-Dichloroethylene	U	106	ug/kg	15.9	106
10061-01-5	cis-1,3-Dichloropropylene	U	106	ug/kg	15.9	106
179601-23-1	m,p-Xylenes	U	212	ug/kg	15.9	212
95-47-6	o-Xylene	U	106	ug/kg	15.9	106
1634-04-4	tert-Butyl methyl ether	U	106	ug/kg	15.9	106
156-60-5	trans-1,2-Dichloroethylene	U	106	ug/kg	15.9	106
10061-02-6	trans-1,3-Dichloropropylene	U	106	ug/kg	15.9	106

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067014

Client ID: S02RE
Batch ID: 1784645
Run Date: 08/02/2018 15:15
Prep Date: 08/02/2018 12:55
Data File: 080218V3\3S412.D

Date Collected: 07/19/2018 13:25
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.9
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	2.13	ug/kg	0.319	2.13
79-34-5	1,1,2,2-Tetrachloroethane	U	2.13	ug/kg	0.319	2.13
79-00-5	1,1,2-Trichloroethane	U	2.13	ug/kg	0.319	2.13
75-34-3	1,1-Dichloroethane	U	2.13	ug/kg	0.319	2.13
75-35-4	1,1-Dichloroethylene	U	2.13	ug/kg	0.319	2.13
87-61-6	1,2,3-Trichlorobenzene	U	2.13	ug/kg	0.319	2.13
120-82-1	1,2,4-Trichlorobenzene	U	2.13	ug/kg	0.319	2.13
96-12-8	1,2-Dibromo-3-chloropropane	U	2.13	ug/kg	0.532	2.13
106-93-4	1,2-Dibromoethane	U	2.13	ug/kg	0.319	2.13
95-50-1	1,2-Dichlorobenzene	U	2.13	ug/kg	0.319	2.13
107-06-2	1,2-Dichloroethane	U	2.13	ug/kg	0.319	2.13
78-87-5	1,2-Dichloropropane	U	2.13	ug/kg	0.319	2.13
541-73-1	1,3-Dichlorobenzene	U	2.13	ug/kg	0.319	2.13
106-46-7	1,4-Dichlorobenzene	U	2.13	ug/kg	0.319	2.13
123-91-1	1,4-Dioxane	U	53.2	ug/kg	16.0	53.2
78-93-3	2-Butanone	U	10.6	ug/kg	3.19	10.6
591-78-6	2-Hexanone	U	10.6	ug/kg	3.19	10.6
108-10-1	4-Methyl-2-pentanone	U	10.6	ug/kg	3.19	10.6
67-64-1	Acetone	J	7.71	ug/kg	3.19	10.6
71-43-2	Benzene	U	2.13	ug/kg	0.319	2.13
74-97-5	Bromochloromethane	U	2.13	ug/kg	0.319	2.13
75-27-4	Bromodichloromethane	U	2.13	ug/kg	0.319	2.13
75-25-2	Bromoform	U	2.13	ug/kg	0.319	2.13
74-83-9	Bromomethane	U	2.13	ug/kg	0.319	2.13
75-15-0	Carbon disulfide	U	10.6	ug/kg	1.70	10.6
56-23-5	Carbon tetrachloride	U	2.13	ug/kg	0.319	2.13
108-90-7	Chlorobenzene	U	2.13	ug/kg	0.319	2.13
75-00-3	Chloroethane	U	2.13	ug/kg	0.319	2.13
67-66-3	Chloroform	U	2.13	ug/kg	0.319	2.13
74-87-3	Chloromethane	U	2.13	ug/kg	0.319	2.13
110-82-7	Cyclohexane	U	2.13	ug/kg	0.319	2.13
124-48-1	Dibromochloromethane	U	2.13	ug/kg	0.319	2.13
75-71-8	Dichlorodifluoromethane	U	2.13	ug/kg	0.319	2.13
100-41-4	Ethylbenzene	U	2.13	ug/kg	0.319	2.13
98-82-8	Isopropylbenzene	U	2.13	ug/kg	0.319	2.13
79-20-9	Methyl acetate	U	5.32	ug/kg	1.60	5.32
108-87-2	Methylcyclohexane	U	2.13	ug/kg	0.319	2.13
75-09-2	Methylene chloride	U	5.32	ug/kg	1.70	5.32

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067014

Client ID: S02RE
Batch ID: 1784645
Run Date: 08/02/2018 15:15
Prep Date: 08/02/2018 12:55
Data File: 080218V3\3S412.D

Date Collected: 07/19/2018 13:25
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.9
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	2.13	ug/kg	0.319	2.13
127-18-4	Tetrachloroethylene	U	2.13	ug/kg	0.319	2.13
108-88-3	Toluene	U	2.13	ug/kg	0.319	2.13
79-01-6	Trichloroethylene	U	2.13	ug/kg	0.319	2.13
75-69-4	Trichlorofluoromethane	U	2.13	ug/kg	0.319	2.13
76-13-1	Trichlorotrifluoroethane	U	5.32	ug/kg	1.70	5.32
75-01-4	Vinyl chloride	U	2.13	ug/kg	0.319	2.13
156-59-2	cis-1,2-Dichloroethylene	U	2.13	ug/kg	0.319	2.13
10061-01-5	cis-1,3-Dichloropropylene	U	2.13	ug/kg	0.319	2.13
179601-23-1	m,p-Xylenes	U	4.26	ug/kg	0.319	4.26
95-47-6	o-Xylene	U	2.13	ug/kg	0.319	2.13
1634-04-4	tert-Butyl methyl ether	U	2.13	ug/kg	0.319	2.13
156-60-5	trans-1,2-Dichloroethylene	U	2.13	ug/kg	0.319	2.13
10061-02-6	trans-1,3-Dichloropropylene	U	2.13	ug/kg	0.319	2.13

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067014

Client ID: S02
Batch ID: 1784645
Run Date: 07/24/2018 14:21
Prep Date: 07/21/2018 12:22
Data File: 072418V3\3R210.D

Date Collected: 07/19/2018 13:25
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.2 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.9
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	104	ug/kg	15.7	104
79-34-5	1,1,2,2-Tetrachloroethane	U	104	ug/kg	15.7	104
79-00-5	1,1,2-Trichloroethane	U	104	ug/kg	15.7	104
75-34-3	1,1-Dichloroethane	U	104	ug/kg	15.7	104
75-35-4	1,1-Dichloroethylene	U	104	ug/kg	15.7	104
87-61-6	1,2,3-Trichlorobenzene	U	104	ug/kg	15.7	104
120-82-1	1,2,4-Trichlorobenzene	U	104	ug/kg	15.7	104
96-12-8	1,2-Dibromo-3-chloropropane	U	104	ug/kg	26.1	104
106-93-4	1,2-Dibromoethane	U	104	ug/kg	15.7	104
95-50-1	1,2-Dichlorobenzene	U	104	ug/kg	15.7	104
107-06-2	1,2-Dichloroethane	U	104	ug/kg	15.7	104
78-87-5	1,2-Dichloropropane	U	104	ug/kg	15.7	104
541-73-1	1,3-Dichlorobenzene	U	104	ug/kg	15.7	104
106-46-7	1,4-Dichlorobenzene	U	104	ug/kg	15.7	104
123-91-1	1,4-Dioxane	U	2610	ug/kg	783	2610
78-93-3	2-Butanone	U	522	ug/kg	157	522
591-78-6	2-Hexanone	U	522	ug/kg	157	522
108-10-1	4-Methyl-2-pentanone	U	522	ug/kg	157	522
67-64-1	Acetone	U	522	ug/kg	157	522
71-43-2	Benzene	U	104	ug/kg	15.7	104
74-97-5	Bromochloromethane	U	104	ug/kg	15.7	104
75-27-4	Bromodichloromethane	U	104	ug/kg	15.7	104
75-25-2	Bromoform	U	104	ug/kg	15.7	104
74-83-9	Bromomethane	U	104	ug/kg	15.7	104
75-15-0	Carbon disulfide	U	522	ug/kg	83.5	522
56-23-5	Carbon tetrachloride	U	104	ug/kg	15.7	104
108-90-7	Chlorobenzene	U	104	ug/kg	15.7	104
75-00-3	Chloroethane	U	104	ug/kg	15.7	104
67-66-3	Chloroform	U	104	ug/kg	15.7	104
74-87-3	Chloromethane	U	104	ug/kg	15.7	104
110-82-7	Cyclohexane	U	104	ug/kg	15.7	104
124-48-1	Dibromochloromethane	U	104	ug/kg	15.7	104
75-71-8	Dichlorodifluoromethane	U	104	ug/kg	15.7	104
100-41-4	Ethylbenzene	U	104	ug/kg	15.7	104
98-82-8	Isopropylbenzene	U	104	ug/kg	15.7	104
79-20-9	Methyl acetate	U	261	ug/kg	78.3	261
108-87-2	Methylcyclohexane	U	104	ug/kg	15.7	104
75-09-2	Methylene chloride	U	261	ug/kg	83.5	261

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067014

Client ID: S02
Batch ID: 1784645
Run Date: 07/24/2018 14:21
Prep Date: 07/21/2018 12:22
Data File: 072418V3\3R210.D

Date Collected: 07/19/2018 13:25
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.2 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.9
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	104	ug/kg	15.7	104
127-18-4	Tetrachloroethylene	U	104	ug/kg	15.7	104
108-88-3	Toluene	U	104	ug/kg	15.7	104
79-01-6	Trichloroethylene	U	104	ug/kg	15.7	104
75-69-4	Trichlorofluoromethane	U	104	ug/kg	15.7	104
76-13-1	Trichlorotrifluoroethane	U	261	ug/kg	83.5	261
75-01-4	Vinyl chloride	U	104	ug/kg	15.7	104
156-59-2	cis-1,2-Dichloroethylene	U	104	ug/kg	15.7	104
10061-01-5	cis-1,3-Dichloropropylene	U	104	ug/kg	15.7	104
179601-23-1	m,p-Xylenes	U	209	ug/kg	15.7	209
95-47-6	o-Xylene	U	104	ug/kg	15.7	104
1634-04-4	tert-Butyl methyl ether	U	104	ug/kg	15.7	104
156-60-5	trans-1,2-Dichloroethylene	U	104	ug/kg	15.7	104
10061-02-6	trans-1,3-Dichloropropylene	U	104	ug/kg	15.7	104

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067013

Client ID: S03RE
Batch ID: 1784645
Run Date: 08/02/2018 14:44
Prep Date: 08/02/2018 12:54
Data File: 080218V3\3S411.D

Date Collected: 07/19/2018 13:10
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.7
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	2.17	ug/kg	0.325	2.17
79-34-5	1,1,2,2-Tetrachloroethane	U	2.17	ug/kg	0.325	2.17
79-00-5	1,1,2-Trichloroethane	U	2.17	ug/kg	0.325	2.17
75-34-3	1,1-Dichloroethane	U	2.17	ug/kg	0.325	2.17
75-35-4	1,1-Dichloroethylene	U	2.17	ug/kg	0.325	2.17
87-61-6	1,2,3-Trichlorobenzene	U	2.17	ug/kg	0.325	2.17
120-82-1	1,2,4-Trichlorobenzene	U	2.17	ug/kg	0.325	2.17
96-12-8	1,2-Dibromo-3-chloropropane	U	2.17	ug/kg	0.541	2.17
106-93-4	1,2-Dibromoethane	U	2.17	ug/kg	0.325	2.17
95-50-1	1,2-Dichlorobenzene	U	2.17	ug/kg	0.325	2.17
107-06-2	1,2-Dichloroethane	U	2.17	ug/kg	0.325	2.17
78-87-5	1,2-Dichloropropane	U	2.17	ug/kg	0.325	2.17
541-73-1	1,3-Dichlorobenzene	U	2.17	ug/kg	0.325	2.17
106-46-7	1,4-Dichlorobenzene	U	2.17	ug/kg	0.325	2.17
123-91-1	1,4-Dioxane	U	54.1	ug/kg	16.2	54.1
78-93-3	2-Butanone	U	10.8	ug/kg	3.25	10.8
591-78-6	2-Hexanone	U	10.8	ug/kg	3.25	10.8
108-10-1	4-Methyl-2-pentanone	U	10.8	ug/kg	3.25	10.8
67-64-1	Acetone	J	6.95	ug/kg	3.25	10.8
71-43-2	Benzene	U	2.17	ug/kg	0.325	2.17
74-97-5	Bromochloromethane	U	2.17	ug/kg	0.325	2.17
75-27-4	Bromodichloromethane	U	2.17	ug/kg	0.325	2.17
75-25-2	Bromoform	U	2.17	ug/kg	0.325	2.17
74-83-9	Bromomethane	U	2.17	ug/kg	0.325	2.17
75-15-0	Carbon disulfide	J	3.41	ug/kg	1.73	10.8
56-23-5	Carbon tetrachloride	U	2.17	ug/kg	0.325	2.17
108-90-7	Chlorobenzene	U	2.17	ug/kg	0.325	2.17
75-00-3	Chloroethane	U	2.17	ug/kg	0.325	2.17
67-66-3	Chloroform	U	2.17	ug/kg	0.325	2.17
74-87-3	Chloromethane	U	2.17	ug/kg	0.325	2.17
110-82-7	Cyclohexane	U	2.17	ug/kg	0.325	2.17
124-48-1	Dibromochloromethane	U	2.17	ug/kg	0.325	2.17
75-71-8	Dichlorodifluoromethane	U	2.17	ug/kg	0.325	2.17
100-41-4	Ethylbenzene	U	2.17	ug/kg	0.325	2.17
98-82-8	Isopropylbenzene	U	2.17	ug/kg	0.325	2.17
79-20-9	Methyl acetate	U	5.41	ug/kg	1.62	5.41
108-87-2	Methylcyclohexane	U	2.17	ug/kg	0.325	2.17
75-09-2	Methylene chloride	U	5.41	ug/kg	1.73	5.41

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067	Date Collected: 07/19/2018 13:10	Matrix: SOIL
Lab Sample ID: 455067013	Date Received: 07/20/2018 09:15	%Moisture: 7.7
Client ID: S03RE	Client: URSC013	Project: URSC00114
Batch ID: 1784645	Method: SW846 5035A/8260C	SOP Ref: GL-OA-E-038
Run Date: 08/02/2018 14:44	Inst: VOA3.I	Dilution: 1
Prep Date: 08/02/2018 12:54	Analyst: JP1	Purge Vol: 5 mL
Data File: 080218V3\3S411.D	Aliquot: 5 g	Final Volume: 5 mL
	Column: DB-624	

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	2.17	ug/kg	0.325	2.17
127-18-4	Tetrachloroethylene	U	2.17	ug/kg	0.325	2.17
108-88-3	Toluene	U	2.17	ug/kg	0.325	2.17
79-01-6	Trichloroethylene	U	2.17	ug/kg	0.325	2.17
75-69-4	Trichlorofluoromethane	U	2.17	ug/kg	0.325	2.17
76-13-1	Trichlorotrifluoroethane	U	5.41	ug/kg	1.73	5.41
75-01-4	Vinyl chloride	U	2.17	ug/kg	0.325	2.17
156-59-2	cis-1,2-Dichloroethylene	U	2.17	ug/kg	0.325	2.17
10061-01-5	cis-1,3-Dichloropropylene	U	2.17	ug/kg	0.325	2.17
179601-23-1	m,p-Xylenes	U	4.33	ug/kg	0.325	4.33
95-47-6	o-Xylene	U	2.17	ug/kg	0.325	2.17
1634-04-4	tert-Butyl methyl ether	U	2.17	ug/kg	0.325	2.17
156-60-5	trans-1,2-Dichloroethylene	U	2.17	ug/kg	0.325	2.17
10061-02-6	trans-1,3-Dichloropropylene	U	2.17	ug/kg	0.325	2.17

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067013

Client ID: S03
Batch ID: 1784645
Run Date: 07/21/2018 20:46
Prep Date: 07/21/2018 12:21
Data File: 072118V3\3Q622.D

Date Collected: 07/19/2018 13:10
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.7
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	108	ug/kg	16.2	108
79-34-5	1,1,2,2-Tetrachloroethane	U	108	ug/kg	16.2	108
79-00-5	1,1,2-Trichloroethane	U	108	ug/kg	16.2	108
75-34-3	1,1-Dichloroethane	U	108	ug/kg	16.2	108
75-35-4	1,1-Dichloroethylene	U	108	ug/kg	16.2	108
87-61-6	1,2,3-Trichlorobenzene	U	108	ug/kg	16.2	108
120-82-1	1,2,4-Trichlorobenzene	U	108	ug/kg	16.2	108
96-12-8	1,2-Dibromo-3-chloropropane	U	108	ug/kg	27.1	108
106-93-4	1,2-Dibromoethane	U	108	ug/kg	16.2	108
95-50-1	1,2-Dichlorobenzene	U	108	ug/kg	16.2	108
107-06-2	1,2-Dichloroethane	U	108	ug/kg	16.2	108
78-87-5	1,2-Dichloropropane	U	108	ug/kg	16.2	108
541-73-1	1,3-Dichlorobenzene	U	108	ug/kg	16.2	108
106-46-7	1,4-Dichlorobenzene	U	108	ug/kg	16.2	108
123-91-1	1,4-Dioxane	U	2710	ug/kg	812	2710
78-93-3	2-Butanone	U	541	ug/kg	162	541
591-78-6	2-Hexanone	U	541	ug/kg	162	541
108-10-1	4-Methyl-2-pentanone	U	541	ug/kg	162	541
67-64-1	Acetone	U	541	ug/kg	162	541
71-43-2	Benzene	U	108	ug/kg	16.2	108
74-97-5	Bromochloromethane	U	108	ug/kg	16.2	108
75-27-4	Bromodichloromethane	U	108	ug/kg	16.2	108
75-25-2	Bromoform	U	108	ug/kg	16.2	108
74-83-9	Bromomethane	U	108	ug/kg	16.2	108
75-15-0	Carbon disulfide	U	541	ug/kg	86.6	541
56-23-5	Carbon tetrachloride	U	108	ug/kg	16.2	108
108-90-7	Chlorobenzene	U	108	ug/kg	16.2	108
75-00-3	Chloroethane	U	108	ug/kg	16.2	108
67-66-3	Chloroform	U	108	ug/kg	16.2	108
74-87-3	Chloromethane	U	108	ug/kg	16.2	108
110-82-7	Cyclohexane	U	108	ug/kg	16.2	108
124-48-1	Dibromochloromethane	U	108	ug/kg	16.2	108
75-71-8	Dichlorodifluoromethane	U	108	ug/kg	16.2	108
100-41-4	Ethylbenzene	U	108	ug/kg	16.2	108
98-82-8	Isopropylbenzene	U	108	ug/kg	16.2	108
79-20-9	Methyl acetate	U	271	ug/kg	81.2	271
108-87-2	Methylcyclohexane	U	108	ug/kg	16.2	108
75-09-2	Methylene chloride	U	271	ug/kg	86.6	271

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067013

Client ID: S03
Batch ID: 1784645
Run Date: 07/21/2018 20:46
Prep Date: 07/21/2018 12:21
Data File: 072118V3\3Q622.D

Date Collected: 07/19/2018 13:10
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.7
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	108	ug/kg	16.2	108
127-18-4	Tetrachloroethylene	U	108	ug/kg	16.2	108
108-88-3	Toluene	U	108	ug/kg	16.2	108
79-01-6	Trichloroethylene	U	108	ug/kg	16.2	108
75-69-4	Trichlorofluoromethane	U	108	ug/kg	16.2	108
76-13-1	Trichlorotrifluoroethane	U	271	ug/kg	86.6	271
75-01-4	Vinyl chloride	U	108	ug/kg	16.2	108
156-59-2	cis-1,2-Dichloroethylene	U	108	ug/kg	16.2	108
10061-01-5	cis-1,3-Dichloropropylene	U	108	ug/kg	16.2	108
179601-23-1	m,p-Xylenes	U	217	ug/kg	16.2	217
95-47-6	o-Xylene	U	108	ug/kg	16.2	108
1634-04-4	tert-Butyl methyl ether	U	108	ug/kg	16.2	108
156-60-5	trans-1,2-Dichloroethylene	U	108	ug/kg	16.2	108
10061-02-6	trans-1,3-Dichloropropylene	U	108	ug/kg	16.2	108

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067010

Client ID: S04RE
Batch ID: 1784645
Run Date: 08/01/2018 17:35
Prep Date: 08/01/2018 13:24
Data File: 080118V3\3S315.D

Date Collected: 07/19/2018 10:40
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.7
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	2.12	ug/kg	0.319	2.12
79-34-5	1,1,2,2-Tetrachloroethane	U	2.12	ug/kg	0.319	2.12
79-00-5	1,1,2-Trichloroethane	U	2.12	ug/kg	0.319	2.12
75-34-3	1,1-Dichloroethane	U	2.12	ug/kg	0.319	2.12
75-35-4	1,1-Dichloroethylene	U	2.12	ug/kg	0.319	2.12
87-61-6	1,2,3-Trichlorobenzene	U	2.12	ug/kg	0.319	2.12
120-82-1	1,2,4-Trichlorobenzene	U	2.12	ug/kg	0.319	2.12
96-12-8	1,2-Dibromo-3-chloropropane	U	2.12	ug/kg	0.531	2.12
106-93-4	1,2-Dibromoethane	U	2.12	ug/kg	0.319	2.12
95-50-1	1,2-Dichlorobenzene	U	2.12	ug/kg	0.319	2.12
107-06-2	1,2-Dichloroethane	U	2.12	ug/kg	0.319	2.12
78-87-5	1,2-Dichloropropane	U	2.12	ug/kg	0.319	2.12
541-73-1	1,3-Dichlorobenzene	U	2.12	ug/kg	0.319	2.12
106-46-7	1,4-Dichlorobenzene	U	2.12	ug/kg	0.319	2.12
123-91-1	1,4-Dioxane	U	53.1	ug/kg	15.9	53.1
78-93-3	2-Butanone	U	10.6	ug/kg	3.19	10.6
591-78-6	2-Hexanone	U	10.6	ug/kg	3.19	10.6
108-10-1	4-Methyl-2-pentanone	U	10.6	ug/kg	3.19	10.6
67-64-1	Acetone	J	10.4	ug/kg	3.19	10.6
71-43-2	Benzene	U	2.12	ug/kg	0.319	2.12
74-97-5	Bromochloromethane	U	2.12	ug/kg	0.319	2.12
75-27-4	Bromodichloromethane	U	2.12	ug/kg	0.319	2.12
75-25-2	Bromoform	U	2.12	ug/kg	0.319	2.12
74-83-9	Bromomethane	U	2.12	ug/kg	0.319	2.12
75-15-0	Carbon disulfide	U	10.6	ug/kg	1.70	10.6
56-23-5	Carbon tetrachloride	U	2.12	ug/kg	0.319	2.12
108-90-7	Chlorobenzene	U	2.12	ug/kg	0.319	2.12
75-00-3	Chloroethane	U	2.12	ug/kg	0.319	2.12
67-66-3	Chloroform	U	2.12	ug/kg	0.319	2.12
74-87-3	Chloromethane	U	2.12	ug/kg	0.319	2.12
110-82-7	Cyclohexane	U	2.12	ug/kg	0.319	2.12
124-48-1	Dibromochloromethane	U	2.12	ug/kg	0.319	2.12
75-71-8	Dichlorodifluoromethane	U	2.12	ug/kg	0.319	2.12
100-41-4	Ethylbenzene	U	2.12	ug/kg	0.319	2.12
98-82-8	Isopropylbenzene	U	2.12	ug/kg	0.319	2.12
79-20-9	Methyl acetate	U	5.31	ug/kg	1.59	5.31
108-87-2	Methylcyclohexane	U	2.12	ug/kg	0.319	2.12
75-09-2	Methylene chloride	U	5.31	ug/kg	1.70	5.31

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067010

Client ID: S04RE
Batch ID: 1784645
Run Date: 08/01/2018 17:35
Prep Date: 08/01/2018 13:24
Data File: 080118V3\3S315.D

Date Collected: 07/19/2018 10:40
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.7
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	2.12	ug/kg	0.319	2.12
127-18-4	Tetrachloroethylene	U	2.12	ug/kg	0.319	2.12
108-88-3	Toluene	U	2.12	ug/kg	0.319	2.12
79-01-6	Trichloroethylene	U	2.12	ug/kg	0.319	2.12
75-69-4	Trichlorofluoromethane	U	2.12	ug/kg	0.319	2.12
76-13-1	Trichlorotrifluoroethane	U	5.31	ug/kg	1.70	5.31
75-01-4	Vinyl chloride	U	2.12	ug/kg	0.319	2.12
156-59-2	cis-1,2-Dichloroethylene	U	2.12	ug/kg	0.319	2.12
10061-01-5	cis-1,3-Dichloropropylene	U	2.12	ug/kg	0.319	2.12
179601-23-1	m,p-Xylenes	U	4.25	ug/kg	0.319	4.25
95-47-6	o-Xylene	U	2.12	ug/kg	0.319	2.12
1634-04-4	tert-Butyl methyl ether	U	2.12	ug/kg	0.319	2.12
156-60-5	trans-1,2-Dichloroethylene	U	2.12	ug/kg	0.319	2.12
10061-02-6	trans-1,3-Dichloropropylene	U	2.12	ug/kg	0.319	2.12

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067010

Client ID: S04
Batch ID: 1784645
Run Date: 07/21/2018 19:12
Prep Date: 07/21/2018 12:18
Data File: 072118V3\3Q619.D

Date Collected: 07/19/2018 10:40
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.7
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	106	ug/kg	15.9	106
79-34-5	1,1,2,2-Tetrachloroethane	U	106	ug/kg	15.9	106
79-00-5	1,1,2-Trichloroethane	U	106	ug/kg	15.9	106
75-34-3	1,1-Dichloroethane	U	106	ug/kg	15.9	106
75-35-4	1,1-Dichloroethylene	U	106	ug/kg	15.9	106
87-61-6	1,2,3-Trichlorobenzene	U	106	ug/kg	15.9	106
120-82-1	1,2,4-Trichlorobenzene	U	106	ug/kg	15.9	106
96-12-8	1,2-Dibromo-3-chloropropane	U	106	ug/kg	26.6	106
106-93-4	1,2-Dibromoethane	U	106	ug/kg	15.9	106
95-50-1	1,2-Dichlorobenzene	U	106	ug/kg	15.9	106
107-06-2	1,2-Dichloroethane	U	106	ug/kg	15.9	106
78-87-5	1,2-Dichloropropane	U	106	ug/kg	15.9	106
541-73-1	1,3-Dichlorobenzene	U	106	ug/kg	15.9	106
106-46-7	1,4-Dichlorobenzene	U	106	ug/kg	15.9	106
123-91-1	1,4-Dioxane	U	2660	ug/kg	797	2660
78-93-3	2-Butanone	U	531	ug/kg	159	531
591-78-6	2-Hexanone	U	531	ug/kg	159	531
108-10-1	4-Methyl-2-pentanone	U	531	ug/kg	159	531
67-64-1	Acetone	U	531	ug/kg	159	531
71-43-2	Benzene	U	106	ug/kg	15.9	106
74-97-5	Bromochloromethane	U	106	ug/kg	15.9	106
75-27-4	Bromodichloromethane	U	106	ug/kg	15.9	106
75-25-2	Bromoform	U	106	ug/kg	15.9	106
74-83-9	Bromomethane	U	106	ug/kg	15.9	106
75-15-0	Carbon disulfide	U	531	ug/kg	85.0	531
56-23-5	Carbon tetrachloride	U	106	ug/kg	15.9	106
108-90-7	Chlorobenzene	U	106	ug/kg	15.9	106
75-00-3	Chloroethane	U	106	ug/kg	15.9	106
67-66-3	Chloroform	U	106	ug/kg	15.9	106
74-87-3	Chloromethane	U	106	ug/kg	15.9	106
110-82-7	Cyclohexane	U	106	ug/kg	15.9	106
124-48-1	Dibromochloromethane	U	106	ug/kg	15.9	106
75-71-8	Dichlorodifluoromethane	U	106	ug/kg	15.9	106
100-41-4	Ethylbenzene	U	106	ug/kg	15.9	106
98-82-8	Isopropylbenzene	U	106	ug/kg	15.9	106
79-20-9	Methyl acetate	U	266	ug/kg	79.7	266
108-87-2	Methylcyclohexane	U	106	ug/kg	15.9	106
75-09-2	Methylene chloride	U	266	ug/kg	85.0	266

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067010

Client ID: S04
Batch ID: 1784645
Run Date: 07/21/2018 19:12
Prep Date: 07/21/2018 12:18
Data File: 072118V3\3Q619.D

Date Collected: 07/19/2018 10:40
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.7
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	106	ug/kg	15.9	106
127-18-4	Tetrachloroethylene	U	106	ug/kg	15.9	106
108-88-3	Toluene	U	106	ug/kg	15.9	106
79-01-6	Trichloroethylene	U	106	ug/kg	15.9	106
75-69-4	Trichlorofluoromethane	U	106	ug/kg	15.9	106
76-13-1	Trichlorotrifluoroethane	U	266	ug/kg	85.0	266
75-01-4	Vinyl chloride	U	106	ug/kg	15.9	106
156-59-2	cis-1,2-Dichloroethylene	U	106	ug/kg	15.9	106
10061-01-5	cis-1,3-Dichloropropylene	U	106	ug/kg	15.9	106
179601-23-1	m,p-Xylenes	U	212	ug/kg	15.9	212
95-47-6	o-Xylene	U	106	ug/kg	15.9	106
1634-04-4	tert-Butyl methyl ether	U	106	ug/kg	15.9	106
156-60-5	trans-1,2-Dichloroethylene	U	106	ug/kg	15.9	106
10061-02-6	trans-1,3-Dichloropropylene	U	106	ug/kg	15.9	106

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454944
Lab Sample ID: 454944005

Client ID: S05
Batch ID: 1785349
Run Date: 07/24/2018 16:56
Prep Date: 07/24/2018 13:17
Data File: 072418V3\3R215.D

Date Collected: 07/18/2018 10:20
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.2 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.8
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	105	ug/kg	15.8	105
79-34-5	1,1,2,2-Tetrachloroethane	U	105	ug/kg	15.8	105
79-00-5	1,1,2-Trichloroethane	U	105	ug/kg	15.8	105
75-34-3	1,1-Dichloroethane	U	105	ug/kg	15.8	105
75-35-4	1,1-Dichloroethylene	U	105	ug/kg	15.8	105
87-61-6	1,2,3-Trichlorobenzene	U	105	ug/kg	15.8	105
120-82-1	1,2,4-Trichlorobenzene	U	105	ug/kg	15.8	105
96-12-8	1,2-Dibromo-3-chloropropane	U	105	ug/kg	26.4	105
106-93-4	1,2-Dibromoethane	U	105	ug/kg	15.8	105
95-50-1	1,2-Dichlorobenzene	U	105	ug/kg	15.8	105
107-06-2	1,2-Dichloroethane	U	105	ug/kg	15.8	105
78-87-5	1,2-Dichloropropane	U	105	ug/kg	15.8	105
541-73-1	1,3-Dichlorobenzene	U	105	ug/kg	15.8	105
106-46-7	1,4-Dichlorobenzene	U	105	ug/kg	15.8	105
123-91-1	1,4-Dioxane	U	2640	ug/kg	791	2640
78-93-3	2-Butanone	U	527	ug/kg	158	527
591-78-6	2-Hexanone	U	527	ug/kg	158	527
108-10-1	4-Methyl-2-pentanone	U	527	ug/kg	158	527
67-64-1	Acetone	U	527	ug/kg	158	527
71-43-2	Benzene	U	105	ug/kg	15.8	105
74-97-5	Bromochloromethane	U	105	ug/kg	15.8	105
75-27-4	Bromodichloromethane	U	105	ug/kg	15.8	105
75-25-2	Bromoform	U	105	ug/kg	15.8	105
74-83-9	Bromomethane	U	105	ug/kg	15.8	105
75-15-0	Carbon disulfide	U	527	ug/kg	84.4	527
56-23-5	Carbon tetrachloride	U	105	ug/kg	15.8	105
108-90-7	Chlorobenzene	U	105	ug/kg	15.8	105
75-00-3	Chloroethane	U	105	ug/kg	15.8	105
67-66-3	Chloroform	U	105	ug/kg	15.8	105
74-87-3	Chloromethane	U	105	ug/kg	15.8	105
110-82-7	Cyclohexane	U	105	ug/kg	15.8	105
124-48-1	Dibromochloromethane	U	105	ug/kg	15.8	105
75-71-8	Dichlorodifluoromethane	U	105	ug/kg	15.8	105
100-41-4	Ethylbenzene	U	105	ug/kg	15.8	105
98-82-8	Isopropylbenzene	U	105	ug/kg	15.8	105
79-20-9	Methyl acetate	U	264	ug/kg	79.1	264
108-87-2	Methylcyclohexane	U	105	ug/kg	15.8	105
75-09-2	Methylene chloride	U	264	ug/kg	84.4	264

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454944
Lab Sample ID: 454944005

Client ID: S05
Batch ID: 1785349
Run Date: 07/24/2018 16:56
Prep Date: 07/24/2018 13:17
Data File: 072418V3\3R215.D

Date Collected: 07/18/2018 10:20
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.2 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.8
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	105	ug/kg	15.8	105
127-18-4	Tetrachloroethylene	U	105	ug/kg	15.8	105
108-88-3	Toluene	U	105	ug/kg	15.8	105
79-01-6	Trichloroethylene	U	105	ug/kg	15.8	105
75-69-4	Trichlorofluoromethane	U	105	ug/kg	15.8	105
76-13-1	Trichlorotrifluoroethane	U	264	ug/kg	84.4	264
75-01-4	Vinyl chloride	U	105	ug/kg	15.8	105
156-59-2	cis-1,2-Dichloroethylene	U	105	ug/kg	15.8	105
10061-01-5	cis-1,3-Dichloropropylene	U	105	ug/kg	15.8	105
179601-23-1	m,p-Xylenes	U	211	ug/kg	15.8	211
95-47-6	o-Xylene	U	105	ug/kg	15.8	105
1634-04-4	tert-Butyl methyl ether	U	105	ug/kg	15.8	105
156-60-5	trans-1,2-Dichloroethylene	U	105	ug/kg	15.8	105
10061-02-6	trans-1,3-Dichloropropylene	U	105	ug/kg	15.8	105

Volatile
Certificate of Analysis
Sample Summary

Page 1 of 2

SDG Number: 454944
Lab Sample ID: 454944005

Client ID: S05RE
Batch ID: 1785349
Run Date: 07/27/2018 16:54
Prep Date: 07/27/2018 11:05
Data File: 072718V3\3R513.D

Date Collected: 07/18/2018 10:20
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.6 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.8
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	1.96	ug/kg	0.294	1.96
79-34-5	1,1,2,2-Tetrachloroethane	U	1.96	ug/kg	0.294	1.96
79-00-5	1,1,2-Trichloroethane	U	1.96	ug/kg	0.294	1.96
75-34-3	1,1-Dichloroethane	U	1.96	ug/kg	0.294	1.96
75-35-4	1,1-Dichloroethylene	U	1.96	ug/kg	0.294	1.96
87-61-6	1,2,3-Trichlorobenzene	U	1.96	ug/kg	0.294	1.96
120-82-1	1,2,4-Trichlorobenzene	U	1.96	ug/kg	0.294	1.96
96-12-8	1,2-Dibromo-3-chloropropane	U	1.96	ug/kg	0.490	1.96
106-93-4	1,2-Dibromoethane	U	1.96	ug/kg	0.294	1.96
95-50-1	1,2-Dichlorobenzene	U	1.96	ug/kg	0.294	1.96
107-06-2	1,2-Dichloroethane	U	1.96	ug/kg	0.294	1.96
78-87-5	1,2-Dichloropropane	U	1.96	ug/kg	0.294	1.96
541-73-1	1,3-Dichlorobenzene	U	1.96	ug/kg	0.294	1.96
106-46-7	1,4-Dichlorobenzene	U	1.96	ug/kg	0.294	1.96
123-91-1	1,4-Dioxane	U	49.0	ug/kg	14.7	49.0
78-93-3	2-Butanone	U	9.79	ug/kg	2.94	9.79
591-78-6	2-Hexanone	U	9.79	ug/kg	2.94	9.79
108-10-1	4-Methyl-2-pentanone	U	9.79	ug/kg	2.94	9.79
67-64-1	Acetone		12.3	ug/kg	2.94	9.79
71-43-2	Benzene	U	1.96	ug/kg	0.294	1.96
74-97-5	Bromochloromethane	U	1.96	ug/kg	0.294	1.96
75-27-4	Bromodichloromethane	U	1.96	ug/kg	0.294	1.96
75-25-2	Bromoform	U	1.96	ug/kg	0.294	1.96
74-83-9	Bromomethane	U	1.96	ug/kg	0.294	1.96
75-15-0	Carbon disulfide	J	1.60	ug/kg	1.57	9.79
56-23-5	Carbon tetrachloride	U	1.96	ug/kg	0.294	1.96
108-90-7	Chlorobenzene	U	1.96	ug/kg	0.294	1.96
75-00-3	Chloroethane	U	1.96	ug/kg	0.294	1.96
67-66-3	Chloroform	U	1.96	ug/kg	0.294	1.96
74-87-3	Chloromethane	U	1.96	ug/kg	0.294	1.96
110-82-7	Cyclohexane	U	1.96	ug/kg	0.294	1.96
124-48-1	Dibromochloromethane	U	1.96	ug/kg	0.294	1.96
75-71-8	Dichlorodifluoromethane	U	1.96	ug/kg	0.294	1.96
100-41-4	Ethylbenzene	U	1.96	ug/kg	0.294	1.96
98-82-8	Isopropylbenzene	U	1.96	ug/kg	0.294	1.96
79-20-9	Methyl acetate	U	4.90	ug/kg	1.47	4.90
108-87-2	Methylcyclohexane	U	1.96	ug/kg	0.294	1.96
75-09-2	Methylene chloride	U	4.90	ug/kg	1.57	4.90

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454944
Lab Sample ID: 454944005

Client ID: S05RE
Batch ID: 1785349
Run Date: 07/27/2018 16:54
Prep Date: 07/27/2018 11:05
Data File: 072718V3\3R513.D

Date Collected: 07/18/2018 10:20
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.6 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.8
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	1.96	ug/kg	0.294	1.96
127-18-4	Tetrachloroethylene	U	1.96	ug/kg	0.294	1.96
108-88-3	Toluene	U	1.96	ug/kg	0.294	1.96
79-01-6	Trichloroethylene	U	1.96	ug/kg	0.294	1.96
75-69-4	Trichlorofluoromethane	U	1.96	ug/kg	0.294	1.96
76-13-1	Trichlorotrifluoroethane	U	4.90	ug/kg	1.57	4.90
75-01-4	Vinyl chloride	U	1.96	ug/kg	0.294	1.96
156-59-2	cis-1,2-Dichloroethylene	U	1.96	ug/kg	0.294	1.96
10061-01-5	cis-1,3-Dichloropropylene	U	1.96	ug/kg	0.294	1.96
179601-23-1	m,p-Xylenes	U	3.92	ug/kg	0.294	3.92
95-47-6	o-Xylene	U	1.96	ug/kg	0.294	1.96
1634-04-4	tert-Butyl methyl ether	U	1.96	ug/kg	0.294	1.96
156-60-5	trans-1,2-Dichloroethylene	U	1.96	ug/kg	0.294	1.96
10061-02-6	trans-1,3-Dichloropropylene	U	1.96	ug/kg	0.294	1.96

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454944
Lab Sample ID: 454944003

Client ID: S06
Batch ID: 1785349
Run Date: 07/24/2018 15:54
Prep Date: 07/24/2018 13:15
Data File: 072418V3\3R213.D

Date Collected: 07/18/2018 09:10
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.1
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	108	ug/kg	16.1	108
79-34-5	1,1,2,2-Tetrachloroethane	U	108	ug/kg	16.1	108
79-00-5	1,1,2-Trichloroethane	U	108	ug/kg	16.1	108
75-34-3	1,1-Dichloroethane	U	108	ug/kg	16.1	108
75-35-4	1,1-Dichloroethylene	U	108	ug/kg	16.1	108
87-61-6	1,2,3-Trichlorobenzene	U	108	ug/kg	16.1	108
120-82-1	1,2,4-Trichlorobenzene	U	108	ug/kg	16.1	108
96-12-8	1,2-Dibromo-3-chloropropane	U	108	ug/kg	26.9	108
106-93-4	1,2-Dibromoethane	U	108	ug/kg	16.1	108
95-50-1	1,2-Dichlorobenzene	U	108	ug/kg	16.1	108
107-06-2	1,2-Dichloroethane	U	108	ug/kg	16.1	108
78-87-5	1,2-Dichloropropane	U	108	ug/kg	16.1	108
541-73-1	1,3-Dichlorobenzene	U	108	ug/kg	16.1	108
106-46-7	1,4-Dichlorobenzene	U	108	ug/kg	16.1	108
123-91-1	1,4-Dioxane	U	2690	ug/kg	807	2690
78-93-3	2-Butanone	U	538	ug/kg	161	538
591-78-6	2-Hexanone	U	538	ug/kg	161	538
108-10-1	4-Methyl-2-pentanone	U	538	ug/kg	161	538
67-64-1	Acetone	U	538	ug/kg	161	538
71-43-2	Benzene	U	108	ug/kg	16.1	108
74-97-5	Bromochloromethane	U	108	ug/kg	16.1	108
75-27-4	Bromodichloromethane	U	108	ug/kg	16.1	108
75-25-2	Bromoform	U	108	ug/kg	16.1	108
74-83-9	Bromomethane	U	108	ug/kg	16.1	108
75-15-0	Carbon disulfide	U	538	ug/kg	86.1	538
56-23-5	Carbon tetrachloride	U	108	ug/kg	16.1	108
108-90-7	Chlorobenzene	U	108	ug/kg	16.1	108
75-00-3	Chloroethane	U	108	ug/kg	16.1	108
67-66-3	Chloroform	U	108	ug/kg	16.1	108
74-87-3	Chloromethane	U	108	ug/kg	16.1	108
110-82-7	Cyclohexane	U	108	ug/kg	16.1	108
124-48-1	Dibromochloromethane	U	108	ug/kg	16.1	108
75-71-8	Dichlorodifluoromethane	U	108	ug/kg	16.1	108
100-41-4	Ethylbenzene	U	108	ug/kg	16.1	108
98-82-8	Isopropylbenzene	U	108	ug/kg	16.1	108
79-20-9	Methyl acetate	U	269	ug/kg	80.7	269
108-87-2	Methylcyclohexane	U	108	ug/kg	16.1	108
75-09-2	Methylene chloride	U	269	ug/kg	86.1	269

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454944
Lab Sample ID: 454944003

Client ID: S06
Batch ID: 1785349
Run Date: 07/24/2018 15:54
Prep Date: 07/24/2018 13:15
Data File: 072418V3\3R213.D

Date Collected: 07/18/2018 09:10
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.1
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	108	ug/kg	16.1	108
127-18-4	Tetrachloroethylene	U	108	ug/kg	16.1	108
108-88-3	Toluene	U	108	ug/kg	16.1	108
79-01-6	Trichloroethylene	U	108	ug/kg	16.1	108
75-69-4	Trichlorofluoromethane	U	108	ug/kg	16.1	108
76-13-1	Trichlorotrifluoroethane	U	269	ug/kg	86.1	269
75-01-4	Vinyl chloride	U	108	ug/kg	16.1	108
156-59-2	cis-1,2-Dichloroethylene	U	108	ug/kg	16.1	108
10061-01-5	cis-1,3-Dichloropropylene	U	108	ug/kg	16.1	108
179601-23-1	m,p-Xylenes	U	215	ug/kg	16.1	215
95-47-6	o-Xylene	U	108	ug/kg	16.1	108
1634-04-4	tert-Butyl methyl ether	U	108	ug/kg	16.1	108
156-60-5	trans-1,2-Dichloroethylene	U	108	ug/kg	16.1	108
10061-02-6	trans-1,3-Dichloropropylene	U	108	ug/kg	16.1	108

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454944
Lab Sample ID: 454944003

Client ID: S06RE
Batch ID: 1785349
Run Date: 07/27/2018 15:52
Prep Date: 07/27/2018 11:03
Data File: 072718V3\3R511.D

Date Collected: 07/18/2018 09:10
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.1
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	2.11	ug/kg	0.317	2.11
79-34-5	1,1,2,2-Tetrachloroethane	U	2.11	ug/kg	0.317	2.11
79-00-5	1,1,2-Trichloroethane	U	2.11	ug/kg	0.317	2.11
75-34-3	1,1-Dichloroethane	U	2.11	ug/kg	0.317	2.11
75-35-4	1,1-Dichloroethylene	U	2.11	ug/kg	0.317	2.11
87-61-6	1,2,3-Trichlorobenzene	U	2.11	ug/kg	0.317	2.11
120-82-1	1,2,4-Trichlorobenzene	U	2.11	ug/kg	0.317	2.11
96-12-8	1,2-Dibromo-3-chloropropane	U	2.11	ug/kg	0.528	2.11
106-93-4	1,2-Dibromoethane	U	2.11	ug/kg	0.317	2.11
95-50-1	1,2-Dichlorobenzene	U	2.11	ug/kg	0.317	2.11
107-06-2	1,2-Dichloroethane	U	2.11	ug/kg	0.317	2.11
78-87-5	1,2-Dichloropropane	U	2.11	ug/kg	0.317	2.11
541-73-1	1,3-Dichlorobenzene	U	2.11	ug/kg	0.317	2.11
106-46-7	1,4-Dichlorobenzene	U	2.11	ug/kg	0.317	2.11
123-91-1	1,4-Dioxane	U	52.8	ug/kg	15.8	52.8
78-93-3	2-Butanone	U	10.6	ug/kg	3.17	10.6
591-78-6	2-Hexanone	U	10.6	ug/kg	3.17	10.6
108-10-1	4-Methyl-2-pentanone	U	10.6	ug/kg	3.17	10.6
67-64-1	Acetone		14.9	ug/kg	3.17	10.6
71-43-2	Benzene	U	2.11	ug/kg	0.317	2.11
74-97-5	Bromochloromethane	U	2.11	ug/kg	0.317	2.11
75-27-4	Bromodichloromethane	U	2.11	ug/kg	0.317	2.11
75-25-2	Bromoform	U	2.11	ug/kg	0.317	2.11
74-83-9	Bromomethane	U	2.11	ug/kg	0.317	2.11
75-15-0	Carbon disulfide	U	10.6	ug/kg	1.69	10.6
56-23-5	Carbon tetrachloride	U	2.11	ug/kg	0.317	2.11
108-90-7	Chlorobenzene	U	2.11	ug/kg	0.317	2.11
75-00-3	Chloroethane	U	2.11	ug/kg	0.317	2.11
67-66-3	Chloroform	U	2.11	ug/kg	0.317	2.11
74-87-3	Chloromethane	U	2.11	ug/kg	0.317	2.11
110-82-7	Cyclohexane	U	2.11	ug/kg	0.317	2.11
124-48-1	Dibromochloromethane	U	2.11	ug/kg	0.317	2.11
75-71-8	Dichlorodifluoromethane	U	2.11	ug/kg	0.317	2.11
100-41-4	Ethylbenzene	U	2.11	ug/kg	0.317	2.11
98-82-8	Isopropylbenzene	U	2.11	ug/kg	0.317	2.11
79-20-9	Methyl acetate	U	5.28	ug/kg	1.58	5.28
108-87-2	Methylcyclohexane	U	2.11	ug/kg	0.317	2.11
75-09-2	Methylene chloride	U	5.28	ug/kg	1.69	5.28

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454944
Lab Sample ID: 454944003

Client ID: S06RE
Batch ID: 1785349
Run Date: 07/27/2018 15:52
Prep Date: 07/27/2018 11:03
Data File: 072718V3\3R511.D

Date Collected: 07/18/2018 09:10
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.1
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	2.11	ug/kg	0.317	2.11
127-18-4	Tetrachloroethylene	U	2.11	ug/kg	0.317	2.11
108-88-3	Toluene	U	2.11	ug/kg	0.317	2.11
79-01-6	Trichloroethylene	U	2.11	ug/kg	0.317	2.11
75-69-4	Trichlorofluoromethane	U	2.11	ug/kg	0.317	2.11
76-13-1	Trichlorotrifluoroethane	U	5.28	ug/kg	1.69	5.28
75-01-4	Vinyl chloride	U	2.11	ug/kg	0.317	2.11
156-59-2	cis-1,2-Dichloroethylene	U	2.11	ug/kg	0.317	2.11
10061-01-5	cis-1,3-Dichloropropylene	U	2.11	ug/kg	0.317	2.11
179601-23-1	m,p-Xylenes	U	4.22	ug/kg	0.317	4.22
95-47-6	o-Xylene	U	2.11	ug/kg	0.317	2.11
1634-04-4	tert-Butyl methyl ether	U	2.11	ug/kg	0.317	2.11
156-60-5	trans-1,2-Dichloroethylene	U	2.11	ug/kg	0.317	2.11
10061-02-6	trans-1,3-Dichloropropylene	U	2.11	ug/kg	0.317	2.11

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067009

Client ID: S07RE
Batch ID: 1784645
Run Date: 08/01/2018 17:04
Prep Date: 08/01/2018 13:23
Data File: 080118V3\3S314.D

Date Collected: 07/19/2018 10:25
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.2 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.5
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	2.08	ug/kg	0.312	2.08
79-34-5	1,1,2,2-Tetrachloroethane	U	2.08	ug/kg	0.312	2.08
79-00-5	1,1,2-Trichloroethane	U	2.08	ug/kg	0.312	2.08
75-34-3	1,1-Dichloroethane	U	2.08	ug/kg	0.312	2.08
75-35-4	1,1-Dichloroethylene	U	2.08	ug/kg	0.312	2.08
87-61-6	1,2,3-Trichlorobenzene	U	2.08	ug/kg	0.312	2.08
120-82-1	1,2,4-Trichlorobenzene	U	2.08	ug/kg	0.312	2.08
96-12-8	1,2-Dibromo-3-chloropropane	U	2.08	ug/kg	0.520	2.08
106-93-4	1,2-Dibromoethane	U	2.08	ug/kg	0.312	2.08
95-50-1	1,2-Dichlorobenzene	U	2.08	ug/kg	0.312	2.08
107-06-2	1,2-Dichloroethane	U	2.08	ug/kg	0.312	2.08
78-87-5	1,2-Dichloropropane	U	2.08	ug/kg	0.312	2.08
541-73-1	1,3-Dichlorobenzene	U	2.08	ug/kg	0.312	2.08
106-46-7	1,4-Dichlorobenzene	U	2.08	ug/kg	0.312	2.08
123-91-1	1,4-Dioxane	U	52.0	ug/kg	15.6	52.0
78-93-3	2-Butanone	U	10.4	ug/kg	3.12	10.4
591-78-6	2-Hexanone	U	10.4	ug/kg	3.12	10.4
108-10-1	4-Methyl-2-pentanone	U	10.4	ug/kg	3.12	10.4
67-64-1	Acetone	J	8.46	ug/kg	3.12	10.4
71-43-2	Benzene	U	2.08	ug/kg	0.312	2.08
74-97-5	Bromochloromethane	U	2.08	ug/kg	0.312	2.08
75-27-4	Bromodichloromethane	U	2.08	ug/kg	0.312	2.08
75-25-2	Bromoform	U	2.08	ug/kg	0.312	2.08
74-83-9	Bromomethane	U	2.08	ug/kg	0.312	2.08
75-15-0	Carbon disulfide	U	10.4	ug/kg	1.66	10.4
56-23-5	Carbon tetrachloride	U	2.08	ug/kg	0.312	2.08
108-90-7	Chlorobenzene	U	2.08	ug/kg	0.312	2.08
75-00-3	Chloroethane	U	2.08	ug/kg	0.312	2.08
67-66-3	Chloroform	U	2.08	ug/kg	0.312	2.08
74-87-3	Chloromethane	U	2.08	ug/kg	0.312	2.08
110-82-7	Cyclohexane	U	2.08	ug/kg	0.312	2.08
124-48-1	Dibromochloromethane	U	2.08	ug/kg	0.312	2.08
75-71-8	Dichlorodifluoromethane	U	2.08	ug/kg	0.312	2.08
100-41-4	Ethylbenzene	U	2.08	ug/kg	0.312	2.08
98-82-8	Isopropylbenzene	U	2.08	ug/kg	0.312	2.08
79-20-9	Methyl acetate	U	5.20	ug/kg	1.56	5.20
108-87-2	Methylcyclohexane	U	2.08	ug/kg	0.312	2.08
75-09-2	Methylene chloride	U	5.20	ug/kg	1.66	5.20

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067009

Client ID: S07RE
Batch ID: 1784645
Run Date: 08/01/2018 17:04
Prep Date: 08/01/2018 13:23
Data File: 080118V3\3S314.D

Date Collected: 07/19/2018 10:25
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.2 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.5
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	2.08	ug/kg	0.312	2.08
127-18-4	Tetrachloroethylene	U	2.08	ug/kg	0.312	2.08
108-88-3	Toluene	U	2.08	ug/kg	0.312	2.08
79-01-6	Trichloroethylene	U	2.08	ug/kg	0.312	2.08
75-69-4	Trichlorofluoromethane	U	2.08	ug/kg	0.312	2.08
76-13-1	Trichlorotrifluoroethane	U	5.20	ug/kg	1.66	5.20
75-01-4	Vinyl chloride	U	2.08	ug/kg	0.312	2.08
156-59-2	cis-1,2-Dichloroethylene	U	2.08	ug/kg	0.312	2.08
10061-01-5	cis-1,3-Dichloropropylene	U	2.08	ug/kg	0.312	2.08
179601-23-1	m,p-Xylenes	U	4.16	ug/kg	0.312	4.16
95-47-6	o-Xylene	U	2.08	ug/kg	0.312	2.08
1634-04-4	tert-Butyl methyl ether	U	2.08	ug/kg	0.312	2.08
156-60-5	trans-1,2-Dichloroethylene	U	2.08	ug/kg	0.312	2.08
10061-02-6	trans-1,3-Dichloropropylene	U	2.08	ug/kg	0.312	2.08

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067009

Client ID: S07
Batch ID: 1784645
Run Date: 07/21/2018 18:41
Prep Date: 07/21/2018 12:17
Data File: 072118V3\3Q618.D

Date Collected: 07/19/2018 10:25
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.5
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	108	ug/kg	16.2	108
79-34-5	1,1,2,2-Tetrachloroethane	U	108	ug/kg	16.2	108
79-00-5	1,1,2-Trichloroethane	U	108	ug/kg	16.2	108
75-34-3	1,1-Dichloroethane	U	108	ug/kg	16.2	108
75-35-4	1,1-Dichloroethylene	U	108	ug/kg	16.2	108
87-61-6	1,2,3-Trichlorobenzene	U	108	ug/kg	16.2	108
120-82-1	1,2,4-Trichlorobenzene	U	108	ug/kg	16.2	108
96-12-8	1,2-Dibromo-3-chloropropane	U	108	ug/kg	27.0	108
106-93-4	1,2-Dibromoethane	U	108	ug/kg	16.2	108
95-50-1	1,2-Dichlorobenzene	U	108	ug/kg	16.2	108
107-06-2	1,2-Dichloroethane	U	108	ug/kg	16.2	108
78-87-5	1,2-Dichloropropane	U	108	ug/kg	16.2	108
541-73-1	1,3-Dichlorobenzene	U	108	ug/kg	16.2	108
106-46-7	1,4-Dichlorobenzene	U	108	ug/kg	16.2	108
123-91-1	1,4-Dioxane	U	2700	ug/kg	811	2700
78-93-3	2-Butanone	U	541	ug/kg	162	541
591-78-6	2-Hexanone	U	541	ug/kg	162	541
108-10-1	4-Methyl-2-pentanone	U	541	ug/kg	162	541
67-64-1	Acetone	U	541	ug/kg	162	541
71-43-2	Benzene	U	108	ug/kg	16.2	108
74-97-5	Bromochloromethane	U	108	ug/kg	16.2	108
75-27-4	Bromodichloromethane	U	108	ug/kg	16.2	108
75-25-2	Bromoform	U	108	ug/kg	16.2	108
74-83-9	Bromomethane	U	108	ug/kg	16.2	108
75-15-0	Carbon disulfide	U	541	ug/kg	86.5	541
56-23-5	Carbon tetrachloride	U	108	ug/kg	16.2	108
108-90-7	Chlorobenzene	U	108	ug/kg	16.2	108
75-00-3	Chloroethane	U	108	ug/kg	16.2	108
67-66-3	Chloroform	U	108	ug/kg	16.2	108
74-87-3	Chloromethane	U	108	ug/kg	16.2	108
110-82-7	Cyclohexane	U	108	ug/kg	16.2	108
124-48-1	Dibromochloromethane	U	108	ug/kg	16.2	108
75-71-8	Dichlorodifluoromethane	U	108	ug/kg	16.2	108
100-41-4	Ethylbenzene	U	108	ug/kg	16.2	108
98-82-8	Isopropylbenzene	U	108	ug/kg	16.2	108
79-20-9	Methyl acetate	U	270	ug/kg	81.1	270
108-87-2	Methylcyclohexane	U	108	ug/kg	16.2	108
75-09-2	Methylene chloride	U	270	ug/kg	86.5	270

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067009

Client ID: S07
Batch ID: 1784645
Run Date: 07/21/2018 18:41
Prep Date: 07/21/2018 12:17
Data File: 072118V3\3Q618.D

Date Collected: 07/19/2018 10:25
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.5
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	108	ug/kg	16.2	108
127-18-4	Tetrachloroethylene	U	108	ug/kg	16.2	108
108-88-3	Toluene	U	108	ug/kg	16.2	108
79-01-6	Trichloroethylene	U	108	ug/kg	16.2	108
75-69-4	Trichlorofluoromethane	U	108	ug/kg	16.2	108
76-13-1	Trichlorotrifluoroethane	U	270	ug/kg	86.5	270
75-01-4	Vinyl chloride	U	108	ug/kg	16.2	108
156-59-2	cis-1,2-Dichloroethylene	U	108	ug/kg	16.2	108
10061-01-5	cis-1,3-Dichloropropylene	U	108	ug/kg	16.2	108
179601-23-1	m,p-Xylenes	U	216	ug/kg	16.2	216
95-47-6	o-Xylene	U	108	ug/kg	16.2	108
1634-04-4	tert-Butyl methyl ether	U	108	ug/kg	16.2	108
156-60-5	trans-1,2-Dichloroethylene	U	108	ug/kg	16.2	108
10061-02-6	trans-1,3-Dichloropropylene	U	108	ug/kg	16.2	108

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455239
Lab Sample ID: 455239009

Client ID: S08
Batch ID: 1785349
Run Date: 07/25/2018 19:00
Prep Date: 07/24/2018 13:31
Data File: 072518V3\3R317.D

Date Collected: 07/20/2018 14:50
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.2 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.5
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	105	ug/kg	15.8	105
79-34-5	1,1,2,2-Tetrachloroethane	U	105	ug/kg	15.8	105
79-00-5	1,1,2-Trichloroethane	U	105	ug/kg	15.8	105
75-34-3	1,1-Dichloroethane	U	105	ug/kg	15.8	105
75-35-4	1,1-Dichloroethylene	U	105	ug/kg	15.8	105
87-61-6	1,2,3-Trichlorobenzene	U	105	ug/kg	15.8	105
120-82-1	1,2,4-Trichlorobenzene	U	105	ug/kg	15.8	105
96-12-8	1,2-Dibromo-3-chloropropane	U	105	ug/kg	26.3	105
106-93-4	1,2-Dibromoethane	U	105	ug/kg	15.8	105
95-50-1	1,2-Dichlorobenzene	U	105	ug/kg	15.8	105
107-06-2	1,2-Dichloroethane	U	105	ug/kg	15.8	105
78-87-5	1,2-Dichloropropane	U	105	ug/kg	15.8	105
541-73-1	1,3-Dichlorobenzene	U	105	ug/kg	15.8	105
106-46-7	1,4-Dichlorobenzene	U	105	ug/kg	15.8	105
123-91-1	1,4-Dioxane	U	2630	ug/kg	788	2630
78-93-3	2-Butanone	U	525	ug/kg	158	525
591-78-6	2-Hexanone	U	525	ug/kg	158	525
108-10-1	4-Methyl-2-pentanone	U	525	ug/kg	158	525
67-64-1	Acetone	U	525	ug/kg	158	525
71-43-2	Benzene	U	105	ug/kg	15.8	105
74-97-5	Bromochloromethane	U	105	ug/kg	15.8	105
75-27-4	Bromodichloromethane	U	105	ug/kg	15.8	105
75-25-2	Bromoform	U	105	ug/kg	15.8	105
74-83-9	Bromomethane	U	105	ug/kg	15.8	105
75-15-0	Carbon disulfide	U	525	ug/kg	84.1	525
56-23-5	Carbon tetrachloride	U	105	ug/kg	15.8	105
108-90-7	Chlorobenzene	U	105	ug/kg	15.8	105
75-00-3	Chloroethane	U	105	ug/kg	15.8	105
67-66-3	Chloroform	U	105	ug/kg	15.8	105
74-87-3	Chloromethane	U	105	ug/kg	15.8	105
110-82-7	Cyclohexane	U	105	ug/kg	15.8	105
124-48-1	Dibromochloromethane	U	105	ug/kg	15.8	105
75-71-8	Dichlorodifluoromethane	U	105	ug/kg	15.8	105
100-41-4	Ethylbenzene	U	105	ug/kg	15.8	105
98-82-8	Isopropylbenzene	U	105	ug/kg	15.8	105
79-20-9	Methyl acetate	U	263	ug/kg	78.8	263
108-87-2	Methylcyclohexane	U	105	ug/kg	15.8	105
75-09-2	Methylene chloride	U	263	ug/kg	84.1	263

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455239
Lab Sample ID: 455239009

Client ID: S08
Batch ID: 1785349
Run Date: 07/25/2018 19:00
Prep Date: 07/24/2018 13:31
Data File: 072518V3\3R317.D

Date Collected: 07/20/2018 14:50
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.2 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.5
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	105	ug/kg	15.8	105
127-18-4	Tetrachloroethylene	U	105	ug/kg	15.8	105
108-88-3	Toluene	U	105	ug/kg	15.8	105
79-01-6	Trichloroethylene	U	105	ug/kg	15.8	105
75-69-4	Trichlorofluoromethane	U	105	ug/kg	15.8	105
76-13-1	Trichlorotrifluoroethane	U	263	ug/kg	84.1	263
75-01-4	Vinyl chloride	U	105	ug/kg	15.8	105
156-59-2	cis-1,2-Dichloroethylene	U	105	ug/kg	15.8	105
10061-01-5	cis-1,3-Dichloropropylene	U	105	ug/kg	15.8	105
179601-23-1	m,p-Xylenes	U	210	ug/kg	15.8	210
95-47-6	o-Xylene	U	105	ug/kg	15.8	105
1634-04-4	tert-Butyl methyl ether	U	105	ug/kg	15.8	105
156-60-5	trans-1,2-Dichloroethylene	U	105	ug/kg	15.8	105
10061-02-6	trans-1,3-Dichloropropylene	U	105	ug/kg	15.8	105

Volatile
Certificate of Analysis
Sample Summary

Page 1 of 2

SDG Number: 455239
Lab Sample ID: 455239009

Client ID: S08RE
Batch ID: 1785349
Run Date: 07/28/2018 17:38
Prep Date: 07/28/2018 12:19
Data File: 072818V3\3R613.D

Date Collected: 07/20/2018 14:50
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.2 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.5
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	2.10	ug/kg	0.315	2.10
79-34-5	1,1,2,2-Tetrachloroethane	U	2.10	ug/kg	0.315	2.10
79-00-5	1,1,2-Trichloroethane	U	2.10	ug/kg	0.315	2.10
75-34-3	1,1-Dichloroethane	U	2.10	ug/kg	0.315	2.10
75-35-4	1,1-Dichloroethylene	U	2.10	ug/kg	0.315	2.10
87-61-6	1,2,3-Trichlorobenzene	U	2.10	ug/kg	0.315	2.10
120-82-1	1,2,4-Trichlorobenzene	U	2.10	ug/kg	0.315	2.10
96-12-8	1,2-Dibromo-3-chloropropane	U	2.10	ug/kg	0.525	2.10
106-93-4	1,2-Dibromoethane	U	2.10	ug/kg	0.315	2.10
95-50-1	1,2-Dichlorobenzene	U	2.10	ug/kg	0.315	2.10
107-06-2	1,2-Dichloroethane	U	2.10	ug/kg	0.315	2.10
78-87-5	1,2-Dichloropropane	U	2.10	ug/kg	0.315	2.10
541-73-1	1,3-Dichlorobenzene	U	2.10	ug/kg	0.315	2.10
106-46-7	1,4-Dichlorobenzene	U	2.10	ug/kg	0.315	2.10
123-91-1	1,4-Dioxane	U	52.5	ug/kg	15.8	52.5
78-93-3	2-Butanone	U	10.5	ug/kg	3.15	10.5
591-78-6	2-Hexanone	U	10.5	ug/kg	3.15	10.5
108-10-1	4-Methyl-2-pentanone	U	10.5	ug/kg	3.15	10.5
67-64-1	Acetone	J	9.77	ug/kg	3.15	10.5
71-43-2	Benzene	U	2.10	ug/kg	0.315	2.10
74-97-5	Bromochloromethane	U	2.10	ug/kg	0.315	2.10
75-27-4	Bromodichloromethane	U	2.10	ug/kg	0.315	2.10
75-25-2	Bromoform	U	2.10	ug/kg	0.315	2.10
74-83-9	Bromomethane	U	2.10	ug/kg	0.315	2.10
75-15-0	Carbon disulfide	U	10.5	ug/kg	1.68	10.5
56-23-5	Carbon tetrachloride	U	2.10	ug/kg	0.315	2.10
108-90-7	Chlorobenzene	U	2.10	ug/kg	0.315	2.10
75-00-3	Chloroethane	U	2.10	ug/kg	0.315	2.10
67-66-3	Chloroform	U	2.10	ug/kg	0.315	2.10
74-87-3	Chloromethane	U	2.10	ug/kg	0.315	2.10
110-82-7	Cyclohexane	U	2.10	ug/kg	0.315	2.10
124-48-1	Dibromochloromethane	U	2.10	ug/kg	0.315	2.10
75-71-8	Dichlorodifluoromethane	U	2.10	ug/kg	0.315	2.10
100-41-4	Ethylbenzene	U	2.10	ug/kg	0.315	2.10
98-82-8	Isopropylbenzene	U	2.10	ug/kg	0.315	2.10
79-20-9	Methyl acetate	U	5.25	ug/kg	1.58	5.25
108-87-2	Methylcyclohexane	U	2.10	ug/kg	0.315	2.10
75-09-2	Methylene chloride	U	5.25	ug/kg	1.68	5.25

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455239
Lab Sample ID: 455239009

Client ID: S08RE
Batch ID: 1785349
Run Date: 07/28/2018 17:38
Prep Date: 07/28/2018 12:19
Data File: 072818V3\3R613.D

Date Collected: 07/20/2018 14:50
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.2 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.5
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	2.10	ug/kg	0.315	2.10
127-18-4	Tetrachloroethylene	U	2.10	ug/kg	0.315	2.10
108-88-3	Toluene	U	2.10	ug/kg	0.315	2.10
79-01-6	Trichloroethylene	U	2.10	ug/kg	0.315	2.10
75-69-4	Trichlorofluoromethane	U	2.10	ug/kg	0.315	2.10
76-13-1	Trichlorotrifluoroethane	U	5.25	ug/kg	1.68	5.25
75-01-4	Vinyl chloride	U	2.10	ug/kg	0.315	2.10
156-59-2	cis-1,2-Dichloroethylene	U	2.10	ug/kg	0.315	2.10
10061-01-5	cis-1,3-Dichloropropylene	U	2.10	ug/kg	0.315	2.10
179601-23-1	m,p-Xylenes	U	4.20	ug/kg	0.315	4.20
95-47-6	o-Xylene	U	2.10	ug/kg	0.315	2.10
1634-04-4	tert-Butyl methyl ether	U	2.10	ug/kg	0.315	2.10
156-60-5	trans-1,2-Dichloroethylene	U	2.10	ug/kg	0.315	2.10
10061-02-6	trans-1,3-Dichloropropylene	U	2.10	ug/kg	0.315	2.10

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454944
Lab Sample ID: 454944002

Client ID: S09
Batch ID: 1785349
Run Date: 07/24/2018 15:23
Prep Date: 07/24/2018 13:14
Data File: 072418V3\3R212.D

Date Collected: 07/18/2018 08:45
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.2 g
Column: DB-624

Matrix: SOIL
%Moisture: 6.3
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	103	ug/kg	15.4	103
79-34-5	1,1,2,2-Tetrachloroethane	U	103	ug/kg	15.4	103
79-00-5	1,1,2-Trichloroethane	U	103	ug/kg	15.4	103
75-34-3	1,1-Dichloroethane	U	103	ug/kg	15.4	103
75-35-4	1,1-Dichloroethylene	U	103	ug/kg	15.4	103
87-61-6	1,2,3-Trichlorobenzene	U	103	ug/kg	15.4	103
120-82-1	1,2,4-Trichlorobenzene	U	103	ug/kg	15.4	103
96-12-8	1,2-Dibromo-3-chloropropane	U	103	ug/kg	25.7	103
106-93-4	1,2-Dibromoethane	U	103	ug/kg	15.4	103
95-50-1	1,2-Dichlorobenzene	U	103	ug/kg	15.4	103
107-06-2	1,2-Dichloroethane	U	103	ug/kg	15.4	103
78-87-5	1,2-Dichloropropane	U	103	ug/kg	15.4	103
541-73-1	1,3-Dichlorobenzene	U	103	ug/kg	15.4	103
106-46-7	1,4-Dichlorobenzene	U	103	ug/kg	15.4	103
123-91-1	1,4-Dioxane	U	2570	ug/kg	770	2570
78-93-3	2-Butanone	U	513	ug/kg	154	513
591-78-6	2-Hexanone	U	513	ug/kg	154	513
108-10-1	4-Methyl-2-pentanone	U	513	ug/kg	154	513
67-64-1	Acetone	U	513	ug/kg	154	513
71-43-2	Benzene	U	103	ug/kg	15.4	103
74-97-5	Bromochloromethane	U	103	ug/kg	15.4	103
75-27-4	Bromodichloromethane	U	103	ug/kg	15.4	103
75-25-2	Bromoform	U	103	ug/kg	15.4	103
74-83-9	Bromomethane	U	103	ug/kg	15.4	103
75-15-0	Carbon disulfide	U	513	ug/kg	82.1	513
56-23-5	Carbon tetrachloride	U	103	ug/kg	15.4	103
108-90-7	Chlorobenzene	U	103	ug/kg	15.4	103
75-00-3	Chloroethane	U	103	ug/kg	15.4	103
67-66-3	Chloroform	U	103	ug/kg	15.4	103
74-87-3	Chloromethane	U	103	ug/kg	15.4	103
110-82-7	Cyclohexane	U	103	ug/kg	15.4	103
124-48-1	Dibromochloromethane	U	103	ug/kg	15.4	103
75-71-8	Dichlorodifluoromethane	U	103	ug/kg	15.4	103
100-41-4	Ethylbenzene	U	103	ug/kg	15.4	103
98-82-8	Isopropylbenzene	U	103	ug/kg	15.4	103
79-20-9	Methyl acetate	U	257	ug/kg	77.0	257
108-87-2	Methylcyclohexane	U	103	ug/kg	15.4	103
75-09-2	Methylene chloride	U	257	ug/kg	82.1	257

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454944
Lab Sample ID: 454944002

Client ID: S09
Batch ID: 1785349
Run Date: 07/24/2018 15:23
Prep Date: 07/24/2018 13:14
Data File: 072418V3\3R212.D

Date Collected: 07/18/2018 08:45
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.2 g
Column: DB-624

Matrix: SOIL
%Moisture: 6.3
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	103	ug/kg	15.4	103
127-18-4	Tetrachloroethylene	U	103	ug/kg	15.4	103
108-88-3	Toluene	U	103	ug/kg	15.4	103
79-01-6	Trichloroethylene	U	103	ug/kg	15.4	103
75-69-4	Trichlorofluoromethane	U	103	ug/kg	15.4	103
76-13-1	Trichlorotrifluoroethane	U	257	ug/kg	82.1	257
75-01-4	Vinyl chloride	U	103	ug/kg	15.4	103
156-59-2	cis-1,2-Dichloroethylene	U	103	ug/kg	15.4	103
10061-01-5	cis-1,3-Dichloropropylene	U	103	ug/kg	15.4	103
179601-23-1	m,p-Xylenes	U	205	ug/kg	15.4	205
95-47-6	o-Xylene	U	103	ug/kg	15.4	103
1634-04-4	tert-Butyl methyl ether	U	103	ug/kg	15.4	103
156-60-5	trans-1,2-Dichloroethylene	U	103	ug/kg	15.4	103
10061-02-6	trans-1,3-Dichloropropylene	U	103	ug/kg	15.4	103

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454944
Lab Sample ID: 454944002

Client ID: S09RE
Batch ID: 1785349
Run Date: 07/27/2018 15:20
Prep Date: 07/27/2018 11:02
Data File: 072718V3\3R510.D

Date Collected: 07/18/2018 08:45
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 6.3
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	2.09	ug/kg	0.314	2.09
79-34-5	1,1,2,2-Tetrachloroethane	U	2.09	ug/kg	0.314	2.09
79-00-5	1,1,2-Trichloroethane	U	2.09	ug/kg	0.314	2.09
75-34-3	1,1-Dichloroethane	U	2.09	ug/kg	0.314	2.09
75-35-4	1,1-Dichloroethylene	U	2.09	ug/kg	0.314	2.09
87-61-6	1,2,3-Trichlorobenzene	U	2.09	ug/kg	0.314	2.09
120-82-1	1,2,4-Trichlorobenzene	J	0.408	ug/kg	0.314	2.09
96-12-8	1,2-Dibromo-3-chloropropane	U	2.09	ug/kg	0.523	2.09
106-93-4	1,2-Dibromoethane	U	2.09	ug/kg	0.314	2.09
95-50-1	1,2-Dichlorobenzene	U	2.09	ug/kg	0.314	2.09
107-06-2	1,2-Dichloroethane	U	2.09	ug/kg	0.314	2.09
78-87-5	1,2-Dichloropropane	U	2.09	ug/kg	0.314	2.09
541-73-1	1,3-Dichlorobenzene	U	2.09	ug/kg	0.314	2.09
106-46-7	1,4-Dichlorobenzene	U	2.09	ug/kg	0.314	2.09
123-91-1	1,4-Dioxane	U	52.3	ug/kg	15.7	52.3
78-93-3	2-Butanone	U	10.5	ug/kg	3.14	10.5
591-78-6	2-Hexanone	U	10.5	ug/kg	3.14	10.5
108-10-1	4-Methyl-2-pentanone	U	10.5	ug/kg	3.14	10.5
67-64-1	Acetone	J	5.04	ug/kg	3.14	10.5
71-43-2	Benzene	U	2.09	ug/kg	0.314	2.09
74-97-5	Bromochloromethane	U	2.09	ug/kg	0.314	2.09
75-27-4	Bromodichloromethane	U	2.09	ug/kg	0.314	2.09
75-25-2	Bromoform	U	2.09	ug/kg	0.314	2.09
74-83-9	Bromomethane	U	2.09	ug/kg	0.314	2.09
75-15-0	Carbon disulfide	U	10.5	ug/kg	1.67	10.5
56-23-5	Carbon tetrachloride	U	2.09	ug/kg	0.314	2.09
108-90-7	Chlorobenzene	U	2.09	ug/kg	0.314	2.09
75-00-3	Chloroethane	U	2.09	ug/kg	0.314	2.09
67-66-3	Chloroform	U	2.09	ug/kg	0.314	2.09
74-87-3	Chloromethane	U	2.09	ug/kg	0.314	2.09
110-82-7	Cyclohexane	U	2.09	ug/kg	0.314	2.09
124-48-1	Dibromochloromethane	U	2.09	ug/kg	0.314	2.09
75-71-8	Dichlorodifluoromethane	U	2.09	ug/kg	0.314	2.09
100-41-4	Ethylbenzene	U	2.09	ug/kg	0.314	2.09
98-82-8	Isopropylbenzene	U	2.09	ug/kg	0.314	2.09
79-20-9	Methyl acetate	U	5.23	ug/kg	1.57	5.23
108-87-2	Methylcyclohexane	U	2.09	ug/kg	0.314	2.09
75-09-2	Methylene chloride	U	5.23	ug/kg	1.67	5.23

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454944
Lab Sample ID: 454944002

Client ID: S09RE
Batch ID: 1785349
Run Date: 07/27/2018 15:20
Prep Date: 07/27/2018 11:02
Data File: 072718V3\3R510.D

Date Collected: 07/18/2018 08:45
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 6.3
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	2.09	ug/kg	0.314	2.09
127-18-4	Tetrachloroethylene	U	2.09	ug/kg	0.314	2.09
108-88-3	Toluene	U	2.09	ug/kg	0.314	2.09
79-01-6	Trichloroethylene	U	2.09	ug/kg	0.314	2.09
75-69-4	Trichlorofluoromethane	U	2.09	ug/kg	0.314	2.09
76-13-1	Trichlorotrifluoroethane	U	5.23	ug/kg	1.67	5.23
75-01-4	Vinyl chloride	U	2.09	ug/kg	0.314	2.09
156-59-2	cis-1,2-Dichloroethylene	U	2.09	ug/kg	0.314	2.09
10061-01-5	cis-1,3-Dichloropropylene	U	2.09	ug/kg	0.314	2.09
179601-23-1	m,p-Xylenes	U	4.19	ug/kg	0.314	4.19
95-47-6	o-Xylene	U	2.09	ug/kg	0.314	2.09
1634-04-4	tert-Butyl methyl ether	U	2.09	ug/kg	0.314	2.09
156-60-5	trans-1,2-Dichloroethylene	U	2.09	ug/kg	0.314	2.09
10061-02-6	trans-1,3-Dichloropropylene	U	2.09	ug/kg	0.314	2.09

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454944
Lab Sample ID: 454944010

Client ID: S10
Batch ID: 1785349
Run Date: 07/24/2018 19:32
Prep Date: 07/24/2018 13:22
Data File: 072418V3\3R220.D

Date Collected: 07/18/2018 14:20
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.2 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.1
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	104	ug/kg	15.5	104
79-34-5	1,1,2,2-Tetrachloroethane	U	104	ug/kg	15.5	104
79-00-5	1,1,2-Trichloroethane	U	104	ug/kg	15.5	104
75-34-3	1,1-Dichloroethane	U	104	ug/kg	15.5	104
75-35-4	1,1-Dichloroethylene	U	104	ug/kg	15.5	104
87-61-6	1,2,3-Trichlorobenzene	U	104	ug/kg	15.5	104
120-82-1	1,2,4-Trichlorobenzene	U	104	ug/kg	15.5	104
96-12-8	1,2-Dibromo-3-chloropropane	U	104	ug/kg	25.9	104
106-93-4	1,2-Dibromoethane	U	104	ug/kg	15.5	104
95-50-1	1,2-Dichlorobenzene	U	104	ug/kg	15.5	104
107-06-2	1,2-Dichloroethane	U	104	ug/kg	15.5	104
78-87-5	1,2-Dichloropropane	U	104	ug/kg	15.5	104
541-73-1	1,3-Dichlorobenzene	U	104	ug/kg	15.5	104
106-46-7	1,4-Dichlorobenzene	U	104	ug/kg	15.5	104
123-91-1	1,4-Dioxane	U	2590	ug/kg	776	2590
78-93-3	2-Butanone	U	518	ug/kg	155	518
591-78-6	2-Hexanone	U	518	ug/kg	155	518
108-10-1	4-Methyl-2-pentanone	U	518	ug/kg	155	518
67-64-1	Acetone	U	518	ug/kg	155	518
71-43-2	Benzene	U	104	ug/kg	15.5	104
74-97-5	Bromochloromethane	U	104	ug/kg	15.5	104
75-27-4	Bromodichloromethane	U	104	ug/kg	15.5	104
75-25-2	Bromoform	U	104	ug/kg	15.5	104
74-83-9	Bromomethane	U	104	ug/kg	15.5	104
75-15-0	Carbon disulfide	U	518	ug/kg	82.8	518
56-23-5	Carbon tetrachloride	U	104	ug/kg	15.5	104
108-90-7	Chlorobenzene	U	104	ug/kg	15.5	104
75-00-3	Chloroethane	U	104	ug/kg	15.5	104
67-66-3	Chloroform	U	104	ug/kg	15.5	104
74-87-3	Chloromethane	U	104	ug/kg	15.5	104
110-82-7	Cyclohexane	U	104	ug/kg	15.5	104
124-48-1	Dibromochloromethane	U	104	ug/kg	15.5	104
75-71-8	Dichlorodifluoromethane	U	104	ug/kg	15.5	104
100-41-4	Ethylbenzene	U	104	ug/kg	15.5	104
98-82-8	Isopropylbenzene	U	104	ug/kg	15.5	104
79-20-9	Methyl acetate	U	259	ug/kg	77.6	259
108-87-2	Methylcyclohexane	U	104	ug/kg	15.5	104
75-09-2	Methylene chloride	U	259	ug/kg	82.8	259

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454944
Lab Sample ID: 454944010

Client ID: S10
Batch ID: 1785349
Run Date: 07/24/2018 19:32
Prep Date: 07/24/2018 13:22
Data File: 072418V3\3R220.D

Date Collected: 07/18/2018 14:20
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.2 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.1
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	104	ug/kg	15.5	104
127-18-4	Tetrachloroethylene	U	104	ug/kg	15.5	104
108-88-3	Toluene	U	104	ug/kg	15.5	104
79-01-6	Trichloroethylene	U	104	ug/kg	15.5	104
75-69-4	Trichlorofluoromethane	U	104	ug/kg	15.5	104
76-13-1	Trichlorotrifluoroethane	U	259	ug/kg	82.8	259
75-01-4	Vinyl chloride	U	104	ug/kg	15.5	104
156-59-2	cis-1,2-Dichloroethylene	U	104	ug/kg	15.5	104
10061-01-5	cis-1,3-Dichloropropylene	U	104	ug/kg	15.5	104
179601-23-1	m,p-Xylenes	U	207	ug/kg	15.5	207
95-47-6	o-Xylene	U	104	ug/kg	15.5	104
1634-04-4	tert-Butyl methyl ether	U	104	ug/kg	15.5	104
156-60-5	trans-1,2-Dichloroethylene	U	104	ug/kg	15.5	104
10061-02-6	trans-1,3-Dichloropropylene	U	104	ug/kg	15.5	104

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454944
Lab Sample ID: 454944010

Client ID: S10RE
Batch ID: 1785349
Run Date: 07/27/2018 19:30
Prep Date: 07/27/2018 11:10
Data File: 072718V3\3R518.D

Date Collected: 07/18/2018 14:20
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.1
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	2.15	ug/kg	0.323	2.15
79-34-5	1,1,2,2-Tetrachloroethane	U	2.15	ug/kg	0.323	2.15
79-00-5	1,1,2-Trichloroethane	U	2.15	ug/kg	0.323	2.15
75-34-3	1,1-Dichloroethane	U	2.15	ug/kg	0.323	2.15
75-35-4	1,1-Dichloroethylene	U	2.15	ug/kg	0.323	2.15
87-61-6	1,2,3-Trichlorobenzene	U	2.15	ug/kg	0.323	2.15
120-82-1	1,2,4-Trichlorobenzene	U	2.15	ug/kg	0.323	2.15
96-12-8	1,2-Dibromo-3-chloropropane	U	2.15	ug/kg	0.538	2.15
106-93-4	1,2-Dibromoethane	U	2.15	ug/kg	0.323	2.15
95-50-1	1,2-Dichlorobenzene	U	2.15	ug/kg	0.323	2.15
107-06-2	1,2-Dichloroethane	U	2.15	ug/kg	0.323	2.15
78-87-5	1,2-Dichloropropane	U	2.15	ug/kg	0.323	2.15
541-73-1	1,3-Dichlorobenzene	U	2.15	ug/kg	0.323	2.15
106-46-7	1,4-Dichlorobenzene	U	2.15	ug/kg	0.323	2.15
123-91-1	1,4-Dioxane	U	53.8	ug/kg	16.1	53.8
78-93-3	2-Butanone	U	10.8	ug/kg	3.23	10.8
591-78-6	2-Hexanone	U	10.8	ug/kg	3.23	10.8
108-10-1	4-Methyl-2-pentanone	U	10.8	ug/kg	3.23	10.8
67-64-1	Acetone		11.8	ug/kg	3.23	10.8
71-43-2	Benzene	U	2.15	ug/kg	0.323	2.15
74-97-5	Bromochloromethane	U	2.15	ug/kg	0.323	2.15
75-27-4	Bromodichloromethane	U	2.15	ug/kg	0.323	2.15
75-25-2	Bromoform	U	2.15	ug/kg	0.323	2.15
74-83-9	Bromomethane	U	2.15	ug/kg	0.323	2.15
75-15-0	Carbon disulfide	J	2.07	ug/kg	1.72	10.8
56-23-5	Carbon tetrachloride	U	2.15	ug/kg	0.323	2.15
108-90-7	Chlorobenzene	U	2.15	ug/kg	0.323	2.15
75-00-3	Chloroethane	U	2.15	ug/kg	0.323	2.15
67-66-3	Chloroform	U	2.15	ug/kg	0.323	2.15
74-87-3	Chloromethane	U	2.15	ug/kg	0.323	2.15
110-82-7	Cyclohexane	U	2.15	ug/kg	0.323	2.15
124-48-1	Dibromochloromethane	U	2.15	ug/kg	0.323	2.15
75-71-8	Dichlorodifluoromethane	U	2.15	ug/kg	0.323	2.15
100-41-4	Ethylbenzene	U	2.15	ug/kg	0.323	2.15
98-82-8	Isopropylbenzene	U	2.15	ug/kg	0.323	2.15
79-20-9	Methyl acetate	U	5.38	ug/kg	1.61	5.38
108-87-2	Methylcyclohexane	U	2.15	ug/kg	0.323	2.15
75-09-2	Methylene chloride	U	5.38	ug/kg	1.72	5.38

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454944
Lab Sample ID: 454944010

Client ID: S10RE
Batch ID: 1785349
Run Date: 07/27/2018 19:30
Prep Date: 07/27/2018 11:10
Data File: 072718V3\3R518.D

Date Collected: 07/18/2018 14:20
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.1
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	2.15	ug/kg	0.323	2.15
127-18-4	Tetrachloroethylene	U	2.15	ug/kg	0.323	2.15
108-88-3	Toluene	U	2.15	ug/kg	0.323	2.15
79-01-6	Trichloroethylene	U	2.15	ug/kg	0.323	2.15
75-69-4	Trichlorofluoromethane	U	2.15	ug/kg	0.323	2.15
76-13-1	Trichlorotrifluoroethane	U	5.38	ug/kg	1.72	5.38
75-01-4	Vinyl chloride	U	2.15	ug/kg	0.323	2.15
156-59-2	cis-1,2-Dichloroethylene	U	2.15	ug/kg	0.323	2.15
10061-01-5	cis-1,3-Dichloropropylene	U	2.15	ug/kg	0.323	2.15
179601-23-1	m,p-Xylenes	U	4.31	ug/kg	0.323	4.31
95-47-6	o-Xylene	U	2.15	ug/kg	0.323	2.15
1634-04-4	tert-Butyl methyl ether	U	2.15	ug/kg	0.323	2.15
156-60-5	trans-1,2-Dichloroethylene	U	2.15	ug/kg	0.323	2.15
10061-02-6	trans-1,3-Dichloropropylene	U	2.15	ug/kg	0.323	2.15

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067008

Client ID: S11RE
Batch ID: 1784645
Run Date: 08/01/2018 16:33
Prep Date: 08/01/2018 13:22
Data File: 080118V3\3S313.D

Date Collected: 07/19/2018 10:05
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.3 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.5
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	2.04	ug/kg	0.306	2.04
79-34-5	1,1,2,2-Tetrachloroethane	U	2.04	ug/kg	0.306	2.04
79-00-5	1,1,2-Trichloroethane	U	2.04	ug/kg	0.306	2.04
75-34-3	1,1-Dichloroethane	U	2.04	ug/kg	0.306	2.04
75-35-4	1,1-Dichloroethylene	U	2.04	ug/kg	0.306	2.04
87-61-6	1,2,3-Trichlorobenzene	U	2.04	ug/kg	0.306	2.04
120-82-1	1,2,4-Trichlorobenzene	U	2.04	ug/kg	0.306	2.04
96-12-8	1,2-Dibromo-3-chloropropane	U	2.04	ug/kg	0.510	2.04
106-93-4	1,2-Dibromoethane	U	2.04	ug/kg	0.306	2.04
95-50-1	1,2-Dichlorobenzene	U	2.04	ug/kg	0.306	2.04
107-06-2	1,2-Dichloroethane	U	2.04	ug/kg	0.306	2.04
78-87-5	1,2-Dichloropropane	U	2.04	ug/kg	0.306	2.04
541-73-1	1,3-Dichlorobenzene	U	2.04	ug/kg	0.306	2.04
106-46-7	1,4-Dichlorobenzene	U	2.04	ug/kg	0.306	2.04
123-91-1	1,4-Dioxane	U	51.0	ug/kg	15.3	51.0
78-93-3	2-Butanone	U	10.2	ug/kg	3.06	10.2
591-78-6	2-Hexanone	U	10.2	ug/kg	3.06	10.2
108-10-1	4-Methyl-2-pentanone	U	10.2	ug/kg	3.06	10.2
67-64-1	Acetone	J	10.2	ug/kg	3.06	10.2
71-43-2	Benzene	U	2.04	ug/kg	0.306	2.04
74-97-5	Bromochloromethane	U	2.04	ug/kg	0.306	2.04
75-27-4	Bromodichloromethane	U	2.04	ug/kg	0.306	2.04
75-25-2	Bromoform	U	2.04	ug/kg	0.306	2.04
74-83-9	Bromomethane	U	2.04	ug/kg	0.306	2.04
75-15-0	Carbon disulfide	U	10.2	ug/kg	1.63	10.2
56-23-5	Carbon tetrachloride	U	2.04	ug/kg	0.306	2.04
108-90-7	Chlorobenzene	U	2.04	ug/kg	0.306	2.04
75-00-3	Chloroethane	U	2.04	ug/kg	0.306	2.04
67-66-3	Chloroform	U	2.04	ug/kg	0.306	2.04
74-87-3	Chloromethane	U	2.04	ug/kg	0.306	2.04
110-82-7	Cyclohexane	U	2.04	ug/kg	0.306	2.04
124-48-1	Dibromochloromethane	U	2.04	ug/kg	0.306	2.04
75-71-8	Dichlorodifluoromethane	U	2.04	ug/kg	0.306	2.04
100-41-4	Ethylbenzene	U	2.04	ug/kg	0.306	2.04
98-82-8	Isopropylbenzene	U	2.04	ug/kg	0.306	2.04
79-20-9	Methyl acetate	U	5.10	ug/kg	1.53	5.10
108-87-2	Methylcyclohexane	U	2.04	ug/kg	0.306	2.04
75-09-2	Methylene chloride	U	5.10	ug/kg	1.63	5.10

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067008

Client ID: S11RE
Batch ID: 1784645
Run Date: 08/01/2018 16:33
Prep Date: 08/01/2018 13:22
Data File: 080118V3\3S313.D

Date Collected: 07/19/2018 10:05
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.3 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.5
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	2.04	ug/kg	0.306	2.04
127-18-4	Tetrachloroethylene	U	2.04	ug/kg	0.306	2.04
108-88-3	Toluene	U	2.04	ug/kg	0.306	2.04
79-01-6	Trichloroethylene	U	2.04	ug/kg	0.306	2.04
75-69-4	Trichlorofluoromethane	U	2.04	ug/kg	0.306	2.04
76-13-1	Trichlorotrifluoroethane	U	5.10	ug/kg	1.63	5.10
75-01-4	Vinyl chloride	U	2.04	ug/kg	0.306	2.04
156-59-2	cis-1,2-Dichloroethylene	U	2.04	ug/kg	0.306	2.04
10061-01-5	cis-1,3-Dichloropropylene	U	2.04	ug/kg	0.306	2.04
179601-23-1	m,p-Xylenes	U	4.08	ug/kg	0.306	4.08
95-47-6	o-Xylene	U	2.04	ug/kg	0.306	2.04
1634-04-4	tert-Butyl methyl ether	U	2.04	ug/kg	0.306	2.04
156-60-5	trans-1,2-Dichloroethylene	U	2.04	ug/kg	0.306	2.04
10061-02-6	trans-1,3-Dichloropropylene	U	2.04	ug/kg	0.306	2.04

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067008

Client ID: S11
Batch ID: 1784645
Run Date: 07/21/2018 18:10
Prep Date: 07/21/2018 12:16
Data File: 072118V3\3Q617.D

Date Collected: 07/19/2018 10:05
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.3 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.5
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	102	ug/kg	15.3	102
79-34-5	1,1,2,2-Tetrachloroethane	U	102	ug/kg	15.3	102
79-00-5	1,1,2-Trichloroethane	U	102	ug/kg	15.3	102
75-34-3	1,1-Dichloroethane	U	102	ug/kg	15.3	102
75-35-4	1,1-Dichloroethylene	U	102	ug/kg	15.3	102
87-61-6	1,2,3-Trichlorobenzene	U	102	ug/kg	15.3	102
120-82-1	1,2,4-Trichlorobenzene	U	102	ug/kg	15.3	102
96-12-8	1,2-Dibromo-3-chloropropane	U	102	ug/kg	25.5	102
106-93-4	1,2-Dibromoethane	U	102	ug/kg	15.3	102
95-50-1	1,2-Dichlorobenzene	U	102	ug/kg	15.3	102
107-06-2	1,2-Dichloroethane	U	102	ug/kg	15.3	102
78-87-5	1,2-Dichloropropane	U	102	ug/kg	15.3	102
541-73-1	1,3-Dichlorobenzene	U	102	ug/kg	15.3	102
106-46-7	1,4-Dichlorobenzene	U	102	ug/kg	15.3	102
123-91-1	1,4-Dioxane	U	2550	ug/kg	765	2550
78-93-3	2-Butanone	U	510	ug/kg	153	510
591-78-6	2-Hexanone	U	510	ug/kg	153	510
108-10-1	4-Methyl-2-pentanone	U	510	ug/kg	153	510
67-64-1	Acetone	U	510	ug/kg	153	510
71-43-2	Benzene	U	102	ug/kg	15.3	102
74-97-5	Bromochloromethane	U	102	ug/kg	15.3	102
75-27-4	Bromodichloromethane	U	102	ug/kg	15.3	102
75-25-2	Bromoform	U	102	ug/kg	15.3	102
74-83-9	Bromomethane	U	102	ug/kg	15.3	102
75-15-0	Carbon disulfide	U	510	ug/kg	81.6	510
56-23-5	Carbon tetrachloride	U	102	ug/kg	15.3	102
108-90-7	Chlorobenzene	U	102	ug/kg	15.3	102
75-00-3	Chloroethane	U	102	ug/kg	15.3	102
67-66-3	Chloroform	U	102	ug/kg	15.3	102
74-87-3	Chloromethane	U	102	ug/kg	15.3	102
110-82-7	Cyclohexane	U	102	ug/kg	15.3	102
124-48-1	Dibromochloromethane	U	102	ug/kg	15.3	102
75-71-8	Dichlorodifluoromethane	U	102	ug/kg	15.3	102
100-41-4	Ethylbenzene	U	102	ug/kg	15.3	102
98-82-8	Isopropylbenzene	U	102	ug/kg	15.3	102
79-20-9	Methyl acetate	U	255	ug/kg	76.5	255
108-87-2	Methylcyclohexane	U	102	ug/kg	15.3	102
75-09-2	Methylene chloride	U	255	ug/kg	81.6	255

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067008

Client ID: S11
Batch ID: 1784645
Run Date: 07/21/2018 18:10
Prep Date: 07/21/2018 12:16
Data File: 072118V3\3Q617.D

Date Collected: 07/19/2018 10:05
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.3 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.5
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	102	ug/kg	15.3	102
127-18-4	Tetrachloroethylene	U	102	ug/kg	15.3	102
108-88-3	Toluene	U	102	ug/kg	15.3	102
79-01-6	Trichloroethylene	U	102	ug/kg	15.3	102
75-69-4	Trichlorofluoromethane	U	102	ug/kg	15.3	102
76-13-1	Trichlorotrifluoroethane	U	255	ug/kg	81.6	255
75-01-4	Vinyl chloride	U	102	ug/kg	15.3	102
156-59-2	cis-1,2-Dichloroethylene	U	102	ug/kg	15.3	102
10061-01-5	cis-1,3-Dichloropropylene	U	102	ug/kg	15.3	102
179601-23-1	m,p-Xylenes	U	204	ug/kg	15.3	204
95-47-6	o-Xylene	U	102	ug/kg	15.3	102
1634-04-4	tert-Butyl methyl ether	U	102	ug/kg	15.3	102
156-60-5	trans-1,2-Dichloroethylene	U	102	ug/kg	15.3	102
10061-02-6	trans-1,3-Dichloropropylene	U	102	ug/kg	15.3	102

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455239
Lab Sample ID: 455239007

Client ID: S12
Batch ID: 1785349
Run Date: 07/25/2018 17:58
Prep Date: 07/24/2018 13:29
Data File: 072518V3\3R315.D

Date Collected: 07/20/2018 14:35
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 6.4
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	105	ug/kg	15.7	105
79-34-5	1,1,2,2-Tetrachloroethane	U	105	ug/kg	15.7	105
79-00-5	1,1,2-Trichloroethane	U	105	ug/kg	15.7	105
75-34-3	1,1-Dichloroethane	U	105	ug/kg	15.7	105
75-35-4	1,1-Dichloroethylene	U	105	ug/kg	15.7	105
87-61-6	1,2,3-Trichlorobenzene	U	105	ug/kg	15.7	105
120-82-1	1,2,4-Trichlorobenzene	U	105	ug/kg	15.7	105
96-12-8	1,2-Dibromo-3-chloropropane	U	105	ug/kg	26.2	105
106-93-4	1,2-Dibromoethane	U	105	ug/kg	15.7	105
95-50-1	1,2-Dichlorobenzene	U	105	ug/kg	15.7	105
107-06-2	1,2-Dichloroethane	U	105	ug/kg	15.7	105
78-87-5	1,2-Dichloropropane	U	105	ug/kg	15.7	105
541-73-1	1,3-Dichlorobenzene	U	105	ug/kg	15.7	105
106-46-7	1,4-Dichlorobenzene	U	105	ug/kg	15.7	105
123-91-1	1,4-Dioxane	U	2620	ug/kg	786	2620
78-93-3	2-Butanone	U	524	ug/kg	157	524
591-78-6	2-Hexanone	U	524	ug/kg	157	524
108-10-1	4-Methyl-2-pentanone	U	524	ug/kg	157	524
67-64-1	Acetone	U	524	ug/kg	157	524
71-43-2	Benzene	U	105	ug/kg	15.7	105
74-97-5	Bromochloromethane	U	105	ug/kg	15.7	105
75-27-4	Bromodichloromethane	U	105	ug/kg	15.7	105
75-25-2	Bromoform	U	105	ug/kg	15.7	105
74-83-9	Bromomethane	U	105	ug/kg	15.7	105
75-15-0	Carbon disulfide	U	524	ug/kg	83.8	524
56-23-5	Carbon tetrachloride	U	105	ug/kg	15.7	105
108-90-7	Chlorobenzene	U	105	ug/kg	15.7	105
75-00-3	Chloroethane	U	105	ug/kg	15.7	105
67-66-3	Chloroform	U	105	ug/kg	15.7	105
74-87-3	Chloromethane	U	105	ug/kg	15.7	105
110-82-7	Cyclohexane	U	105	ug/kg	15.7	105
124-48-1	Dibromochloromethane	U	105	ug/kg	15.7	105
75-71-8	Dichlorodifluoromethane	U	105	ug/kg	15.7	105
100-41-4	Ethylbenzene	U	105	ug/kg	15.7	105
98-82-8	Isopropylbenzene	U	105	ug/kg	15.7	105
79-20-9	Methyl acetate	U	262	ug/kg	78.6	262
108-87-2	Methylcyclohexane	U	105	ug/kg	15.7	105
75-09-2	Methylene chloride	U	262	ug/kg	83.8	262

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455239
Lab Sample ID: 455239007

Client ID: S12
Batch ID: 1785349
Run Date: 07/25/2018 17:58
Prep Date: 07/24/2018 13:29
Data File: 072518V3\3R315.D

Date Collected: 07/20/2018 14:35
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 6.4
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	105	ug/kg	15.7	105
127-18-4	Tetrachloroethylene	U	105	ug/kg	15.7	105
108-88-3	Toluene	U	105	ug/kg	15.7	105
79-01-6	Trichloroethylene	U	105	ug/kg	15.7	105
75-69-4	Trichlorofluoromethane	U	105	ug/kg	15.7	105
76-13-1	Trichlorotrifluoroethane	U	262	ug/kg	83.8	262
75-01-4	Vinyl chloride	U	105	ug/kg	15.7	105
156-59-2	cis-1,2-Dichloroethylene	U	105	ug/kg	15.7	105
10061-01-5	cis-1,3-Dichloropropylene	U	105	ug/kg	15.7	105
179601-23-1	m,p-Xylenes	U	209	ug/kg	15.7	209
95-47-6	o-Xylene	U	105	ug/kg	15.7	105
1634-04-4	tert-Butyl methyl ether	U	105	ug/kg	15.7	105
156-60-5	trans-1,2-Dichloroethylene	U	105	ug/kg	15.7	105
10061-02-6	trans-1,3-Dichloropropylene	U	105	ug/kg	15.7	105

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455239
Lab Sample ID: 455239007

Client ID: S12RE
Batch ID: 1785349
Run Date: 07/28/2018 16:36
Prep Date: 07/28/2018 12:17
Data File: 072818V3\3R611.D

Date Collected: 07/20/2018 14:35
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 6.4
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	2.09	ug/kg	0.314	2.09
79-34-5	1,1,2,2-Tetrachloroethane	U	2.09	ug/kg	0.314	2.09
79-00-5	1,1,2-Trichloroethane	U	2.09	ug/kg	0.314	2.09
75-34-3	1,1-Dichloroethane	U	2.09	ug/kg	0.314	2.09
75-35-4	1,1-Dichloroethylene	U	2.09	ug/kg	0.314	2.09
87-61-6	1,2,3-Trichlorobenzene	U	2.09	ug/kg	0.314	2.09
120-82-1	1,2,4-Trichlorobenzene	U	2.09	ug/kg	0.314	2.09
96-12-8	1,2-Dibromo-3-chloropropane	U	2.09	ug/kg	0.524	2.09
106-93-4	1,2-Dibromoethane	U	2.09	ug/kg	0.314	2.09
95-50-1	1,2-Dichlorobenzene	U	2.09	ug/kg	0.314	2.09
107-06-2	1,2-Dichloroethane	U	2.09	ug/kg	0.314	2.09
78-87-5	1,2-Dichloropropane	U	2.09	ug/kg	0.314	2.09
541-73-1	1,3-Dichlorobenzene	U	2.09	ug/kg	0.314	2.09
106-46-7	1,4-Dichlorobenzene	U	2.09	ug/kg	0.314	2.09
123-91-1	1,4-Dioxane	U	52.4	ug/kg	15.7	52.4
78-93-3	2-Butanone	U	10.5	ug/kg	3.14	10.5
591-78-6	2-Hexanone	U	10.5	ug/kg	3.14	10.5
108-10-1	4-Methyl-2-pentanone	U	10.5	ug/kg	3.14	10.5
67-64-1	Acetone	J	5.20	ug/kg	3.14	10.5
71-43-2	Benzene	U	2.09	ug/kg	0.314	2.09
74-97-5	Bromochloromethane	U	2.09	ug/kg	0.314	2.09
75-27-4	Bromodichloromethane	U	2.09	ug/kg	0.314	2.09
75-25-2	Bromoform	U	2.09	ug/kg	0.314	2.09
74-83-9	Bromomethane	U	2.09	ug/kg	0.314	2.09
75-15-0	Carbon disulfide	U	10.5	ug/kg	1.68	10.5
56-23-5	Carbon tetrachloride	U	2.09	ug/kg	0.314	2.09
108-90-7	Chlorobenzene	U	2.09	ug/kg	0.314	2.09
75-00-3	Chloroethane	U	2.09	ug/kg	0.314	2.09
67-66-3	Chloroform	U	2.09	ug/kg	0.314	2.09
74-87-3	Chloromethane	U	2.09	ug/kg	0.314	2.09
110-82-7	Cyclohexane	U	2.09	ug/kg	0.314	2.09
124-48-1	Dibromochloromethane	U	2.09	ug/kg	0.314	2.09
75-71-8	Dichlorodifluoromethane	U	2.09	ug/kg	0.314	2.09
100-41-4	Ethylbenzene	U	2.09	ug/kg	0.314	2.09
98-82-8	Isopropylbenzene	U	2.09	ug/kg	0.314	2.09
79-20-9	Methyl acetate	U	5.24	ug/kg	1.57	5.24
108-87-2	Methylcyclohexane	U	2.09	ug/kg	0.314	2.09
75-09-2	Methylene chloride	U	5.24	ug/kg	1.68	5.24

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455239
Lab Sample ID: 455239007

Client ID: S12RE
Batch ID: 1785349
Run Date: 07/28/2018 16:36
Prep Date: 07/28/2018 12:17
Data File: 072818V3\3R611.D

Date Collected: 07/20/2018 14:35
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 6.4
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	2.09	ug/kg	0.314	2.09
127-18-4	Tetrachloroethylene	U	2.09	ug/kg	0.314	2.09
108-88-3	Toluene	U	2.09	ug/kg	0.314	2.09
79-01-6	Trichloroethylene	U	2.09	ug/kg	0.314	2.09
75-69-4	Trichlorofluoromethane	U	2.09	ug/kg	0.314	2.09
76-13-1	Trichlorotrifluoroethane	U	5.24	ug/kg	1.68	5.24
75-01-4	Vinyl chloride	U	2.09	ug/kg	0.314	2.09
156-59-2	cis-1,2-Dichloroethylene	U	2.09	ug/kg	0.314	2.09
10061-01-5	cis-1,3-Dichloropropylene	U	2.09	ug/kg	0.314	2.09
179601-23-1	m,p-Xylenes	U	4.19	ug/kg	0.314	4.19
95-47-6	o-Xylene	U	2.09	ug/kg	0.314	2.09
1634-04-4	tert-Butyl methyl ether	U	2.09	ug/kg	0.314	2.09
156-60-5	trans-1,2-Dichloroethylene	U	2.09	ug/kg	0.314	2.09
10061-02-6	trans-1,3-Dichloropropylene	U	2.09	ug/kg	0.314	2.09

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 450565
Lab Sample ID: 450565001

Date Collected: 05/18/2018 10:00
Date Received: 05/19/2018 09:20
Client: URSC013
Method: SW846 8260B
Inst: VOAA.I
Analyst: JEB
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 9.6
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

Client ID: S13
Batch ID: 1767197
Run Date: 05/22/2018 23:28
Prep Date: 05/22/2018 18:03
Data File: 052218\AJ222.D

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	1.11	ug/kg	0.369	1.11
79-34-5	1,1,2,2-Tetrachloroethane	U	1.11	ug/kg	0.369	1.11
79-00-5	1,1,2-Trichloroethane	U	1.11	ug/kg	0.369	1.11
75-34-3	1,1-Dichloroethane	U	1.11	ug/kg	0.369	1.11
75-35-4	1,1-Dichloroethylene	U	1.11	ug/kg	0.369	1.11
107-06-2	1,2-Dichloroethane	U	1.11	ug/kg	0.369	1.11
78-93-3	2-Butanone	U	5.53	ug/kg	1.84	5.53
591-78-6	2-Hexanone	U	5.53	ug/kg	1.84	5.53
108-10-1	4-Methyl-2-pentanone	U	5.53	ug/kg	1.84	5.53
67-64-1	Acetone	U	5.53	ug/kg	1.84	5.53
71-43-2	Benzene	U	1.11	ug/kg	0.369	1.11
75-15-0	Carbon disulfide	U	5.53	ug/kg	1.84	5.53
56-23-5	Carbon tetrachloride	U	1.11	ug/kg	0.369	1.11
108-90-7	Chlorobenzene	U	1.11	ug/kg	0.369	1.11
75-00-3	Chloroethane	U	1.11	ug/kg	0.369	1.11
67-66-3	Chloroform	U	1.11	ug/kg	0.369	1.11
74-87-3	Chloromethane	U	1.11	ug/kg	0.369	1.11
100-41-4	Ethylbenzene	U	1.11	ug/kg	0.369	1.11
75-09-2	Methylene chloride	U	5.53	ug/kg	1.84	5.53
100-42-5	Styrene	U	1.11	ug/kg	0.369	1.11
127-18-4	Tetrachloroethylene	U	1.11	ug/kg	0.369	1.11
108-88-3	Toluene	U	1.11	ug/kg	0.369	1.11
79-01-6	Trichloroethylene	U	1.11	ug/kg	0.369	1.11
76-13-1	Trichlorotrifluoroethane	U	5.53	ug/kg	1.84	5.53
108-05-4	Vinyl acetate	U	5.53	ug/kg	1.84	5.53
75-01-4	Vinyl chloride	U	1.11	ug/kg	0.369	1.11
1330-20-7	Xylenes (total)	U	3.32	ug/kg	1.11	3.32
156-59-2	cis-1,2-Dichloroethylene	U	1.11	ug/kg	0.369	1.11
156-60-5	trans-1,2-Dichloroethylene	U	1.11	ug/kg	0.369	1.11

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454944
Lab Sample ID: 454944006

Client ID: S14
Batch ID: 1785349
Run Date: 07/24/2018 17:27
Prep Date: 07/24/2018 13:18
Data File: 072418V3\3R216.D

Date Collected: 07/18/2018 10:40
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.4 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.1
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	99.7	ug/kg	15.0	99.7
79-34-5	1,1,2,2-Tetrachloroethane	U	99.7	ug/kg	15.0	99.7
79-00-5	1,1,2-Trichloroethane	U	99.7	ug/kg	15.0	99.7
75-34-3	1,1-Dichloroethane	U	99.7	ug/kg	15.0	99.7
75-35-4	1,1-Dichloroethylene	U	99.7	ug/kg	15.0	99.7
87-61-6	1,2,3-Trichlorobenzene	U	99.7	ug/kg	15.0	99.7
120-82-1	1,2,4-Trichlorobenzene	U	99.7	ug/kg	15.0	99.7
96-12-8	1,2-Dibromo-3-chloropropane	U	99.7	ug/kg	24.9	99.7
106-93-4	1,2-Dibromoethane	U	99.7	ug/kg	15.0	99.7
95-50-1	1,2-Dichlorobenzene	U	99.7	ug/kg	15.0	99.7
107-06-2	1,2-Dichloroethane	U	99.7	ug/kg	15.0	99.7
78-87-5	1,2-Dichloropropane	U	99.7	ug/kg	15.0	99.7
541-73-1	1,3-Dichlorobenzene	U	99.7	ug/kg	15.0	99.7
106-46-7	1,4-Dichlorobenzene	U	99.7	ug/kg	15.0	99.7
123-91-1	1,4-Dioxane	U	2490	ug/kg	748	2490
78-93-3	2-Butanone	U	499	ug/kg	150	499
591-78-6	2-Hexanone	U	499	ug/kg	150	499
108-10-1	4-Methyl-2-pentanone	U	499	ug/kg	150	499
67-64-1	Acetone	U	499	ug/kg	150	499
71-43-2	Benzene	U	99.7	ug/kg	15.0	99.7
74-97-5	Bromochloromethane	U	99.7	ug/kg	15.0	99.7
75-27-4	Bromodichloromethane	U	99.7	ug/kg	15.0	99.7
75-25-2	Bromoform	U	99.7	ug/kg	15.0	99.7
74-83-9	Bromomethane	U	99.7	ug/kg	15.0	99.7
75-15-0	Carbon disulfide	U	499	ug/kg	79.8	499
56-23-5	Carbon tetrachloride	U	99.7	ug/kg	15.0	99.7
108-90-7	Chlorobenzene	U	99.7	ug/kg	15.0	99.7
75-00-3	Chloroethane	U	99.7	ug/kg	15.0	99.7
67-66-3	Chloroform	U	99.7	ug/kg	15.0	99.7
74-87-3	Chloromethane	U	99.7	ug/kg	15.0	99.7
110-82-7	Cyclohexane	U	99.7	ug/kg	15.0	99.7
124-48-1	Dibromochloromethane	U	99.7	ug/kg	15.0	99.7
75-71-8	Dichlorodifluoromethane	U	99.7	ug/kg	15.0	99.7
100-41-4	Ethylbenzene	U	99.7	ug/kg	15.0	99.7
98-82-8	Isopropylbenzene	U	99.7	ug/kg	15.0	99.7
79-20-9	Methyl acetate	U	249	ug/kg	74.8	249
108-87-2	Methylcyclohexane	U	99.7	ug/kg	15.0	99.7
75-09-2	Methylene chloride	U	249	ug/kg	79.8	249

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454944
Lab Sample ID: 454944006

Client ID: S14
Batch ID: 1785349
Run Date: 07/24/2018 17:27
Prep Date: 07/24/2018 13:18
Data File: 072418V3\3R216.D

Date Collected: 07/18/2018 10:40
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.4 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.1
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	99.7	ug/kg	15.0	99.7
127-18-4	Tetrachloroethylene	U	99.7	ug/kg	15.0	99.7
108-88-3	Toluene	U	99.7	ug/kg	15.0	99.7
79-01-6	Trichloroethylene	U	99.7	ug/kg	15.0	99.7
75-69-4	Trichlorofluoromethane	U	99.7	ug/kg	15.0	99.7
76-13-1	Trichlorotrifluoroethane	U	249	ug/kg	79.8	249
75-01-4	Vinyl chloride	U	99.7	ug/kg	15.0	99.7
156-59-2	cis-1,2-Dichloroethylene	U	99.7	ug/kg	15.0	99.7
10061-01-5	cis-1,3-Dichloropropylene	U	99.7	ug/kg	15.0	99.7
179601-23-1	m,p-Xylenes	U	199	ug/kg	15.0	199
95-47-6	o-Xylene	U	99.7	ug/kg	15.0	99.7
1634-04-4	tert-Butyl methyl ether	U	99.7	ug/kg	15.0	99.7
156-60-5	trans-1,2-Dichloroethylene	U	99.7	ug/kg	15.0	99.7
10061-02-6	trans-1,3-Dichloropropylene	U	99.7	ug/kg	15.0	99.7

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454944
Lab Sample ID: 454944006

Client ID: S14RE
Batch ID: 1785349
Run Date: 07/27/2018 17:25
Prep Date: 07/27/2018 11:06
Data File: 072718V3\3R514.D

Date Collected: 07/18/2018 10:40
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.1
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	2.15	ug/kg	0.323	2.15
79-34-5	1,1,2,2-Tetrachloroethane	U	2.15	ug/kg	0.323	2.15
79-00-5	1,1,2-Trichloroethane	U	2.15	ug/kg	0.323	2.15
75-34-3	1,1-Dichloroethane	U	2.15	ug/kg	0.323	2.15
75-35-4	1,1-Dichloroethylene	U	2.15	ug/kg	0.323	2.15
87-61-6	1,2,3-Trichlorobenzene	U	2.15	ug/kg	0.323	2.15
120-82-1	1,2,4-Trichlorobenzene	U	2.15	ug/kg	0.323	2.15
96-12-8	1,2-Dibromo-3-chloropropane	U	2.15	ug/kg	0.538	2.15
106-93-4	1,2-Dibromoethane	U	2.15	ug/kg	0.323	2.15
95-50-1	1,2-Dichlorobenzene	U	2.15	ug/kg	0.323	2.15
107-06-2	1,2-Dichloroethane	U	2.15	ug/kg	0.323	2.15
78-87-5	1,2-Dichloropropane	U	2.15	ug/kg	0.323	2.15
541-73-1	1,3-Dichlorobenzene	U	2.15	ug/kg	0.323	2.15
106-46-7	1,4-Dichlorobenzene	U	2.15	ug/kg	0.323	2.15
123-91-1	1,4-Dioxane	U	53.8	ug/kg	16.2	53.8
78-93-3	2-Butanone	U	10.8	ug/kg	3.23	10.8
591-78-6	2-Hexanone	U	10.8	ug/kg	3.23	10.8
108-10-1	4-Methyl-2-pentanone	U	10.8	ug/kg	3.23	10.8
67-64-1	Acetone	J	6.47	ug/kg	3.23	10.8
71-43-2	Benzene	U	2.15	ug/kg	0.323	2.15
74-97-5	Bromochloromethane	U	2.15	ug/kg	0.323	2.15
75-27-4	Bromodichloromethane	U	2.15	ug/kg	0.323	2.15
75-25-2	Bromoform	U	2.15	ug/kg	0.323	2.15
74-83-9	Bromomethane	U	2.15	ug/kg	0.323	2.15
75-15-0	Carbon disulfide	U	10.8	ug/kg	1.72	10.8
56-23-5	Carbon tetrachloride	U	2.15	ug/kg	0.323	2.15
108-90-7	Chlorobenzene	U	2.15	ug/kg	0.323	2.15
75-00-3	Chloroethane	U	2.15	ug/kg	0.323	2.15
67-66-3	Chloroform	U	2.15	ug/kg	0.323	2.15
74-87-3	Chloromethane	U	2.15	ug/kg	0.323	2.15
110-82-7	Cyclohexane	U	2.15	ug/kg	0.323	2.15
124-48-1	Dibromochloromethane	U	2.15	ug/kg	0.323	2.15
75-71-8	Dichlorodifluoromethane	U	2.15	ug/kg	0.323	2.15
100-41-4	Ethylbenzene	U	2.15	ug/kg	0.323	2.15
98-82-8	Isopropylbenzene	U	2.15	ug/kg	0.323	2.15
79-20-9	Methyl acetate	U	5.38	ug/kg	1.62	5.38
108-87-2	Methylcyclohexane	U	2.15	ug/kg	0.323	2.15
75-09-2	Methylene chloride	U	5.38	ug/kg	1.72	5.38

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454944
Lab Sample ID: 454944006

Client ID: S14RE
Batch ID: 1785349
Run Date: 07/27/2018 17:25
Prep Date: 07/27/2018 11:06
Data File: 072718V3\3R514.D

Date Collected: 07/18/2018 10:40
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.1
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	2.15	ug/kg	0.323	2.15
127-18-4	Tetrachloroethylene	U	2.15	ug/kg	0.323	2.15
108-88-3	Toluene	U	2.15	ug/kg	0.323	2.15
79-01-6	Trichloroethylene	U	2.15	ug/kg	0.323	2.15
75-69-4	Trichlorofluoromethane	U	2.15	ug/kg	0.323	2.15
76-13-1	Trichlorotrifluoroethane	U	5.38	ug/kg	1.72	5.38
75-01-4	Vinyl chloride	U	2.15	ug/kg	0.323	2.15
156-59-2	cis-1,2-Dichloroethylene	U	2.15	ug/kg	0.323	2.15
10061-01-5	cis-1,3-Dichloropropylene	U	2.15	ug/kg	0.323	2.15
179601-23-1	m,p-Xylenes	U	4.31	ug/kg	0.323	4.31
95-47-6	o-Xylene	U	2.15	ug/kg	0.323	2.15
1634-04-4	tert-Butyl methyl ether	U	2.15	ug/kg	0.323	2.15
156-60-5	trans-1,2-Dichloroethylene	U	2.15	ug/kg	0.323	2.15
10061-02-6	trans-1,3-Dichloropropylene	U	2.15	ug/kg	0.323	2.15

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454944
Lab Sample ID: 454944007

Client ID: S15
Batch ID: 1785349
Run Date: 07/24/2018 17:58
Prep Date: 07/24/2018 13:19
Data File: 072418V3\3R217.D

Date Collected: 07/18/2018 13:35
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.4 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.6
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	100	ug/kg	15.0	100
79-34-5	1,1,2,2-Tetrachloroethane	U	100	ug/kg	15.0	100
79-00-5	1,1,2-Trichloroethane	U	100	ug/kg	15.0	100
75-34-3	1,1-Dichloroethane	U	100	ug/kg	15.0	100
75-35-4	1,1-Dichloroethylene	U	100	ug/kg	15.0	100
87-61-6	1,2,3-Trichlorobenzene	U	100	ug/kg	15.0	100
120-82-1	1,2,4-Trichlorobenzene	U	100	ug/kg	15.0	100
96-12-8	1,2-Dibromo-3-chloropropane	U	100	ug/kg	25.1	100
106-93-4	1,2-Dibromoethane	U	100	ug/kg	15.0	100
95-50-1	1,2-Dichlorobenzene	U	100	ug/kg	15.0	100
107-06-2	1,2-Dichloroethane	U	100	ug/kg	15.0	100
78-87-5	1,2-Dichloropropane	U	100	ug/kg	15.0	100
541-73-1	1,3-Dichlorobenzene	U	100	ug/kg	15.0	100
106-46-7	1,4-Dichlorobenzene	U	100	ug/kg	15.0	100
123-91-1	1,4-Dioxane	U	2510	ug/kg	752	2510
78-93-3	2-Butanone	U	501	ug/kg	150	501
591-78-6	2-Hexanone	U	501	ug/kg	150	501
108-10-1	4-Methyl-2-pentanone	U	501	ug/kg	150	501
67-64-1	Acetone	U	501	ug/kg	150	501
71-43-2	Benzene	U	100	ug/kg	15.0	100
74-97-5	Bromochloromethane	U	100	ug/kg	15.0	100
75-27-4	Bromodichloromethane	U	100	ug/kg	15.0	100
75-25-2	Bromoform	U	100	ug/kg	15.0	100
74-83-9	Bromomethane	U	100	ug/kg	15.0	100
75-15-0	Carbon disulfide	U	501	ug/kg	80.2	501
56-23-5	Carbon tetrachloride	U	100	ug/kg	15.0	100
108-90-7	Chlorobenzene	U	100	ug/kg	15.0	100
75-00-3	Chloroethane	U	100	ug/kg	15.0	100
67-66-3	Chloroform	U	100	ug/kg	15.0	100
74-87-3	Chloromethane	U	100	ug/kg	15.0	100
110-82-7	Cyclohexane	U	100	ug/kg	15.0	100
124-48-1	Dibromochloromethane	U	100	ug/kg	15.0	100
75-71-8	Dichlorodifluoromethane	U	100	ug/kg	15.0	100
100-41-4	Ethylbenzene	U	100	ug/kg	15.0	100
98-82-8	Isopropylbenzene	U	100	ug/kg	15.0	100
79-20-9	Methyl acetate	U	251	ug/kg	75.2	251
108-87-2	Methylcyclohexane	U	100	ug/kg	15.0	100
75-09-2	Methylene chloride	U	251	ug/kg	80.2	251

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454944
Lab Sample ID: 454944007

Client ID: S15
Batch ID: 1785349
Run Date: 07/24/2018 17:58
Prep Date: 07/24/2018 13:19
Data File: 072418V3\3R217.D

Date Collected: 07/18/2018 13:35
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.4 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.6
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	100	ug/kg	15.0	100
127-18-4	Tetrachloroethylene	U	100	ug/kg	15.0	100
108-88-3	Toluene	U	100	ug/kg	15.0	100
79-01-6	Trichloroethylene	U	100	ug/kg	15.0	100
75-69-4	Trichlorofluoromethane	U	100	ug/kg	15.0	100
76-13-1	Trichlorotrifluoroethane	U	251	ug/kg	80.2	251
75-01-4	Vinyl chloride	U	100	ug/kg	15.0	100
156-59-2	cis-1,2-Dichloroethylene	U	100	ug/kg	15.0	100
10061-01-5	cis-1,3-Dichloropropylene	U	100	ug/kg	15.0	100
179601-23-1	m,p-Xylenes	U	200	ug/kg	15.0	200
95-47-6	o-Xylene	U	100	ug/kg	15.0	100
1634-04-4	tert-Butyl methyl ether	U	100	ug/kg	15.0	100
156-60-5	trans-1,2-Dichloroethylene	U	100	ug/kg	15.0	100
10061-02-6	trans-1,3-Dichloropropylene	U	100	ug/kg	15.0	100

Volatile
Certificate of Analysis
Sample Summary

Page 1 of 2

SDG Number: 454944
Lab Sample ID: 454944007

Client ID: S15RE
Batch ID: 1785349
Run Date: 07/27/2018 17:56
Prep Date: 07/27/2018 11:07
Data File: 072718V3\3R515.D

Date Collected: 07/18/2018 13:35
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.6
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	2.16	ug/kg	0.325	2.16
79-34-5	1,1,2,2-Tetrachloroethane	U	2.16	ug/kg	0.325	2.16
79-00-5	1,1,2-Trichloroethane	U	2.16	ug/kg	0.325	2.16
75-34-3	1,1-Dichloroethane	U	2.16	ug/kg	0.325	2.16
75-35-4	1,1-Dichloroethylene	U	2.16	ug/kg	0.325	2.16
87-61-6	1,2,3-Trichlorobenzene	U	2.16	ug/kg	0.325	2.16
120-82-1	1,2,4-Trichlorobenzene	U	2.16	ug/kg	0.325	2.16
96-12-8	1,2-Dibromo-3-chloropropane	U	2.16	ug/kg	0.541	2.16
106-93-4	1,2-Dibromoethane	U	2.16	ug/kg	0.325	2.16
95-50-1	1,2-Dichlorobenzene	U	2.16	ug/kg	0.325	2.16
107-06-2	1,2-Dichloroethane	U	2.16	ug/kg	0.325	2.16
78-87-5	1,2-Dichloropropane	U	2.16	ug/kg	0.325	2.16
541-73-1	1,3-Dichlorobenzene	U	2.16	ug/kg	0.325	2.16
106-46-7	1,4-Dichlorobenzene	U	2.16	ug/kg	0.325	2.16
123-91-1	1,4-Dioxane	U	54.1	ug/kg	16.2	54.1
78-93-3	2-Butanone	U	10.8	ug/kg	3.25	10.8
591-78-6	2-Hexanone	U	10.8	ug/kg	3.25	10.8
108-10-1	4-Methyl-2-pentanone	U	10.8	ug/kg	3.25	10.8
67-64-1	Acetone		13.5	ug/kg	3.25	10.8
71-43-2	Benzene	U	2.16	ug/kg	0.325	2.16
74-97-5	Bromochloromethane	U	2.16	ug/kg	0.325	2.16
75-27-4	Bromodichloromethane	U	2.16	ug/kg	0.325	2.16
75-25-2	Bromoform	U	2.16	ug/kg	0.325	2.16
74-83-9	Bromomethane	U	2.16	ug/kg	0.325	2.16
75-15-0	Carbon disulfide	U	10.8	ug/kg	1.73	10.8
56-23-5	Carbon tetrachloride	U	2.16	ug/kg	0.325	2.16
108-90-7	Chlorobenzene	U	2.16	ug/kg	0.325	2.16
75-00-3	Chloroethane	U	2.16	ug/kg	0.325	2.16
67-66-3	Chloroform	U	2.16	ug/kg	0.325	2.16
74-87-3	Chloromethane	U	2.16	ug/kg	0.325	2.16
110-82-7	Cyclohexane	U	2.16	ug/kg	0.325	2.16
124-48-1	Dibromochloromethane	U	2.16	ug/kg	0.325	2.16
75-71-8	Dichlorodifluoromethane	U	2.16	ug/kg	0.325	2.16
100-41-4	Ethylbenzene	U	2.16	ug/kg	0.325	2.16
98-82-8	Isopropylbenzene	U	2.16	ug/kg	0.325	2.16
79-20-9	Methyl acetate	U	5.41	ug/kg	1.62	5.41
108-87-2	Methylcyclohexane	U	2.16	ug/kg	0.325	2.16
75-09-2	Methylene chloride	U	5.41	ug/kg	1.73	5.41

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454944
Lab Sample ID: 454944007

Client ID: S15RE
Batch ID: 1785349
Run Date: 07/27/2018 17:56
Prep Date: 07/27/2018 11:07
Data File: 072718V3\3R515.D

Date Collected: 07/18/2018 13:35
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.6
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	2.16	ug/kg	0.325	2.16
127-18-4	Tetrachloroethylene	U	2.16	ug/kg	0.325	2.16
108-88-3	Toluene	U	2.16	ug/kg	0.325	2.16
79-01-6	Trichloroethylene	U	2.16	ug/kg	0.325	2.16
75-69-4	Trichlorofluoromethane	U	2.16	ug/kg	0.325	2.16
76-13-1	Trichlorotrifluoroethane	U	5.41	ug/kg	1.73	5.41
75-01-4	Vinyl chloride	U	2.16	ug/kg	0.325	2.16
156-59-2	cis-1,2-Dichloroethylene	U	2.16	ug/kg	0.325	2.16
10061-01-5	cis-1,3-Dichloropropylene	U	2.16	ug/kg	0.325	2.16
179601-23-1	m,p-Xylenes	U	4.33	ug/kg	0.325	4.33
95-47-6	o-Xylene	U	2.16	ug/kg	0.325	2.16
1634-04-4	tert-Butyl methyl ether	U	2.16	ug/kg	0.325	2.16
156-60-5	trans-1,2-Dichloroethylene	U	2.16	ug/kg	0.325	2.16
10061-02-6	trans-1,3-Dichloropropylene	U	2.16	ug/kg	0.325	2.16

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067015

Client ID: S16RE
Batch ID: 1784645
Run Date: 08/01/2018 20:11
Prep Date: 08/01/2018 13:29
Data File: 080118V3\3S320.D

Date Collected: 07/19/2018 13:35
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.5
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	2.12	ug/kg	0.318	2.12
79-34-5	1,1,2,2-Tetrachloroethane	U	2.12	ug/kg	0.318	2.12
79-00-5	1,1,2-Trichloroethane	U	2.12	ug/kg	0.318	2.12
75-34-3	1,1-Dichloroethane	U	2.12	ug/kg	0.318	2.12
75-35-4	1,1-Dichloroethylene	U	2.12	ug/kg	0.318	2.12
87-61-6	1,2,3-Trichlorobenzene	U	2.12	ug/kg	0.318	2.12
120-82-1	1,2,4-Trichlorobenzene	U	2.12	ug/kg	0.318	2.12
96-12-8	1,2-Dibromo-3-chloropropane	U	2.12	ug/kg	0.530	2.12
106-93-4	1,2-Dibromoethane	U	2.12	ug/kg	0.318	2.12
95-50-1	1,2-Dichlorobenzene	U	2.12	ug/kg	0.318	2.12
107-06-2	1,2-Dichloroethane	U	2.12	ug/kg	0.318	2.12
78-87-5	1,2-Dichloropropane	U	2.12	ug/kg	0.318	2.12
541-73-1	1,3-Dichlorobenzene	U	2.12	ug/kg	0.318	2.12
106-46-7	1,4-Dichlorobenzene	U	2.12	ug/kg	0.318	2.12
123-91-1	1,4-Dioxane	U	53.0	ug/kg	15.9	53.0
78-93-3	2-Butanone	U	10.6	ug/kg	3.18	10.6
591-78-6	2-Hexanone	U	10.6	ug/kg	3.18	10.6
108-10-1	4-Methyl-2-pentanone	U	10.6	ug/kg	3.18	10.6
67-64-1	Acetone	U	10.6	ug/kg	3.18	10.6
71-43-2	Benzene	U	2.12	ug/kg	0.318	2.12
74-97-5	Bromochloromethane	U	2.12	ug/kg	0.318	2.12
75-27-4	Bromodichloromethane	U	2.12	ug/kg	0.318	2.12
75-25-2	Bromoform	U	2.12	ug/kg	0.318	2.12
74-83-9	Bromomethane	U	2.12	ug/kg	0.318	2.12
75-15-0	Carbon disulfide	U	10.6	ug/kg	1.70	10.6
56-23-5	Carbon tetrachloride	U	2.12	ug/kg	0.318	2.12
108-90-7	Chlorobenzene	U	2.12	ug/kg	0.318	2.12
75-00-3	Chloroethane	U	2.12	ug/kg	0.318	2.12
67-66-3	Chloroform	U	2.12	ug/kg	0.318	2.12
74-87-3	Chloromethane	U	2.12	ug/kg	0.318	2.12
110-82-7	Cyclohexane	U	2.12	ug/kg	0.318	2.12
124-48-1	Dibromochloromethane	U	2.12	ug/kg	0.318	2.12
75-71-8	Dichlorodifluoromethane	U	2.12	ug/kg	0.318	2.12
100-41-4	Ethylbenzene	U	2.12	ug/kg	0.318	2.12
98-82-8	Isopropylbenzene	U	2.12	ug/kg	0.318	2.12
79-20-9	Methyl acetate	U	5.30	ug/kg	1.59	5.30
108-87-2	Methylcyclohexane	U	2.12	ug/kg	0.318	2.12
75-09-2	Methylene chloride	U	5.30	ug/kg	1.70	5.30

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067015

Client ID: S16RE
Batch ID: 1784645
Run Date: 08/01/2018 20:11
Prep Date: 08/01/2018 13:29
Data File: 080118V3\3S320.D

Date Collected: 07/19/2018 13:35
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.5
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	2.12	ug/kg	0.318	2.12
127-18-4	Tetrachloroethylene	U	2.12	ug/kg	0.318	2.12
108-88-3	Toluene	U	2.12	ug/kg	0.318	2.12
79-01-6	Trichloroethylene	U	2.12	ug/kg	0.318	2.12
75-69-4	Trichlorofluoromethane	U	2.12	ug/kg	0.318	2.12
76-13-1	Trichlorotrifluoroethane	U	5.30	ug/kg	1.70	5.30
75-01-4	Vinyl chloride	U	2.12	ug/kg	0.318	2.12
156-59-2	cis-1,2-Dichloroethylene	U	2.12	ug/kg	0.318	2.12
10061-01-5	cis-1,3-Dichloropropylene	U	2.12	ug/kg	0.318	2.12
179601-23-1	m,p-Xylenes	U	4.24	ug/kg	0.318	4.24
95-47-6	o-Xylene	U	2.12	ug/kg	0.318	2.12
1634-04-4	tert-Butyl methyl ether	U	2.12	ug/kg	0.318	2.12
156-60-5	trans-1,2-Dichloroethylene	U	2.12	ug/kg	0.318	2.12
10061-02-6	trans-1,3-Dichloropropylene	U	2.12	ug/kg	0.318	2.12

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067015

Client ID: S16
Batch ID: 1784645
Run Date: 07/24/2018 14:52
Prep Date: 07/21/2018 12:23
Data File: 072418V3\3R211.D

Date Collected: 07/19/2018 13:35
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.5
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	106	ug/kg	15.9	106
79-34-5	1,1,2,2-Tetrachloroethane	U	106	ug/kg	15.9	106
79-00-5	1,1,2-Trichloroethane	U	106	ug/kg	15.9	106
75-34-3	1,1-Dichloroethane	U	106	ug/kg	15.9	106
75-35-4	1,1-Dichloroethylene	U	106	ug/kg	15.9	106
87-61-6	1,2,3-Trichlorobenzene	U	106	ug/kg	15.9	106
120-82-1	1,2,4-Trichlorobenzene	U	106	ug/kg	15.9	106
96-12-8	1,2-Dibromo-3-chloropropane	U	106	ug/kg	26.5	106
106-93-4	1,2-Dibromoethane	U	106	ug/kg	15.9	106
95-50-1	1,2-Dichlorobenzene	U	106	ug/kg	15.9	106
107-06-2	1,2-Dichloroethane	U	106	ug/kg	15.9	106
78-87-5	1,2-Dichloropropane	U	106	ug/kg	15.9	106
541-73-1	1,3-Dichlorobenzene	U	106	ug/kg	15.9	106
106-46-7	1,4-Dichlorobenzene	U	106	ug/kg	15.9	106
123-91-1	1,4-Dioxane	U	2650	ug/kg	795	2650
78-93-3	2-Butanone	U	530	ug/kg	159	530
591-78-6	2-Hexanone	U	530	ug/kg	159	530
108-10-1	4-Methyl-2-pentanone	U	530	ug/kg	159	530
67-64-1	Acetone	U	530	ug/kg	159	530
71-43-2	Benzene	U	106	ug/kg	15.9	106
74-97-5	Bromochloromethane	U	106	ug/kg	15.9	106
75-27-4	Bromodichloromethane	U	106	ug/kg	15.9	106
75-25-2	Bromoform	U	106	ug/kg	15.9	106
74-83-9	Bromomethane	U	106	ug/kg	15.9	106
75-15-0	Carbon disulfide	U	530	ug/kg	84.8	530
56-23-5	Carbon tetrachloride	U	106	ug/kg	15.9	106
108-90-7	Chlorobenzene	U	106	ug/kg	15.9	106
75-00-3	Chloroethane	U	106	ug/kg	15.9	106
67-66-3	Chloroform	U	106	ug/kg	15.9	106
74-87-3	Chloromethane	U	106	ug/kg	15.9	106
110-82-7	Cyclohexane	U	106	ug/kg	15.9	106
124-48-1	Dibromochloromethane	U	106	ug/kg	15.9	106
75-71-8	Dichlorodifluoromethane	U	106	ug/kg	15.9	106
100-41-4	Ethylbenzene	U	106	ug/kg	15.9	106
98-82-8	Isopropylbenzene	U	106	ug/kg	15.9	106
79-20-9	Methyl acetate	U	265	ug/kg	79.5	265
108-87-2	Methylcyclohexane	U	106	ug/kg	15.9	106
75-09-2	Methylene chloride	U	265	ug/kg	84.8	265

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067015

Client ID: S16
Batch ID: 1784645
Run Date: 07/24/2018 14:52
Prep Date: 07/21/2018 12:23
Data File: 072418V3\3R211.D

Date Collected: 07/19/2018 13:35
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.5
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	106	ug/kg	15.9	106
127-18-4	Tetrachloroethylene	U	106	ug/kg	15.9	106
108-88-3	Toluene	U	106	ug/kg	15.9	106
79-01-6	Trichloroethylene	U	106	ug/kg	15.9	106
75-69-4	Trichlorofluoromethane	U	106	ug/kg	15.9	106
76-13-1	Trichlorotrifluoroethane	U	265	ug/kg	84.8	265
75-01-4	Vinyl chloride	U	106	ug/kg	15.9	106
156-59-2	cis-1,2-Dichloroethylene	U	106	ug/kg	15.9	106
10061-01-5	cis-1,3-Dichloropropylene	U	106	ug/kg	15.9	106
179601-23-1	m,p-Xylenes	U	212	ug/kg	15.9	212
95-47-6	o-Xylene	U	106	ug/kg	15.9	106
1634-04-4	tert-Butyl methyl ether	U	106	ug/kg	15.9	106
156-60-5	trans-1,2-Dichloroethylene	U	106	ug/kg	15.9	106
10061-02-6	trans-1,3-Dichloropropylene	U	106	ug/kg	15.9	106

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Certificate of Analysis

Report Date: August 22, 2018

Company : URS
Address : 2425 River Road (c/o SPRU DP)

Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: S17	Project: URSC00211
Sample ID: 456917001	Client ID: URSC013
Matrix: Soil	
Collect Date: 09-AUG-18 08:20	
Receive Date: 10-AUG-18	
Collector: Client	
Moisture: 7.5%	

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Volatile Organics												
SW846 8260C Volatiles "Dry Weight Corrected"												
1,1,1-Trichloroethane	U	ND	15.9	106	ug/kg	0.980	50	JP1	08/18/18	0625	1794368	1
1,1,2,2-Tetrachloroethane	U	ND	15.9	106	ug/kg	0.980	50					
1,1,2-Trichloroethane	U	ND	15.9	106	ug/kg	0.980	50					
1,1-Dichloroethane	U	ND	15.9	106	ug/kg	0.980	50					
1,1-Dichloroethylene	U	ND	15.9	106	ug/kg	0.980	50					
1,2,3-Trichlorobenzene	U	ND	15.9	106	ug/kg	0.980	50					
1,2,4-Trichlorobenzene	U	ND	15.9	106	ug/kg	0.980	50					
1,2-Dibromo-3-chloropropane	U	ND	26.5	106	ug/kg	0.980	50					
1,2-Dibromoethane	U	ND	15.9	106	ug/kg	0.980	50					
1,2-Dichlorobenzene	U	ND	15.9	106	ug/kg	0.980	50					
1,2-Dichloroethane	U	ND	15.9	106	ug/kg	0.980	50					
1,2-Dichloropropane	U	ND	15.9	106	ug/kg	0.980	50					
1,3-Dichlorobenzene	U	ND	15.9	106	ug/kg	0.980	50					
1,4-Dichlorobenzene	U	ND	15.9	106	ug/kg	0.980	50					
1,4-Dioxane	U	ND	795	2650	ug/kg	0.980	50					
2-Butanone	U	ND	159	530	ug/kg	0.980	50					
2-Hexanone	U	ND	159	530	ug/kg	0.980	50					
4-Methyl-2-pentanone	U	ND	159	530	ug/kg	0.980	50					
Acetone	U	ND	159	530	ug/kg	0.980	50					
Benzene	U	ND	15.9	106	ug/kg	0.980	50					
Bromochloromethane	U	ND	15.9	106	ug/kg	0.980	50					
Bromodichloromethane	U	ND	15.9	106	ug/kg	0.980	50					
Bromoform	U	ND	15.9	106	ug/kg	0.980	50					
Bromomethane	U	ND	15.9	106	ug/kg	0.980	50					
Carbon disulfide	U	ND	84.8	530	ug/kg	0.980	50					
Carbon tetrachloride	U	ND	15.9	106	ug/kg	0.980	50					
Chlorobenzene	U	ND	15.9	106	ug/kg	0.980	50					
Chloroethane	U	ND	15.9	106	ug/kg	0.980	50					
Chloroform	U	ND	15.9	106	ug/kg	0.980	50					
Chloromethane	U	ND	15.9	106	ug/kg	0.980	50					
Cyclohexane	U	ND	15.9	106	ug/kg	0.980	50					
Dibromochloromethane	U	ND	15.9	106	ug/kg	0.980	50					
Dichlorodifluoromethane	U	ND	15.9	106	ug/kg	0.980	50					
Ethylbenzene	U	ND	15.9	106	ug/kg	0.980	50					
Isopropylbenzene	U	ND	15.9	106	ug/kg	0.980	50					
Methyl acetate	U	ND	79.5	265	ug/kg	0.980	50					

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Certificate of Analysis

Report Date: August 22, 2018

Company : URS
Address : 2425 River Road (c/o SPRU DP)

Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: S17

Project: URSC00211

Sample ID: 456917001

Client ID: URSC013

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Volatile Organics												
SW846 8260C Volatiles "Dry Weight Corrected"												
Methylcyclohexane	U	ND	15.9	106	ug/kg	0.980	50					
Methylene chloride	U	ND	84.8	265	ug/kg	0.980	50					
Styrene	U	ND	15.9	106	ug/kg	0.980	50					
Tetrachloroethylene	U	ND	15.9	106	ug/kg	0.980	50					
Toluene	U	ND	15.9	106	ug/kg	0.980	50					
Trichloroethylene	U	ND	15.9	106	ug/kg	0.980	50					
Trichlorofluoromethane	U	ND	15.9	106	ug/kg	0.980	50					
Trichlorotrifluoroethane	U	ND	84.8	265	ug/kg	0.980	50					
Vinyl chloride	U	ND	15.9	106	ug/kg	0.980	50					
cis-1,2-Dichloroethylene	U	ND	15.9	106	ug/kg	0.980	50					
cis-1,3-Dichloropropylene	U	ND	15.9	106	ug/kg	0.980	50					
m,p-Xylenes	U	ND	15.9	212	ug/kg	0.980	50					
o-Xylene	U	ND	15.9	106	ug/kg	0.980	50					
tert-Butyl methyl ether	U	ND	15.9	106	ug/kg	0.980	50					
trans-1,2-Dichloroethylene	U	ND	15.9	106	ug/kg	0.980	50					
trans-1,3-Dichloropropylene	U	ND	15.9	106	ug/kg	0.980	50					
1,1,1-Trichloroethane	U	ND	0.318	2.12	ug/kg	0.980	1	JP1	08/20/18	1217	1794368	2
1,1,2,2-Tetrachloroethane	U	ND	0.318	2.12	ug/kg	0.980	1					
1,1,2-Trichloroethane	U	ND	0.318	2.12	ug/kg	0.980	1					
1,1-Dichloroethane	U	ND	0.318	2.12	ug/kg	0.980	1					
1,1-Dichloroethylene	U	ND	0.318	2.12	ug/kg	0.980	1					
1,2,3-Trichlorobenzene	J	1.98	0.318	2.12	ug/kg	0.980	1					
1,2,4-Trichlorobenzene	J	1.73	0.318	2.12	ug/kg	0.980	1					
1,2-Dibromo-3-chloropropane	U	ND	0.530	2.12	ug/kg	0.980	1					
1,2-Dibromoethane	U	ND	0.318	2.12	ug/kg	0.980	1					
1,2-Dichlorobenzene	J	0.700	0.318	2.12	ug/kg	0.980	1					
1,2-Dichloroethane	U	ND	0.318	2.12	ug/kg	0.980	1					
1,2-Dichloropropane	U	ND	0.318	2.12	ug/kg	0.980	1					
1,3-Dichlorobenzene	J	0.806	0.318	2.12	ug/kg	0.980	1					
1,4-Dichlorobenzene	J	0.996	0.318	2.12	ug/kg	0.980	1					
1,4-Dioxane	U	ND	15.9	53.0	ug/kg	0.980	1					
2-Butanone	U	ND	3.18	10.6	ug/kg	0.980	1					
2-Hexanone	U	ND	3.18	10.6	ug/kg	0.980	1					
4-Methyl-2-pentanone	U	ND	3.18	10.6	ug/kg	0.980	1					
Acetone	J	4.18	3.18	10.6	ug/kg	0.980	1					
Benzene	U	ND	0.318	2.12	ug/kg	0.980	1					

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Certificate of Analysis

Report Date: August 22, 2018

Company : URS
Address : 2425 River Road (c/o SPRU DP)

Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: S17	Project: URSC00211
Sample ID: 456917001	Client ID: URSC013

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Volatiles Organics												
SW846 8260C Volatiles "Dry Weight Corrected"												
Bromochloromethane	U	ND	0.318	2.12	ug/kg	0.980	1					
Bromodichloromethane	U	ND	0.318	2.12	ug/kg	0.980	1					
Bromoform	U	ND	0.318	2.12	ug/kg	0.980	1					
Bromomethane	U	ND	0.318	2.12	ug/kg	0.980	1					
Carbon disulfide	J	3.48	1.70	10.6	ug/kg	0.980	1					
Carbon tetrachloride	U	ND	0.318	2.12	ug/kg	0.980	1					
Chlorobenzene	U	ND	0.318	2.12	ug/kg	0.980	1					
Chloroethane	U	ND	0.318	2.12	ug/kg	0.980	1					
Chloroform	U	ND	0.318	2.12	ug/kg	0.980	1					
Chloromethane	U	ND	0.318	2.12	ug/kg	0.980	1					
Cyclohexane	U	ND	0.318	2.12	ug/kg	0.980	1					
Dibromochloromethane	U	ND	0.318	2.12	ug/kg	0.980	1					
Dichlorodifluoromethane	U	ND	0.318	2.12	ug/kg	0.980	1					
Ethylbenzene	U	ND	0.318	2.12	ug/kg	0.980	1					
Isopropylbenzene	U	ND	0.318	2.12	ug/kg	0.980	1					
Methyl acetate	U	ND	1.59	5.30	ug/kg	0.980	1					
Methylcyclohexane	U	ND	0.318	2.12	ug/kg	0.980	1					
Methylene chloride		6.32	1.70	5.30	ug/kg	0.980	1					
Styrene	U	ND	0.318	2.12	ug/kg	0.980	1					
Tetrachloroethylene	U	ND	0.318	2.12	ug/kg	0.980	1					
Toluene	U	ND	0.318	2.12	ug/kg	0.980	1					
Trichloroethylene	U	ND	0.318	2.12	ug/kg	0.980	1					
Trichlorofluoromethane	U	ND	0.318	2.12	ug/kg	0.980	1					
Trichlorotrifluoroethane	U	ND	1.70	5.30	ug/kg	0.980	1					
Vinyl chloride	U	ND	0.318	2.12	ug/kg	0.980	1					
cis-1,2-Dichloroethylene	U	ND	0.318	2.12	ug/kg	0.980	1					
cis-1,3-Dichloropropylene	U	ND	0.318	2.12	ug/kg	0.980	1					
m,p-Xylenes	U	ND	0.318	4.24	ug/kg	0.980	1					
o-Xylene	U	ND	0.318	2.12	ug/kg	0.980	1					
tert-Butyl methyl ether	U	ND	0.318	2.12	ug/kg	0.980	1					
trans-1,2-Dichloroethylene	U	ND	0.318	2.12	ug/kg	0.980	1					
trans-1,3-Dichloropropylene	U	ND	0.318	2.12	ug/kg	0.980	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 5035A	5035A/8260C Prep	JP1	08/17/18	2203	1794367

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Certificate of Analysis

Report Date: August 22, 2018

Company : URS
Address : 2425 River Road (c/o SPRU DP)

Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: S17

Project: URSC00211

Sample ID: 456917001

Client ID: URSC013

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time Batch	Method
SW846 5035A	5035A/8260C	Prep		JP1	08/20/18		1055		1794367		

The following Analytical Methods were performed:

Method	Description	Analyst	Comments
1	SW846 5035A/8260C		
2	SW846 5035A/8260C		

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	SW846 8260C Volatiles "Dry Weight Corrected"	2630 ug/kg	50.0	99	(81%-124%)
Bromofluorobenzene	SW846 8260C Volatiles "Dry Weight Corrected"	2650 ug/kg	50.0	100	(70%-130%)
Toluene-d8	SW846 8260C Volatiles "Dry Weight Corrected"	2590 ug/kg	50.0	98	(81%-120%)
1,2-Dichloroethane-d4	SW846 8260C Volatiles "Dry Weight Corrected"	52.2 ug/kg	50.0	99	(81%-124%)
Bromofluorobenzene	SW846 8260C Volatiles "Dry Weight Corrected"	51.9 ug/kg	50.0	98	(70%-130%)
Toluene-d8	SW846 8260C Volatiles "Dry Weight Corrected"	67.6 ug/kg	50.0	128*	(81%-120%)

Notes:

Column headers are defined as follows:

DF: Dilution Factor

Lc/LC: Critical Level

DL: Detection Limit

PF: Prep Factor

MDA: Minimum Detectable Activity

RL: Reporting Limit

MDC: Minimum Detectable Concentration

SQL: Sample Quantitation Limit

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: August 22, 2018

Company : URS
Address : 2425 River Road (c/o SPRU DP)

Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: S18	Project: URSC00211
Sample ID: 456917002	Client ID: URSC013
Matrix: Soil	
Collect Date: 09-AUG-18 08:22	
Receive Date: 10-AUG-18	
Collector: Client	
Moisture: 8.67%	

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Volatile Organics												
SW846 8260C Volatiles "Dry Weight Corrected"												
1,1,1-Trichloroethane	U	ND	16.1	107	ug/kg	0.980	50	JP1	08/18/18	0656	1794368	1
1,1,2,2-Tetrachloroethane	U	ND	16.1	107	ug/kg	0.980	50					
1,1,2-Trichloroethane	U	ND	16.1	107	ug/kg	0.980	50					
1,1-Dichloroethane	U	ND	16.1	107	ug/kg	0.980	50					
1,1-Dichloroethylene	U	ND	16.1	107	ug/kg	0.980	50					
1,2,3-Trichlorobenzene	U	ND	16.1	107	ug/kg	0.980	50					
1,2,4-Trichlorobenzene	U	ND	16.1	107	ug/kg	0.980	50					
1,2-Dibromo-3-chloropropane	U	ND	26.8	107	ug/kg	0.980	50					
1,2-Dibromoethane	U	ND	16.1	107	ug/kg	0.980	50					
1,2-Dichlorobenzene	U	ND	16.1	107	ug/kg	0.980	50					
1,2-Dichloroethane	U	ND	16.1	107	ug/kg	0.980	50					
1,2-Dichloropropane	U	ND	16.1	107	ug/kg	0.980	50					
1,3-Dichlorobenzene	U	ND	16.1	107	ug/kg	0.980	50					
1,4-Dichlorobenzene	U	ND	16.1	107	ug/kg	0.980	50					
1,4-Dioxane	U	ND	805	2680	ug/kg	0.980	50					
2-Butanone	U	ND	161	537	ug/kg	0.980	50					
2-Hexanone	U	ND	161	537	ug/kg	0.980	50					
4-Methyl-2-pentanone	U	ND	161	537	ug/kg	0.980	50					
Acetone	U	ND	161	537	ug/kg	0.980	50					
Benzene	U	ND	16.1	107	ug/kg	0.980	50					
Bromochloromethane	U	ND	16.1	107	ug/kg	0.980	50					
Bromodichloromethane	U	ND	16.1	107	ug/kg	0.980	50					
Bromoform	U	ND	16.1	107	ug/kg	0.980	50					
Bromomethane	U	ND	16.1	107	ug/kg	0.980	50					
Carbon disulfide	U	ND	85.9	537	ug/kg	0.980	50					
Carbon tetrachloride	U	ND	16.1	107	ug/kg	0.980	50					
Chlorobenzene	U	ND	16.1	107	ug/kg	0.980	50					
Chloroethane	U	ND	16.1	107	ug/kg	0.980	50					
Chloroform	U	ND	16.1	107	ug/kg	0.980	50					
Chloromethane	U	ND	16.1	107	ug/kg	0.980	50					
Cyclohexane	U	ND	16.1	107	ug/kg	0.980	50					
Dibromochloromethane	U	ND	16.1	107	ug/kg	0.980	50					
Dichlorodifluoromethane	U	ND	16.1	107	ug/kg	0.980	50					
Ethylbenzene	U	ND	16.1	107	ug/kg	0.980	50					
Isopropylbenzene	U	ND	16.1	107	ug/kg	0.980	50					
Methyl acetate	U	ND	80.5	268	ug/kg	0.980	50					

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Certificate of Analysis

Report Date: August 22, 2018

Company : URS
Address : 2425 River Road (c/o SPRU DP)

Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: S18

Project: URSC00211

Sample ID: 456917002

Client ID: URSC013

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Volatile Organics												
SW846 8260C Volatiles "Dry Weight Corrected"												
Methylcyclohexane	U	ND	16.1	107	ug/kg	0.980	50					
Methylene chloride	U	ND	85.9	268	ug/kg	0.980	50					
Styrene	U	ND	16.1	107	ug/kg	0.980	50					
Tetrachloroethylene	U	ND	16.1	107	ug/kg	0.980	50					
Toluene	U	ND	16.1	107	ug/kg	0.980	50					
Trichloroethylene	J	32.2	16.1	107	ug/kg	0.980	50					
Trichlorofluoromethane	U	ND	16.1	107	ug/kg	0.980	50					
Trichlorotrifluoroethane	U	ND	85.9	268	ug/kg	0.980	50					
Vinyl chloride	U	ND	16.1	107	ug/kg	0.980	50					
cis-1,2-Dichloroethylene	U	ND	16.1	107	ug/kg	0.980	50					
cis-1,3-Dichloropropylene	U	ND	16.1	107	ug/kg	0.980	50					
m,p-Xylenes	U	ND	16.1	215	ug/kg	0.980	50					
o-Xylene	U	ND	16.1	107	ug/kg	0.980	50					
tert-Butyl methyl ether	U	ND	16.1	107	ug/kg	0.980	50					
trans-1,2-Dichloroethylene	U	ND	16.1	107	ug/kg	0.980	50					
trans-1,3-Dichloropropylene	U	ND	16.1	107	ug/kg	0.980	50					
1,1,1-Trichloroethane	U	ND	0.316	2.11	ug/kg	0.962	1	JP1	08/20/18	1248	1794368	2
1,1,2,2-Tetrachloroethane	U	ND	0.316	2.11	ug/kg	0.962	1					
1,1,2-Trichloroethane	U	ND	0.316	2.11	ug/kg	0.962	1					
1,1-Dichloroethane	U	ND	0.316	2.11	ug/kg	0.962	1					
1,1-Dichloroethylene	U	ND	0.316	2.11	ug/kg	0.962	1					
1,2,3-Trichlorobenzene	J	1.21	0.316	2.11	ug/kg	0.962	1					
1,2,4-Trichlorobenzene	J	1.07	0.316	2.11	ug/kg	0.962	1					
1,2-Dibromo-3-chloropropane	U	ND	0.526	2.11	ug/kg	0.962	1					
1,2-Dibromoethane	U	ND	0.316	2.11	ug/kg	0.962	1					
1,2-Dichlorobenzene	U	ND	0.316	2.11	ug/kg	0.962	1					
1,2-Dichloroethane	U	ND	0.316	2.11	ug/kg	0.962	1					
1,2-Dichloropropane	U	ND	0.316	2.11	ug/kg	0.962	1					
1,3-Dichlorobenzene	J	0.379	0.316	2.11	ug/kg	0.962	1					
1,4-Dichlorobenzene	J	0.705	0.316	2.11	ug/kg	0.962	1					
1,4-Dioxane	U	ND	15.8	52.6	ug/kg	0.962	1					
2-Butanone	U	ND	3.16	10.5	ug/kg	0.962	1					
2-Hexanone	U	ND	3.16	10.5	ug/kg	0.962	1					
4-Methyl-2-pentanone	U	ND	3.16	10.5	ug/kg	0.962	1					
Acetone	U	ND	3.16	10.5	ug/kg	0.962	1					
Benzene	U	ND	0.316	2.11	ug/kg	0.962	1					

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: August 22, 2018

Company : URS
Address : 2425 River Road (c/o SPRU DP)

Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: S18	Project: URSC00211
Sample ID: 456917002	Client ID: URSC013

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Volatile Organics												
SW846 8260C Volatiles "Dry Weight Corrected"												
Bromochloromethane	U	ND	0.316	2.11	ug/kg	0.962	1					
Bromodichloromethane	U	ND	0.316	2.11	ug/kg	0.962	1					
Bromoform	U	ND	0.316	2.11	ug/kg	0.962	1					
Bromomethane	U	ND	0.316	2.11	ug/kg	0.962	1					
Carbon disulfide	U	ND	1.68	10.5	ug/kg	0.962	1					
Carbon tetrachloride	U	ND	0.316	2.11	ug/kg	0.962	1					
Chlorobenzene	U	ND	0.316	2.11	ug/kg	0.962	1					
Chloroethane	U	ND	0.316	2.11	ug/kg	0.962	1					
Chloroform	J	1.48	0.316	2.11	ug/kg	0.962	1					
Chloromethane	U	ND	0.316	2.11	ug/kg	0.962	1					
Cyclohexane	U	ND	0.316	2.11	ug/kg	0.962	1					
Dibromochloromethane	U	ND	0.316	2.11	ug/kg	0.962	1					
Dichlorodifluoromethane	U	ND	0.316	2.11	ug/kg	0.962	1					
Ethylbenzene	U	ND	0.316	2.11	ug/kg	0.962	1					
Isopropylbenzene	U	ND	0.316	2.11	ug/kg	0.962	1					
Methyl acetate	U	ND	1.58	5.26	ug/kg	0.962	1					
Methylcyclohexane	U	ND	0.316	2.11	ug/kg	0.962	1					
Methylene chloride		10.1	1.68	5.26	ug/kg	0.962	1					
Styrene	U	ND	0.316	2.11	ug/kg	0.962	1					
Tetrachloroethylene	U	ND	0.316	2.11	ug/kg	0.962	1					
Toluene	U	ND	0.316	2.11	ug/kg	0.962	1					
Trichloroethylene	J	1.72	0.316	2.11	ug/kg	0.962	1					
Trichlorofluoromethane	J	0.537	0.316	2.11	ug/kg	0.962	1					
Trichlorotrifluoroethane	U	ND	1.68	5.26	ug/kg	0.962	1					
Vinyl chloride	U	ND	0.316	2.11	ug/kg	0.962	1					
cis-1,2-Dichloroethylene	J	0.368	0.316	2.11	ug/kg	0.962	1					
cis-1,3-Dichloropropylene	U	ND	0.316	2.11	ug/kg	0.962	1					
m,p-Xylenes	U	ND	0.316	4.21	ug/kg	0.962	1					
o-Xylene	U	ND	0.316	2.11	ug/kg	0.962	1					
tert-Butyl methyl ether	U	ND	0.316	2.11	ug/kg	0.962	1					
trans-1,2-Dichloroethylene	U	ND	0.316	2.11	ug/kg	0.962	1					
trans-1,3-Dichloropropylene	U	ND	0.316	2.11	ug/kg	0.962	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 5035A	5035A/8260C Prep	JP1	08/17/18	2204	1794367

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: August 22, 2018

Company : URS
Address : 2425 River Road (c/o SPRU DP)

Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: S18

Project: URSC00211

Sample ID: 456917002

Client ID: URSC013

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time Batch	Method
SW846 5035A	5035A/8260C	Prep		JP1	08/20/18		1056		1794367		

The following Analytical Methods were performed:

Method	Description	Analyst	Comments
1	SW846 5035A/8260C		
2	SW846 5035A/8260C		

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	SW846 8260C Volatiles "Dry Weight Corrected"	2700 ug/kg	50.0	101	(81%-124%)
Bromofluorobenzene	SW846 8260C Volatiles "Dry Weight Corrected"	2510 ug/kg	50.0	94	(70%-130%)
Toluene-d8	SW846 8260C Volatiles "Dry Weight Corrected"	2660 ug/kg	50.0	99	(81%-120%)
1,2-Dichloroethane-d4	SW846 8260C Volatiles "Dry Weight Corrected"	60.2 ug/kg	50.0	114	(81%-124%)
Bromofluorobenzene	SW846 8260C Volatiles "Dry Weight Corrected"	56.0 ug/kg	50.0	106	(70%-130%)
Toluene-d8	SW846 8260C Volatiles "Dry Weight Corrected"	77.0 ug/kg	50.0	146*	(81%-120%)

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration

Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454944
Lab Sample ID: 454944008

Client ID: S19
Batch ID: 1785349
Run Date: 07/24/2018 18:30
Prep Date: 07/24/2018 13:20
Data File: 072418V3\3R218.D

Date Collected: 07/18/2018 13:50
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.6
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	109	ug/kg	16.4	109
79-34-5	1,1,2,2-Tetrachloroethane	U	109	ug/kg	16.4	109
79-00-5	1,1,2-Trichloroethane	U	109	ug/kg	16.4	109
75-34-3	1,1-Dichloroethane	U	109	ug/kg	16.4	109
75-35-4	1,1-Dichloroethylene	U	109	ug/kg	16.4	109
87-61-6	1,2,3-Trichlorobenzene	U	109	ug/kg	16.4	109
120-82-1	1,2,4-Trichlorobenzene	U	109	ug/kg	16.4	109
96-12-8	1,2-Dibromo-3-chloropropane	U	109	ug/kg	27.4	109
106-93-4	1,2-Dibromoethane	U	109	ug/kg	16.4	109
95-50-1	1,2-Dichlorobenzene	U	109	ug/kg	16.4	109
107-06-2	1,2-Dichloroethane	U	109	ug/kg	16.4	109
78-87-5	1,2-Dichloropropane	U	109	ug/kg	16.4	109
541-73-1	1,3-Dichlorobenzene	U	109	ug/kg	16.4	109
106-46-7	1,4-Dichlorobenzene	U	109	ug/kg	16.4	109
123-91-1	1,4-Dioxane	U	2740	ug/kg	821	2740
78-93-3	2-Butanone	U	547	ug/kg	164	547
591-78-6	2-Hexanone	U	547	ug/kg	164	547
108-10-1	4-Methyl-2-pentanone	U	547	ug/kg	164	547
67-64-1	Acetone	U	547	ug/kg	164	547
71-43-2	Benzene	U	109	ug/kg	16.4	109
74-97-5	Bromochloromethane	U	109	ug/kg	16.4	109
75-27-4	Bromodichloromethane	U	109	ug/kg	16.4	109
75-25-2	Bromoform	U	109	ug/kg	16.4	109
74-83-9	Bromomethane	U	109	ug/kg	16.4	109
75-15-0	Carbon disulfide	U	547	ug/kg	87.6	547
56-23-5	Carbon tetrachloride	U	109	ug/kg	16.4	109
108-90-7	Chlorobenzene	U	109	ug/kg	16.4	109
75-00-3	Chloroethane	U	109	ug/kg	16.4	109
67-66-3	Chloroform	U	109	ug/kg	16.4	109
74-87-3	Chloromethane	U	109	ug/kg	16.4	109
110-82-7	Cyclohexane	U	109	ug/kg	16.4	109
124-48-1	Dibromochloromethane	U	109	ug/kg	16.4	109
75-71-8	Dichlorodifluoromethane	U	109	ug/kg	16.4	109
100-41-4	Ethylbenzene	U	109	ug/kg	16.4	109
98-82-8	Isopropylbenzene	U	109	ug/kg	16.4	109
79-20-9	Methyl acetate	U	274	ug/kg	82.1	274
108-87-2	Methylcyclohexane	U	109	ug/kg	16.4	109
75-09-2	Methylene chloride	U	274	ug/kg	87.6	274

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454944
Lab Sample ID: 454944008

Client ID: S19
Batch ID: 1785349
Run Date: 07/24/2018 18:30
Prep Date: 07/24/2018 13:20
Data File: 072418V3\3R218.D

Date Collected: 07/18/2018 13:50
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.6
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	109	ug/kg	16.4	109
127-18-4	Tetrachloroethylene	U	109	ug/kg	16.4	109
108-88-3	Toluene	U	109	ug/kg	16.4	109
79-01-6	Trichloroethylene	U	109	ug/kg	16.4	109
75-69-4	Trichlorofluoromethane	U	109	ug/kg	16.4	109
76-13-1	Trichlorotrifluoroethane	U	274	ug/kg	87.6	274
75-01-4	Vinyl chloride	U	109	ug/kg	16.4	109
156-59-2	cis-1,2-Dichloroethylene	U	109	ug/kg	16.4	109
10061-01-5	cis-1,3-Dichloropropylene	U	109	ug/kg	16.4	109
179601-23-1	m,p-Xylenes	U	219	ug/kg	16.4	219
95-47-6	o-Xylene	U	109	ug/kg	16.4	109
1634-04-4	tert-Butyl methyl ether	U	109	ug/kg	16.4	109
156-60-5	trans-1,2-Dichloroethylene	U	109	ug/kg	16.4	109
10061-02-6	trans-1,3-Dichloropropylene	U	109	ug/kg	16.4	109

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454944
Lab Sample ID: 454944008

Client ID: S19RE
Batch ID: 1785349
Run Date: 07/27/2018 18:28
Prep Date: 07/27/2018 11:08
Data File: 072718V3\3R516.D

Date Collected: 07/18/2018 13:50
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.5 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.6
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	1.99	ug/kg	0.299	1.99
79-34-5	1,1,2,2-Tetrachloroethane	U	1.99	ug/kg	0.299	1.99
79-00-5	1,1,2-Trichloroethane	U	1.99	ug/kg	0.299	1.99
75-34-3	1,1-Dichloroethane	U	1.99	ug/kg	0.299	1.99
75-35-4	1,1-Dichloroethylene	U	1.99	ug/kg	0.299	1.99
87-61-6	1,2,3-Trichlorobenzene	U	1.99	ug/kg	0.299	1.99
120-82-1	1,2,4-Trichlorobenzene	U	1.99	ug/kg	0.299	1.99
96-12-8	1,2-Dibromo-3-chloropropane	U	1.99	ug/kg	0.498	1.99
106-93-4	1,2-Dibromoethane	U	1.99	ug/kg	0.299	1.99
95-50-1	1,2-Dichlorobenzene	U	1.99	ug/kg	0.299	1.99
107-06-2	1,2-Dichloroethane	U	1.99	ug/kg	0.299	1.99
78-87-5	1,2-Dichloropropane	U	1.99	ug/kg	0.299	1.99
541-73-1	1,3-Dichlorobenzene	U	1.99	ug/kg	0.299	1.99
106-46-7	1,4-Dichlorobenzene	U	1.99	ug/kg	0.299	1.99
123-91-1	1,4-Dioxane	U	49.8	ug/kg	14.9	49.8
78-93-3	2-Butanone	U	9.95	ug/kg	2.99	9.95
591-78-6	2-Hexanone	U	9.95	ug/kg	2.99	9.95
108-10-1	4-Methyl-2-pentanone	U	9.95	ug/kg	2.99	9.95
67-64-1	Acetone	U	9.95	ug/kg	2.99	9.95
71-43-2	Benzene	U	1.99	ug/kg	0.299	1.99
74-97-5	Bromochloromethane	U	1.99	ug/kg	0.299	1.99
75-27-4	Bromodichloromethane	U	1.99	ug/kg	0.299	1.99
75-25-2	Bromoform	U	1.99	ug/kg	0.299	1.99
74-83-9	Bromomethane	U	1.99	ug/kg	0.299	1.99
75-15-0	Carbon disulfide	U	9.95	ug/kg	1.59	9.95
56-23-5	Carbon tetrachloride	U	1.99	ug/kg	0.299	1.99
108-90-7	Chlorobenzene	U	1.99	ug/kg	0.299	1.99
75-00-3	Chloroethane	U	1.99	ug/kg	0.299	1.99
67-66-3	Chloroform	U	1.99	ug/kg	0.299	1.99
74-87-3	Chloromethane	U	1.99	ug/kg	0.299	1.99
110-82-7	Cyclohexane	U	1.99	ug/kg	0.299	1.99
124-48-1	Dibromochloromethane	U	1.99	ug/kg	0.299	1.99
75-71-8	Dichlorodifluoromethane	U	1.99	ug/kg	0.299	1.99
100-41-4	Ethylbenzene	U	1.99	ug/kg	0.299	1.99
98-82-8	Isopropylbenzene	U	1.99	ug/kg	0.299	1.99
79-20-9	Methyl acetate	U	4.98	ug/kg	1.49	4.98
108-87-2	Methylcyclohexane	U	1.99	ug/kg	0.299	1.99
75-09-2	Methylene chloride	U	4.98	ug/kg	1.59	4.98

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454944
Lab Sample ID: 454944008

Client ID: S19RE
Batch ID: 1785349
Run Date: 07/27/2018 18:28
Prep Date: 07/27/2018 11:08
Data File: 072718V3\3R516.D

Date Collected: 07/18/2018 13:50
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.5 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.6
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	1.99	ug/kg	0.299	1.99
127-18-4	Tetrachloroethylene	U	1.99	ug/kg	0.299	1.99
108-88-3	Toluene	U	1.99	ug/kg	0.299	1.99
79-01-6	Trichloroethylene	U	1.99	ug/kg	0.299	1.99
75-69-4	Trichlorofluoromethane	U	1.99	ug/kg	0.299	1.99
76-13-1	Trichlorotrifluoroethane	U	4.98	ug/kg	1.59	4.98
75-01-4	Vinyl chloride	U	1.99	ug/kg	0.299	1.99
156-59-2	cis-1,2-Dichloroethylene	U	1.99	ug/kg	0.299	1.99
10061-01-5	cis-1,3-Dichloropropylene	U	1.99	ug/kg	0.299	1.99
179601-23-1	m,p-Xylenes	U	3.98	ug/kg	0.299	3.98
95-47-6	o-Xylene	U	1.99	ug/kg	0.299	1.99
1634-04-4	tert-Butyl methyl ether	U	1.99	ug/kg	0.299	1.99
156-60-5	trans-1,2-Dichloroethylene	U	1.99	ug/kg	0.299	1.99
10061-02-6	trans-1,3-Dichloropropylene	U	1.99	ug/kg	0.299	1.99

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454474
Lab Sample ID: 454474002

Client ID: SET01
Batch ID: 1782981
Run Date: 07/18/2018 15:37
Prep Date: 07/18/2018 12:21
Data File: 071818V3\3Q313.D

Date Collected: 07/10/2018 14:40
Date Received: 07/12/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 3.2
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	103	ug/kg	15.5	103
79-34-5	1,1,2,2-Tetrachloroethane	U	103	ug/kg	15.5	103
79-00-5	1,1,2-Trichloroethane	U	103	ug/kg	15.5	103
75-34-3	1,1-Dichloroethane	U	103	ug/kg	15.5	103
75-35-4	1,1-Dichloroethylene	U	103	ug/kg	15.5	103
87-61-6	1,2,3-Trichlorobenzene	U	103	ug/kg	15.5	103
120-82-1	1,2,4-Trichlorobenzene	U	103	ug/kg	15.5	103
96-12-8	1,2-Dibromo-3-chloropropane	U	103	ug/kg	25.8	103
106-93-4	1,2-Dibromoethane	U	103	ug/kg	15.5	103
95-50-1	1,2-Dichlorobenzene	U	103	ug/kg	15.5	103
107-06-2	1,2-Dichloroethane	U	103	ug/kg	15.5	103
78-87-5	1,2-Dichloropropane	U	103	ug/kg	15.5	103
541-73-1	1,3-Dichlorobenzene	U	103	ug/kg	15.5	103
106-46-7	1,4-Dichlorobenzene	U	103	ug/kg	15.5	103
123-91-1	1,4-Dioxane	U	2580	ug/kg	774	2580
78-93-3	2-Butanone	U	516	ug/kg	155	516
591-78-6	2-Hexanone	U	516	ug/kg	155	516
108-10-1	4-Methyl-2-pentanone	U	516	ug/kg	155	516
67-64-1	Acetone	U	516	ug/kg	155	516
71-43-2	Benzene	U	103	ug/kg	15.5	103
74-97-5	Bromochloromethane	U	103	ug/kg	15.5	103
75-27-4	Bromodichloromethane	U	103	ug/kg	15.5	103
75-25-2	Bromoform	U	103	ug/kg	15.5	103
74-83-9	Bromomethane	U	103	ug/kg	15.5	103
75-15-0	Carbon disulfide	U	516	ug/kg	82.6	516
56-23-5	Carbon tetrachloride	U	103	ug/kg	15.5	103
108-90-7	Chlorobenzene	U	103	ug/kg	15.5	103
75-00-3	Chloroethane	U	103	ug/kg	15.5	103
67-66-3	Chloroform	U	103	ug/kg	15.5	103
74-87-3	Chloromethane	U	103	ug/kg	15.5	103
110-82-7	Cyclohexane	U	103	ug/kg	15.5	103
124-48-1	Dibromochloromethane	U	103	ug/kg	15.5	103
75-71-8	Dichlorodifluoromethane	U	103	ug/kg	15.5	103
100-41-4	Ethylbenzene	U	103	ug/kg	15.5	103
98-82-8	Isopropylbenzene	U	103	ug/kg	15.5	103
79-20-9	Methyl acetate	U	258	ug/kg	77.4	258
108-87-2	Methylcyclohexane	U	103	ug/kg	15.5	103
75-09-2	Methylene chloride	U	258	ug/kg	82.6	258

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454474
Lab Sample ID: 454474002

Client ID: SET01
Batch ID: 1782981
Run Date: 07/18/2018 15:37
Prep Date: 07/18/2018 12:21
Data File: 071818V3\3Q313.D

Date Collected: 07/10/2018 14:40
Date Received: 07/12/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 3.2
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	103	ug/kg	15.5	103
127-18-4	Tetrachloroethylene	U	103	ug/kg	15.5	103
108-88-3	Toluene	U	103	ug/kg	15.5	103
79-01-6	Trichloroethylene	U	103	ug/kg	15.5	103
75-69-4	Trichlorofluoromethane	U	103	ug/kg	15.5	103
76-13-1	Trichlorotrifluoroethane	U	258	ug/kg	82.6	258
75-01-4	Vinyl chloride	U	103	ug/kg	15.5	103
156-59-2	cis-1,2-Dichloroethylene	U	103	ug/kg	15.5	103
10061-01-5	cis-1,3-Dichloropropylene	U	103	ug/kg	15.5	103
179601-23-1	m,p-Xylenes	U	207	ug/kg	15.5	207
95-47-6	o-Xylene	U	103	ug/kg	15.5	103
1634-04-4	tert-Butyl methyl ether	U	103	ug/kg	15.5	103
156-60-5	trans-1,2-Dichloroethylene	U	103	ug/kg	15.5	103
10061-02-6	trans-1,3-Dichloropropylene	U	103	ug/kg	15.5	103

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 450565
Lab Sample ID: 450565002

Client ID: SHS01
Batch ID: 1767197
Run Date: 05/22/2018 23:52
Prep Date: 05/22/2018 18:04
Data File: 052218\AJ223.D

Date Collected: 05/18/2018 10:05
Date Received: 05/19/2018 09:20
Client: URSC013
Method: SW846 8260B
Inst: VOAA.I
Analyst: JEB
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 20.6
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	1.26	ug/kg	0.420	1.26
79-34-5	1,1,2,2-Tetrachloroethane	U	1.26	ug/kg	0.420	1.26
79-00-5	1,1,2-Trichloroethane	U	1.26	ug/kg	0.420	1.26
75-34-3	1,1-Dichloroethane	U	1.26	ug/kg	0.420	1.26
75-35-4	1,1-Dichloroethylene	U	1.26	ug/kg	0.420	1.26
107-06-2	1,2-Dichloroethane	U	1.26	ug/kg	0.420	1.26
78-93-3	2-Butanone		6.92	ug/kg	2.10	6.30
591-78-6	2-Hexanone	U	6.30	ug/kg	2.10	6.30
108-10-1	4-Methyl-2-pentanone	U	6.30	ug/kg	2.10	6.30
67-64-1	Acetone		74.4	ug/kg	2.10	6.30
71-43-2	Benzene	U	1.26	ug/kg	0.420	1.26
75-15-0	Carbon disulfide	U	6.30	ug/kg	2.10	6.30
56-23-5	Carbon tetrachloride	U	1.26	ug/kg	0.420	1.26
108-90-7	Chlorobenzene	U	1.26	ug/kg	0.420	1.26
75-00-3	Chloroethane	U	1.26	ug/kg	0.420	1.26
67-66-3	Chloroform	U	1.26	ug/kg	0.420	1.26
74-87-3	Chloromethane	U	1.26	ug/kg	0.420	1.26
100-41-4	Ethylbenzene	U	1.26	ug/kg	0.420	1.26
75-09-2	Methylene chloride	U	6.30	ug/kg	2.10	6.30
100-42-5	Styrene	U	1.26	ug/kg	0.420	1.26
127-18-4	Tetrachloroethylene	U	1.26	ug/kg	0.420	1.26
108-88-3	Toluene	U	1.26	ug/kg	0.420	1.26
79-01-6	Trichloroethylene	U	1.26	ug/kg	0.420	1.26
76-13-1	Trichlorotrifluoroethane	U	6.30	ug/kg	2.10	6.30
108-05-4	Vinyl acetate	U	6.30	ug/kg	2.10	6.30
75-01-4	Vinyl chloride	U	1.26	ug/kg	0.420	1.26
1330-20-7	Xylenes (total)	U	3.78	ug/kg	1.26	3.78
156-59-2	cis-1,2-Dichloroethylene	U	1.26	ug/kg	0.420	1.26
156-60-5	trans-1,2-Dichloroethylene	U	1.26	ug/kg	0.420	1.26

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454474
Lab Sample ID: 454474001

Client ID: SHS01
Batch ID: 1782981
Run Date: 07/18/2018 15:06
Prep Date: 07/18/2018 12:20
Data File: 071818V3\3Q312.D

Date Collected: 07/10/2018 14:30
Date Received: 07/12/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 3.1
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	103	ug/kg	15.5	103
79-34-5	1,1,2,2-Tetrachloroethane	U	103	ug/kg	15.5	103
79-00-5	1,1,2-Trichloroethane	U	103	ug/kg	15.5	103
75-34-3	1,1-Dichloroethane	U	103	ug/kg	15.5	103
75-35-4	1,1-Dichloroethylene	U	103	ug/kg	15.5	103
87-61-6	1,2,3-Trichlorobenzene	U	103	ug/kg	15.5	103
120-82-1	1,2,4-Trichlorobenzene	U	103	ug/kg	15.5	103
96-12-8	1,2-Dibromo-3-chloropropane	U	103	ug/kg	25.8	103
106-93-4	1,2-Dibromoethane	U	103	ug/kg	15.5	103
95-50-1	1,2-Dichlorobenzene	U	103	ug/kg	15.5	103
107-06-2	1,2-Dichloroethane	U	103	ug/kg	15.5	103
78-87-5	1,2-Dichloropropane	U	103	ug/kg	15.5	103
541-73-1	1,3-Dichlorobenzene	U	103	ug/kg	15.5	103
106-46-7	1,4-Dichlorobenzene	U	103	ug/kg	15.5	103
123-91-1	1,4-Dioxane	U	2580	ug/kg	774	2580
78-93-3	2-Butanone	U	516	ug/kg	155	516
591-78-6	2-Hexanone	U	516	ug/kg	155	516
108-10-1	4-Methyl-2-pentanone	U	516	ug/kg	155	516
67-64-1	Acetone	U	516	ug/kg	155	516
71-43-2	Benzene	U	103	ug/kg	15.5	103
74-97-5	Bromochloromethane	U	103	ug/kg	15.5	103
75-27-4	Bromodichloromethane	U	103	ug/kg	15.5	103
75-25-2	Bromoform	U	103	ug/kg	15.5	103
74-83-9	Bromomethane	U	103	ug/kg	15.5	103
75-15-0	Carbon disulfide	U	516	ug/kg	82.5	516
56-23-5	Carbon tetrachloride	U	103	ug/kg	15.5	103
108-90-7	Chlorobenzene	U	103	ug/kg	15.5	103
75-00-3	Chloroethane	U	103	ug/kg	15.5	103
67-66-3	Chloroform	U	103	ug/kg	15.5	103
74-87-3	Chloromethane	U	103	ug/kg	15.5	103
110-82-7	Cyclohexane	U	103	ug/kg	15.5	103
124-48-1	Dibromochloromethane	U	103	ug/kg	15.5	103
75-71-8	Dichlorodifluoromethane	U	103	ug/kg	15.5	103
100-41-4	Ethylbenzene	U	103	ug/kg	15.5	103
98-82-8	Isopropylbenzene	U	103	ug/kg	15.5	103
79-20-9	Methyl acetate	U	258	ug/kg	77.4	258
108-87-2	Methylcyclohexane	U	103	ug/kg	15.5	103
75-09-2	Methylene chloride	U	258	ug/kg	82.5	258

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454474
Lab Sample ID: 454474001

Client ID: SHS01
Batch ID: 1782981
Run Date: 07/18/2018 15:06
Prep Date: 07/18/2018 12:20
Data File: 071818V3\3Q312.D

Date Collected: 07/10/2018 14:30
Date Received: 07/12/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 3.1
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	103	ug/kg	15.5	103
127-18-4	Tetrachloroethylene	U	103	ug/kg	15.5	103
108-88-3	Toluene	U	103	ug/kg	15.5	103
79-01-6	Trichloroethylene	U	103	ug/kg	15.5	103
75-69-4	Trichlorofluoromethane	U	103	ug/kg	15.5	103
76-13-1	Trichlorotrifluoroethane	U	258	ug/kg	82.5	258
75-01-4	Vinyl chloride	U	103	ug/kg	15.5	103
156-59-2	cis-1,2-Dichloroethylene	U	103	ug/kg	15.5	103
10061-01-5	cis-1,3-Dichloropropylene	U	103	ug/kg	15.5	103
179601-23-1	m,p-Xylenes	U	206	ug/kg	15.5	206
95-47-6	o-Xylene	U	103	ug/kg	15.5	103
1634-04-4	tert-Butyl methyl ether	U	103	ug/kg	15.5	103
156-60-5	trans-1,2-Dichloroethylene	U	103	ug/kg	15.5	103
10061-02-6	trans-1,3-Dichloropropylene	U	103	ug/kg	15.5	103

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454715
Lab Sample ID: 454715001

Client ID: SW01
Batch ID: 1782981
Run Date: 07/18/2018 18:12
Prep Date: 07/18/2018 12:27
Data File: 071818V3\3Q318.D

Date Collected: 07/16/2018 14:05
Date Received: 07/17/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.6
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	106	ug/kg	15.9	106
79-34-5	1,1,2,2-Tetrachloroethane	U	106	ug/kg	15.9	106
79-00-5	1,1,2-Trichloroethane	U	106	ug/kg	15.9	106
75-34-3	1,1-Dichloroethane	U	106	ug/kg	15.9	106
75-35-4	1,1-Dichloroethylene	U	106	ug/kg	15.9	106
87-61-6	1,2,3-Trichlorobenzene	U	106	ug/kg	15.9	106
120-82-1	1,2,4-Trichlorobenzene	U	106	ug/kg	15.9	106
96-12-8	1,2-Dibromo-3-chloropropane	U	106	ug/kg	26.5	106
106-93-4	1,2-Dibromoethane	U	106	ug/kg	15.9	106
95-50-1	1,2-Dichlorobenzene	U	106	ug/kg	15.9	106
107-06-2	1,2-Dichloroethane	U	106	ug/kg	15.9	106
78-87-5	1,2-Dichloropropane	U	106	ug/kg	15.9	106
541-73-1	1,3-Dichlorobenzene	U	106	ug/kg	15.9	106
106-46-7	1,4-Dichlorobenzene	U	106	ug/kg	15.9	106
123-91-1	1,4-Dioxane	U	2650	ug/kg	796	2650
78-93-3	2-Butanone	U	530	ug/kg	159	530
591-78-6	2-Hexanone	U	530	ug/kg	159	530
108-10-1	4-Methyl-2-pentanone	U	530	ug/kg	159	530
67-64-1	Acetone	U	530	ug/kg	159	530
71-43-2	Benzene	U	106	ug/kg	15.9	106
74-97-5	Bromochloromethane	U	106	ug/kg	15.9	106
75-27-4	Bromodichloromethane	U	106	ug/kg	15.9	106
75-25-2	Bromoform	U	106	ug/kg	15.9	106
74-83-9	Bromomethane	U	106	ug/kg	15.9	106
75-15-0	Carbon disulfide	U	530	ug/kg	84.9	530
56-23-5	Carbon tetrachloride	U	106	ug/kg	15.9	106
108-90-7	Chlorobenzene	U	106	ug/kg	15.9	106
75-00-3	Chloroethane	U	106	ug/kg	15.9	106
67-66-3	Chloroform	U	106	ug/kg	15.9	106
74-87-3	Chloromethane	U	106	ug/kg	15.9	106
110-82-7	Cyclohexane	U	106	ug/kg	15.9	106
124-48-1	Dibromochloromethane	U	106	ug/kg	15.9	106
75-71-8	Dichlorodifluoromethane	U	106	ug/kg	15.9	106
100-41-4	Ethylbenzene	U	106	ug/kg	15.9	106
98-82-8	Isopropylbenzene	U	106	ug/kg	15.9	106
79-20-9	Methyl acetate	U	265	ug/kg	79.6	265
108-87-2	Methylcyclohexane	U	106	ug/kg	15.9	106
75-09-2	Methylene chloride	U	265	ug/kg	84.9	265

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454715
Lab Sample ID: 454715001

Client ID: SW01
Batch ID: 1782981
Run Date: 07/18/2018 18:12
Prep Date: 07/18/2018 12:27
Data File: 071818V3\3Q318.D

Date Collected: 07/16/2018 14:05
Date Received: 07/17/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.6
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	106	ug/kg	15.9	106
127-18-4	Tetrachloroethylene	U	106	ug/kg	15.9	106
108-88-3	Toluene	U	106	ug/kg	15.9	106
79-01-6	Trichloroethylene	U	106	ug/kg	15.9	106
75-69-4	Trichlorofluoromethane	U	106	ug/kg	15.9	106
76-13-1	Trichlorotrifluoroethane	U	265	ug/kg	84.9	265
75-01-4	Vinyl chloride	U	106	ug/kg	15.9	106
156-59-2	cis-1,2-Dichloroethylene	U	106	ug/kg	15.9	106
10061-01-5	cis-1,3-Dichloropropylene	U	106	ug/kg	15.9	106
179601-23-1	m,p-Xylenes	U	212	ug/kg	15.9	212
95-47-6	o-Xylene	U	106	ug/kg	15.9	106
1634-04-4	tert-Butyl methyl ether	U	106	ug/kg	15.9	106
156-60-5	trans-1,2-Dichloroethylene	U	106	ug/kg	15.9	106
10061-02-6	trans-1,3-Dichloropropylene	U	106	ug/kg	15.9	106

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454715
Lab Sample ID: 454715002

Client ID: SW02
Batch ID: 1782981
Run Date: 07/18/2018 18:44
Prep Date: 07/18/2018 12:28
Data File: 071818V3\3Q319.D

Date Collected: 07/16/2018 14:25
Date Received: 07/17/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.2 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.3
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	104	ug/kg	15.6	104
79-34-5	1,1,2,2-Tetrachloroethane	U	104	ug/kg	15.6	104
79-00-5	1,1,2-Trichloroethane	U	104	ug/kg	15.6	104
75-34-3	1,1-Dichloroethane	U	104	ug/kg	15.6	104
75-35-4	1,1-Dichloroethylene	U	104	ug/kg	15.6	104
87-61-6	1,2,3-Trichlorobenzene	U	104	ug/kg	15.6	104
120-82-1	1,2,4-Trichlorobenzene	U	104	ug/kg	15.6	104
96-12-8	1,2-Dibromo-3-chloropropane	U	104	ug/kg	25.9	104
106-93-4	1,2-Dibromoethane	U	104	ug/kg	15.6	104
95-50-1	1,2-Dichlorobenzene	U	104	ug/kg	15.6	104
107-06-2	1,2-Dichloroethane	U	104	ug/kg	15.6	104
78-87-5	1,2-Dichloropropane	U	104	ug/kg	15.6	104
541-73-1	1,3-Dichlorobenzene	U	104	ug/kg	15.6	104
106-46-7	1,4-Dichlorobenzene	U	104	ug/kg	15.6	104
123-91-1	1,4-Dioxane	U	2590	ug/kg	778	2590
78-93-3	2-Butanone	U	519	ug/kg	156	519
591-78-6	2-Hexanone	U	519	ug/kg	156	519
108-10-1	4-Methyl-2-pentanone	U	519	ug/kg	156	519
67-64-1	Acetone	U	519	ug/kg	156	519
71-43-2	Benzene	U	104	ug/kg	15.6	104
74-97-5	Bromochloromethane	U	104	ug/kg	15.6	104
75-27-4	Bromodichloromethane	U	104	ug/kg	15.6	104
75-25-2	Bromoform	U	104	ug/kg	15.6	104
74-83-9	Bromomethane	U	104	ug/kg	15.6	104
75-15-0	Carbon disulfide	U	519	ug/kg	83.0	519
56-23-5	Carbon tetrachloride	U	104	ug/kg	15.6	104
108-90-7	Chlorobenzene	U	104	ug/kg	15.6	104
75-00-3	Chloroethane	U	104	ug/kg	15.6	104
67-66-3	Chloroform	U	104	ug/kg	15.6	104
74-87-3	Chloromethane	U	104	ug/kg	15.6	104
110-82-7	Cyclohexane	U	104	ug/kg	15.6	104
124-48-1	Dibromochloromethane	U	104	ug/kg	15.6	104
75-71-8	Dichlorodifluoromethane	U	104	ug/kg	15.6	104
100-41-4	Ethylbenzene	U	104	ug/kg	15.6	104
98-82-8	Isopropylbenzene	U	104	ug/kg	15.6	104
79-20-9	Methyl acetate	U	259	ug/kg	77.8	259
108-87-2	Methylcyclohexane	U	104	ug/kg	15.6	104
75-09-2	Methylene chloride	U	259	ug/kg	83.0	259

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454715
Lab Sample ID: 454715002

Client ID: SW02
Batch ID: 1782981
Run Date: 07/18/2018 18:44
Prep Date: 07/18/2018 12:28
Data File: 071818V3\3Q319.D

Date Collected: 07/16/2018 14:25
Date Received: 07/17/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.2 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.3
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	104	ug/kg	15.6	104
127-18-4	Tetrachloroethylene	U	104	ug/kg	15.6	104
108-88-3	Toluene	U	104	ug/kg	15.6	104
79-01-6	Trichloroethylene	U	104	ug/kg	15.6	104
75-69-4	Trichlorofluoromethane	U	104	ug/kg	15.6	104
76-13-1	Trichlorotrifluoroethane	U	259	ug/kg	83.0	259
75-01-4	Vinyl chloride	U	104	ug/kg	15.6	104
156-59-2	cis-1,2-Dichloroethylene	U	104	ug/kg	15.6	104
10061-01-5	cis-1,3-Dichloropropylene	U	104	ug/kg	15.6	104
179601-23-1	m,p-Xylenes	U	207	ug/kg	15.6	207
95-47-6	o-Xylene	U	104	ug/kg	15.6	104
1634-04-4	tert-Butyl methyl ether	U	104	ug/kg	15.6	104
156-60-5	trans-1,2-Dichloroethylene	U	104	ug/kg	15.6	104
10061-02-6	trans-1,3-Dichloropropylene	U	104	ug/kg	15.6	104

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454715
Lab Sample ID: 454715003

Client ID: SW03
Batch ID: 1782981
Run Date: 07/18/2018 19:15
Prep Date: 07/18/2018 12:29
Data File: 071818V3\3Q320.D

Date Collected: 07/16/2018 14:55
Date Received: 07/17/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.5
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	109	ug/kg	16.4	109
79-34-5	1,1,2,2-Tetrachloroethane	U	109	ug/kg	16.4	109
79-00-5	1,1,2-Trichloroethane	U	109	ug/kg	16.4	109
75-34-3	1,1-Dichloroethane	U	109	ug/kg	16.4	109
75-35-4	1,1-Dichloroethylene	U	109	ug/kg	16.4	109
87-61-6	1,2,3-Trichlorobenzene	U	109	ug/kg	16.4	109
120-82-1	1,2,4-Trichlorobenzene	U	109	ug/kg	16.4	109
96-12-8	1,2-Dibromo-3-chloropropane	U	109	ug/kg	27.3	109
106-93-4	1,2-Dibromoethane	U	109	ug/kg	16.4	109
95-50-1	1,2-Dichlorobenzene	U	109	ug/kg	16.4	109
107-06-2	1,2-Dichloroethane	U	109	ug/kg	16.4	109
78-87-5	1,2-Dichloropropane	U	109	ug/kg	16.4	109
541-73-1	1,3-Dichlorobenzene	U	109	ug/kg	16.4	109
106-46-7	1,4-Dichlorobenzene	U	109	ug/kg	16.4	109
123-91-1	1,4-Dioxane	U	2730	ug/kg	820	2730
78-93-3	2-Butanone	U	546	ug/kg	164	546
591-78-6	2-Hexanone	U	546	ug/kg	164	546
108-10-1	4-Methyl-2-pentanone	U	546	ug/kg	164	546
67-64-1	Acetone	U	546	ug/kg	164	546
71-43-2	Benzene	U	109	ug/kg	16.4	109
74-97-5	Bromochloromethane	U	109	ug/kg	16.4	109
75-27-4	Bromodichloromethane	U	109	ug/kg	16.4	109
75-25-2	Bromoform	U	109	ug/kg	16.4	109
74-83-9	Bromomethane	U	109	ug/kg	16.4	109
75-15-0	Carbon disulfide	U	546	ug/kg	87.4	546
56-23-5	Carbon tetrachloride	U	109	ug/kg	16.4	109
108-90-7	Chlorobenzene	U	109	ug/kg	16.4	109
75-00-3	Chloroethane	U	109	ug/kg	16.4	109
67-66-3	Chloroform	U	109	ug/kg	16.4	109
74-87-3	Chloromethane	U	109	ug/kg	16.4	109
110-82-7	Cyclohexane	U	109	ug/kg	16.4	109
124-48-1	Dibromochloromethane	U	109	ug/kg	16.4	109
75-71-8	Dichlorodifluoromethane	U	109	ug/kg	16.4	109
100-41-4	Ethylbenzene	U	109	ug/kg	16.4	109
98-82-8	Isopropylbenzene	U	109	ug/kg	16.4	109
79-20-9	Methyl acetate	U	273	ug/kg	82.0	273
108-87-2	Methylcyclohexane	U	109	ug/kg	16.4	109
75-09-2	Methylene chloride	U	273	ug/kg	87.4	273

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454715
Lab Sample ID: 454715003

Client ID: SW03
Batch ID: 1782981
Run Date: 07/18/2018 19:15
Prep Date: 07/18/2018 12:29
Data File: 071818V3\3Q320.D

Date Collected: 07/16/2018 14:55
Date Received: 07/17/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.5
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	109	ug/kg	16.4	109
127-18-4	Tetrachloroethylene	U	109	ug/kg	16.4	109
108-88-3	Toluene	U	109	ug/kg	16.4	109
79-01-6	Trichloroethylene	U	109	ug/kg	16.4	109
75-69-4	Trichlorofluoromethane	U	109	ug/kg	16.4	109
76-13-1	Trichlorotrifluoroethane	U	273	ug/kg	87.4	273
75-01-4	Vinyl chloride	U	109	ug/kg	16.4	109
156-59-2	cis-1,2-Dichloroethylene	U	109	ug/kg	16.4	109
10061-01-5	cis-1,3-Dichloropropylene	U	109	ug/kg	16.4	109
179601-23-1	m,p-Xylenes	U	219	ug/kg	16.4	219
95-47-6	o-Xylene	U	109	ug/kg	16.4	109
1634-04-4	tert-Butyl methyl ether	U	109	ug/kg	16.4	109
156-60-5	trans-1,2-Dichloroethylene	U	109	ug/kg	16.4	109
10061-02-6	trans-1,3-Dichloropropylene	U	109	ug/kg	16.4	109

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067011

Client ID: SW04RE
Batch ID: 1784645
Run Date: 08/01/2018 18:06
Prep Date: 08/01/2018 13:25
Data File: 080118V3\3S316.D

Date Collected: 07/19/2018 11:00
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.7
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	2.12	ug/kg	0.319	2.12
79-34-5	1,1,2,2-Tetrachloroethane	U	2.12	ug/kg	0.319	2.12
79-00-5	1,1,2-Trichloroethane	U	2.12	ug/kg	0.319	2.12
75-34-3	1,1-Dichloroethane	U	2.12	ug/kg	0.319	2.12
75-35-4	1,1-Dichloroethylene	U	2.12	ug/kg	0.319	2.12
87-61-6	1,2,3-Trichlorobenzene	U	2.12	ug/kg	0.319	2.12
120-82-1	1,2,4-Trichlorobenzene	U	2.12	ug/kg	0.319	2.12
96-12-8	1,2-Dibromo-3-chloropropane	U	2.12	ug/kg	0.531	2.12
106-93-4	1,2-Dibromoethane	U	2.12	ug/kg	0.319	2.12
95-50-1	1,2-Dichlorobenzene	U	2.12	ug/kg	0.319	2.12
107-06-2	1,2-Dichloroethane	U	2.12	ug/kg	0.319	2.12
78-87-5	1,2-Dichloropropane	U	2.12	ug/kg	0.319	2.12
541-73-1	1,3-Dichlorobenzene	U	2.12	ug/kg	0.319	2.12
106-46-7	1,4-Dichlorobenzene	U	2.12	ug/kg	0.319	2.12
123-91-1	1,4-Dioxane	U	53.1	ug/kg	15.9	53.1
78-93-3	2-Butanone	U	10.6	ug/kg	3.19	10.6
591-78-6	2-Hexanone	U	10.6	ug/kg	3.19	10.6
108-10-1	4-Methyl-2-pentanone	U	10.6	ug/kg	3.19	10.6
67-64-1	Acetone	J	5.40	ug/kg	3.19	10.6
71-43-2	Benzene	U	2.12	ug/kg	0.319	2.12
74-97-5	Bromochloromethane	U	2.12	ug/kg	0.319	2.12
75-27-4	Bromodichloromethane	U	2.12	ug/kg	0.319	2.12
75-25-2	Bromoform	U	2.12	ug/kg	0.319	2.12
74-83-9	Bromomethane	U	2.12	ug/kg	0.319	2.12
75-15-0	Carbon disulfide	U	10.6	ug/kg	1.70	10.6
56-23-5	Carbon tetrachloride	U	2.12	ug/kg	0.319	2.12
108-90-7	Chlorobenzene	U	2.12	ug/kg	0.319	2.12
75-00-3	Chloroethane	U	2.12	ug/kg	0.319	2.12
67-66-3	Chloroform	U	2.12	ug/kg	0.319	2.12
74-87-3	Chloromethane	U	2.12	ug/kg	0.319	2.12
110-82-7	Cyclohexane	U	2.12	ug/kg	0.319	2.12
124-48-1	Dibromochloromethane	U	2.12	ug/kg	0.319	2.12
75-71-8	Dichlorodifluoromethane	U	2.12	ug/kg	0.319	2.12
100-41-4	Ethylbenzene	U	2.12	ug/kg	0.319	2.12
98-82-8	Isopropylbenzene	U	2.12	ug/kg	0.319	2.12
79-20-9	Methyl acetate	U	5.31	ug/kg	1.59	5.31
108-87-2	Methylcyclohexane	U	2.12	ug/kg	0.319	2.12
75-09-2	Methylene chloride	U	5.31	ug/kg	1.70	5.31

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067011

Client ID: SW04RE
Batch ID: 1784645
Run Date: 08/01/2018 18:06
Prep Date: 08/01/2018 13:25
Data File: 080118V3\3S316.D

Date Collected: 07/19/2018 11:00
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.7
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	2.12	ug/kg	0.319	2.12
127-18-4	Tetrachloroethylene	U	2.12	ug/kg	0.319	2.12
108-88-3	Toluene	U	2.12	ug/kg	0.319	2.12
79-01-6	Trichloroethylene	U	2.12	ug/kg	0.319	2.12
75-69-4	Trichlorofluoromethane	U	2.12	ug/kg	0.319	2.12
76-13-1	Trichlorotrifluoroethane	U	5.31	ug/kg	1.70	5.31
75-01-4	Vinyl chloride	U	2.12	ug/kg	0.319	2.12
156-59-2	cis-1,2-Dichloroethylene	U	2.12	ug/kg	0.319	2.12
10061-01-5	cis-1,3-Dichloropropylene	U	2.12	ug/kg	0.319	2.12
179601-23-1	m,p-Xylenes	U	4.25	ug/kg	0.319	4.25
95-47-6	o-Xylene	U	2.12	ug/kg	0.319	2.12
1634-04-4	tert-Butyl methyl ether	U	2.12	ug/kg	0.319	2.12
156-60-5	trans-1,2-Dichloroethylene	U	2.12	ug/kg	0.319	2.12
10061-02-6	trans-1,3-Dichloropropylene	U	2.12	ug/kg	0.319	2.12

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067011

Client ID: SW04
Batch ID: 1784645
Run Date: 07/21/2018 19:43
Prep Date: 07/21/2018 12:19
Data File: 072118V3\3Q620.D

Date Collected: 07/19/2018 11:00
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.3 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.7
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	102	ug/kg	15.3	102
79-34-5	1,1,2,2-Tetrachloroethane	U	102	ug/kg	15.3	102
79-00-5	1,1,2-Trichloroethane	U	102	ug/kg	15.3	102
75-34-3	1,1-Dichloroethane	U	102	ug/kg	15.3	102
75-35-4	1,1-Dichloroethylene	U	102	ug/kg	15.3	102
87-61-6	1,2,3-Trichlorobenzene	U	102	ug/kg	15.3	102
120-82-1	1,2,4-Trichlorobenzene	U	102	ug/kg	15.3	102
96-12-8	1,2-Dibromo-3-chloropropane	U	102	ug/kg	25.5	102
106-93-4	1,2-Dibromoethane	U	102	ug/kg	15.3	102
95-50-1	1,2-Dichlorobenzene	U	102	ug/kg	15.3	102
107-06-2	1,2-Dichloroethane	U	102	ug/kg	15.3	102
78-87-5	1,2-Dichloropropane	U	102	ug/kg	15.3	102
541-73-1	1,3-Dichlorobenzene	U	102	ug/kg	15.3	102
106-46-7	1,4-Dichlorobenzene	U	102	ug/kg	15.3	102
123-91-1	1,4-Dioxane	U	2550	ug/kg	766	2550
78-93-3	2-Butanone	U	511	ug/kg	153	511
591-78-6	2-Hexanone	U	511	ug/kg	153	511
108-10-1	4-Methyl-2-pentanone	U	511	ug/kg	153	511
67-64-1	Acetone	U	511	ug/kg	153	511
71-43-2	Benzene	U	102	ug/kg	15.3	102
74-97-5	Bromochloromethane	U	102	ug/kg	15.3	102
75-27-4	Bromodichloromethane	U	102	ug/kg	15.3	102
75-25-2	Bromoform	U	102	ug/kg	15.3	102
74-83-9	Bromomethane	U	102	ug/kg	15.3	102
75-15-0	Carbon disulfide	U	511	ug/kg	81.7	511
56-23-5	Carbon tetrachloride	U	102	ug/kg	15.3	102
108-90-7	Chlorobenzene	U	102	ug/kg	15.3	102
75-00-3	Chloroethane	U	102	ug/kg	15.3	102
67-66-3	Chloroform	U	102	ug/kg	15.3	102
74-87-3	Chloromethane	U	102	ug/kg	15.3	102
110-82-7	Cyclohexane	U	102	ug/kg	15.3	102
124-48-1	Dibromochloromethane	U	102	ug/kg	15.3	102
75-71-8	Dichlorodifluoromethane	U	102	ug/kg	15.3	102
100-41-4	Ethylbenzene	U	102	ug/kg	15.3	102
98-82-8	Isopropylbenzene	U	102	ug/kg	15.3	102
79-20-9	Methyl acetate	U	255	ug/kg	76.6	255
108-87-2	Methylcyclohexane	U	102	ug/kg	15.3	102
75-09-2	Methylene chloride	U	255	ug/kg	81.7	255

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067011

Client ID: SW04
Batch ID: 1784645
Run Date: 07/21/2018 19:43
Prep Date: 07/21/2018 12:19
Data File: 072118V3\3Q620.D

Date Collected: 07/19/2018 11:00
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.3 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.7
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	102	ug/kg	15.3	102
127-18-4	Tetrachloroethylene	U	102	ug/kg	15.3	102
108-88-3	Toluene	U	102	ug/kg	15.3	102
79-01-6	Trichloroethylene	U	102	ug/kg	15.3	102
75-69-4	Trichlorofluoromethane	U	102	ug/kg	15.3	102
76-13-1	Trichlorotrifluoroethane	U	255	ug/kg	81.7	255
75-01-4	Vinyl chloride	U	102	ug/kg	15.3	102
156-59-2	cis-1,2-Dichloroethylene	U	102	ug/kg	15.3	102
10061-01-5	cis-1,3-Dichloropropylene	U	102	ug/kg	15.3	102
179601-23-1	m,p-Xylenes	U	204	ug/kg	15.3	204
95-47-6	o-Xylene	U	102	ug/kg	15.3	102
1634-04-4	tert-Butyl methyl ether	U	102	ug/kg	15.3	102
156-60-5	trans-1,2-Dichloroethylene	U	102	ug/kg	15.3	102
10061-02-6	trans-1,3-Dichloropropylene	U	102	ug/kg	15.3	102

Volatile
Certificate of Analysis
Sample Summary

Page 1 of 2

SDG Number: 455067
Lab Sample ID: 455067012

Client ID: SW05RE
Batch ID: 1784645
Run Date: 08/02/2018 14:13
Prep Date: 08/02/2018 12:53
Data File: 080218V3\3S410.D

Date Collected: 07/19/2018 12:55
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.3 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.3
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	2.04	ug/kg	0.305	2.04
79-34-5	1,1,2,2-Tetrachloroethane	U	2.04	ug/kg	0.305	2.04
79-00-5	1,1,2-Trichloroethane	U	2.04	ug/kg	0.305	2.04
75-34-3	1,1-Dichloroethane	U	2.04	ug/kg	0.305	2.04
75-35-4	1,1-Dichloroethylene	U	2.04	ug/kg	0.305	2.04
87-61-6	1,2,3-Trichlorobenzene	J	0.560	ug/kg	0.305	2.04
120-82-1	1,2,4-Trichlorobenzene	J	0.458	ug/kg	0.305	2.04
96-12-8	1,2-Dibromo-3-chloropropane	U	2.04	ug/kg	0.509	2.04
106-93-4	1,2-Dibromoethane	U	2.04	ug/kg	0.305	2.04
95-50-1	1,2-Dichlorobenzene	U	2.04	ug/kg	0.305	2.04
107-06-2	1,2-Dichloroethane	U	2.04	ug/kg	0.305	2.04
78-87-5	1,2-Dichloropropane	U	2.04	ug/kg	0.305	2.04
541-73-1	1,3-Dichlorobenzene	U	2.04	ug/kg	0.305	2.04
106-46-7	1,4-Dichlorobenzene	U	2.04	ug/kg	0.305	2.04
123-91-1	1,4-Dioxane	U	50.9	ug/kg	15.3	50.9
78-93-3	2-Butanone	U	10.2	ug/kg	3.05	10.2
591-78-6	2-Hexanone	U	10.2	ug/kg	3.05	10.2
108-10-1	4-Methyl-2-pentanone	U	10.2	ug/kg	3.05	10.2
67-64-1	Acetone	J	3.91	ug/kg	3.05	10.2
71-43-2	Benzene	U	2.04	ug/kg	0.305	2.04
74-97-5	Bromochloromethane	U	2.04	ug/kg	0.305	2.04
75-27-4	Bromodichloromethane	U	2.04	ug/kg	0.305	2.04
75-25-2	Bromoform	U	2.04	ug/kg	0.305	2.04
74-83-9	Bromomethane	U	2.04	ug/kg	0.305	2.04
75-15-0	Carbon disulfide	U	10.2	ug/kg	1.63	10.2
56-23-5	Carbon tetrachloride	U	2.04	ug/kg	0.305	2.04
108-90-7	Chlorobenzene	U	2.04	ug/kg	0.305	2.04
75-00-3	Chloroethane	U	2.04	ug/kg	0.305	2.04
67-66-3	Chloroform	U	2.04	ug/kg	0.305	2.04
74-87-3	Chloromethane	U	2.04	ug/kg	0.305	2.04
110-82-7	Cyclohexane	U	2.04	ug/kg	0.305	2.04
124-48-1	Dibromochloromethane	U	2.04	ug/kg	0.305	2.04
75-71-8	Dichlorodifluoromethane	U	2.04	ug/kg	0.305	2.04
100-41-4	Ethylbenzene	U	2.04	ug/kg	0.305	2.04
98-82-8	Isopropylbenzene	U	2.04	ug/kg	0.305	2.04
79-20-9	Methyl acetate	U	5.09	ug/kg	1.53	5.09
108-87-2	Methylcyclohexane	U	2.04	ug/kg	0.305	2.04
75-09-2	Methylene chloride	U	5.09	ug/kg	1.63	5.09

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067012

Client ID: SW05RE
Batch ID: 1784645
Run Date: 08/02/2018 14:13
Prep Date: 08/02/2018 12:53
Data File: 080218V3\3S410.D

Date Collected: 07/19/2018 12:55
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.3 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.3
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	2.04	ug/kg	0.305	2.04
127-18-4	Tetrachloroethylene	U	2.04	ug/kg	0.305	2.04
108-88-3	Toluene	U	2.04	ug/kg	0.305	2.04
79-01-6	Trichloroethylene	U	2.04	ug/kg	0.305	2.04
75-69-4	Trichlorofluoromethane	U	2.04	ug/kg	0.305	2.04
76-13-1	Trichlorotrifluoroethane	U	5.09	ug/kg	1.63	5.09
75-01-4	Vinyl chloride	U	2.04	ug/kg	0.305	2.04
156-59-2	cis-1,2-Dichloroethylene	U	2.04	ug/kg	0.305	2.04
10061-01-5	cis-1,3-Dichloropropylene	U	2.04	ug/kg	0.305	2.04
179601-23-1	m,p-Xylenes	U	4.07	ug/kg	0.305	4.07
95-47-6	o-Xylene	U	2.04	ug/kg	0.305	2.04
1634-04-4	tert-Butyl methyl ether	U	2.04	ug/kg	0.305	2.04
156-60-5	trans-1,2-Dichloroethylene	U	2.04	ug/kg	0.305	2.04
10061-02-6	trans-1,3-Dichloropropylene	U	2.04	ug/kg	0.305	2.04

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067012

Client ID: SW05
Batch ID: 1784645
Run Date: 07/21/2018 20:15
Prep Date: 07/21/2018 12:20
Data File: 072118V3\3Q621.D

Date Collected: 07/19/2018 12:55
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.3
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	108	ug/kg	16.2	108
79-34-5	1,1,2,2-Tetrachloroethane	U	108	ug/kg	16.2	108
79-00-5	1,1,2-Trichloroethane	U	108	ug/kg	16.2	108
75-34-3	1,1-Dichloroethane	U	108	ug/kg	16.2	108
75-35-4	1,1-Dichloroethylene	U	108	ug/kg	16.2	108
87-61-6	1,2,3-Trichlorobenzene	U	108	ug/kg	16.2	108
120-82-1	1,2,4-Trichlorobenzene	U	108	ug/kg	16.2	108
96-12-8	1,2-Dibromo-3-chloropropane	U	108	ug/kg	27.0	108
106-93-4	1,2-Dibromoethane	U	108	ug/kg	16.2	108
95-50-1	1,2-Dichlorobenzene	U	108	ug/kg	16.2	108
107-06-2	1,2-Dichloroethane	U	108	ug/kg	16.2	108
78-87-5	1,2-Dichloropropane	U	108	ug/kg	16.2	108
541-73-1	1,3-Dichlorobenzene	U	108	ug/kg	16.2	108
106-46-7	1,4-Dichlorobenzene	U	108	ug/kg	16.2	108
123-91-1	1,4-Dioxane	U	2700	ug/kg	809	2700
78-93-3	2-Butanone	U	540	ug/kg	162	540
591-78-6	2-Hexanone	U	540	ug/kg	162	540
108-10-1	4-Methyl-2-pentanone	U	540	ug/kg	162	540
67-64-1	Acetone	U	540	ug/kg	162	540
71-43-2	Benzene	U	108	ug/kg	16.2	108
74-97-5	Bromochloromethane	U	108	ug/kg	16.2	108
75-27-4	Bromodichloromethane	U	108	ug/kg	16.2	108
75-25-2	Bromoform	U	108	ug/kg	16.2	108
74-83-9	Bromomethane	U	108	ug/kg	16.2	108
75-15-0	Carbon disulfide	U	540	ug/kg	86.3	540
56-23-5	Carbon tetrachloride	U	108	ug/kg	16.2	108
108-90-7	Chlorobenzene	U	108	ug/kg	16.2	108
75-00-3	Chloroethane	U	108	ug/kg	16.2	108
67-66-3	Chloroform	U	108	ug/kg	16.2	108
74-87-3	Chloromethane	U	108	ug/kg	16.2	108
110-82-7	Cyclohexane	U	108	ug/kg	16.2	108
124-48-1	Dibromochloromethane	U	108	ug/kg	16.2	108
75-71-8	Dichlorodifluoromethane	U	108	ug/kg	16.2	108
100-41-4	Ethylbenzene	U	108	ug/kg	16.2	108
98-82-8	Isopropylbenzene	U	108	ug/kg	16.2	108
79-20-9	Methyl acetate	U	270	ug/kg	80.9	270
108-87-2	Methylcyclohexane	U	108	ug/kg	16.2	108
75-09-2	Methylene chloride	U	270	ug/kg	86.3	270

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067012

Client ID: SW05
Batch ID: 1784645
Run Date: 07/21/2018 20:15
Prep Date: 07/21/2018 12:20
Data File: 072118V3\3Q621.D

Date Collected: 07/19/2018 12:55
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.3
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	108	ug/kg	16.2	108
127-18-4	Tetrachloroethylene	U	108	ug/kg	16.2	108
108-88-3	Toluene	U	108	ug/kg	16.2	108
79-01-6	Trichloroethylene	U	108	ug/kg	16.2	108
75-69-4	Trichlorofluoromethane	U	108	ug/kg	16.2	108
76-13-1	Trichlorotrifluoroethane	U	270	ug/kg	86.3	270
75-01-4	Vinyl chloride	U	108	ug/kg	16.2	108
156-59-2	cis-1,2-Dichloroethylene	U	108	ug/kg	16.2	108
10061-01-5	cis-1,3-Dichloropropylene	U	108	ug/kg	16.2	108
179601-23-1	m,p-Xylenes	U	216	ug/kg	16.2	216
95-47-6	o-Xylene	U	108	ug/kg	16.2	108
1634-04-4	tert-Butyl methyl ether	U	108	ug/kg	16.2	108
156-60-5	trans-1,2-Dichloroethylene	U	108	ug/kg	16.2	108
10061-02-6	trans-1,3-Dichloropropylene	U	108	ug/kg	16.2	108

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455239
Lab Sample ID: 455239003

Client ID: SW06
Batch ID: 1785349
Run Date: 07/24/2018 20:35
Prep Date: 07/24/2018 13:25
Data File: 072418V3\3R222.D

Date Collected: 07/20/2018 15:10
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.2 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.2
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	105	ug/kg	15.7	105
79-34-5	1,1,2,2-Tetrachloroethane	U	105	ug/kg	15.7	105
79-00-5	1,1,2-Trichloroethane	U	105	ug/kg	15.7	105
75-34-3	1,1-Dichloroethane	U	105	ug/kg	15.7	105
75-35-4	1,1-Dichloroethylene	U	105	ug/kg	15.7	105
87-61-6	1,2,3-Trichlorobenzene	U	105	ug/kg	15.7	105
120-82-1	1,2,4-Trichlorobenzene	U	105	ug/kg	15.7	105
96-12-8	1,2-Dibromo-3-chloropropane	U	105	ug/kg	26.2	105
106-93-4	1,2-Dibromoethane	U	105	ug/kg	15.7	105
95-50-1	1,2-Dichlorobenzene	U	105	ug/kg	15.7	105
107-06-2	1,2-Dichloroethane	U	105	ug/kg	15.7	105
78-87-5	1,2-Dichloropropane	U	105	ug/kg	15.7	105
541-73-1	1,3-Dichlorobenzene	U	105	ug/kg	15.7	105
106-46-7	1,4-Dichlorobenzene	U	105	ug/kg	15.7	105
123-91-1	1,4-Dioxane	U	2620	ug/kg	785	2620
78-93-3	2-Butanone	U	524	ug/kg	157	524
591-78-6	2-Hexanone	U	524	ug/kg	157	524
108-10-1	4-Methyl-2-pentanone	U	524	ug/kg	157	524
67-64-1	Acetone	U	524	ug/kg	157	524
71-43-2	Benzene	U	105	ug/kg	15.7	105
74-97-5	Bromochloromethane	U	105	ug/kg	15.7	105
75-27-4	Bromodichloromethane	U	105	ug/kg	15.7	105
75-25-2	Bromoform	U	105	ug/kg	15.7	105
74-83-9	Bromomethane	U	105	ug/kg	15.7	105
75-15-0	Carbon disulfide	U	524	ug/kg	83.8	524
56-23-5	Carbon tetrachloride	U	105	ug/kg	15.7	105
108-90-7	Chlorobenzene	U	105	ug/kg	15.7	105
75-00-3	Chloroethane	U	105	ug/kg	15.7	105
67-66-3	Chloroform	U	105	ug/kg	15.7	105
74-87-3	Chloromethane	U	105	ug/kg	15.7	105
110-82-7	Cyclohexane	U	105	ug/kg	15.7	105
124-48-1	Dibromochloromethane	U	105	ug/kg	15.7	105
75-71-8	Dichlorodifluoromethane	U	105	ug/kg	15.7	105
100-41-4	Ethylbenzene	U	105	ug/kg	15.7	105
98-82-8	Isopropylbenzene	U	105	ug/kg	15.7	105
79-20-9	Methyl acetate	U	262	ug/kg	78.5	262
108-87-2	Methylcyclohexane	U	105	ug/kg	15.7	105
75-09-2	Methylene chloride	U	262	ug/kg	83.8	262

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455239
Lab Sample ID: 455239003

Client ID: SW06
Batch ID: 1785349
Run Date: 07/24/2018 20:35
Prep Date: 07/24/2018 13:25
Data File: 072418V3\3R222.D

Date Collected: 07/20/2018 15:10
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.2 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.2
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	105	ug/kg	15.7	105
127-18-4	Tetrachloroethylene	U	105	ug/kg	15.7	105
108-88-3	Toluene	U	105	ug/kg	15.7	105
79-01-6	Trichloroethylene	U	105	ug/kg	15.7	105
75-69-4	Trichlorofluoromethane	U	105	ug/kg	15.7	105
76-13-1	Trichlorotrifluoroethane	U	262	ug/kg	83.8	262
75-01-4	Vinyl chloride	U	105	ug/kg	15.7	105
156-59-2	cis-1,2-Dichloroethylene	U	105	ug/kg	15.7	105
10061-01-5	cis-1,3-Dichloropropylene	U	105	ug/kg	15.7	105
179601-23-1	m,p-Xylenes	U	209	ug/kg	15.7	209
95-47-6	o-Xylene	U	105	ug/kg	15.7	105
1634-04-4	tert-Butyl methyl ether	U	105	ug/kg	15.7	105
156-60-5	trans-1,2-Dichloroethylene	U	105	ug/kg	15.7	105
10061-02-6	trans-1,3-Dichloropropylene	U	105	ug/kg	15.7	105

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455239
Lab Sample ID: 455239003

Client ID: SW06RE
Batch ID: 1785349
Run Date: 07/27/2018 20:32
Prep Date: 07/27/2018 11:13
Data File: 072718V3\3R520.D

Date Collected: 07/20/2018 15:10
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.2 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.2
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	2.09	ug/kg	0.314	2.09
79-34-5	1,1,2,2-Tetrachloroethane	U	2.09	ug/kg	0.314	2.09
79-00-5	1,1,2-Trichloroethane	U	2.09	ug/kg	0.314	2.09
75-34-3	1,1-Dichloroethane	U	2.09	ug/kg	0.314	2.09
75-35-4	1,1-Dichloroethylene	U	2.09	ug/kg	0.314	2.09
87-61-6	1,2,3-Trichlorobenzene	U	2.09	ug/kg	0.314	2.09
120-82-1	1,2,4-Trichlorobenzene	U	2.09	ug/kg	0.314	2.09
96-12-8	1,2-Dibromo-3-chloropropane	U	2.09	ug/kg	0.524	2.09
106-93-4	1,2-Dibromoethane	U	2.09	ug/kg	0.314	2.09
95-50-1	1,2-Dichlorobenzene	U	2.09	ug/kg	0.314	2.09
107-06-2	1,2-Dichloroethane	U	2.09	ug/kg	0.314	2.09
78-87-5	1,2-Dichloropropane	U	2.09	ug/kg	0.314	2.09
541-73-1	1,3-Dichlorobenzene	U	2.09	ug/kg	0.314	2.09
106-46-7	1,4-Dichlorobenzene	U	2.09	ug/kg	0.314	2.09
123-91-1	1,4-Dioxane	U	52.4	ug/kg	15.7	52.4
78-93-3	2-Butanone	U	10.5	ug/kg	3.14	10.5
591-78-6	2-Hexanone	U	10.5	ug/kg	3.14	10.5
108-10-1	4-Methyl-2-pentanone	U	10.5	ug/kg	3.14	10.5
67-64-1	Acetone		12.1	ug/kg	3.14	10.5
71-43-2	Benzene	U	2.09	ug/kg	0.314	2.09
74-97-5	Bromochloromethane	U	2.09	ug/kg	0.314	2.09
75-27-4	Bromodichloromethane	U	2.09	ug/kg	0.314	2.09
75-25-2	Bromoform	U	2.09	ug/kg	0.314	2.09
74-83-9	Bromomethane	U	2.09	ug/kg	0.314	2.09
75-15-0	Carbon disulfide	U	10.5	ug/kg	1.68	10.5
56-23-5	Carbon tetrachloride	U	2.09	ug/kg	0.314	2.09
108-90-7	Chlorobenzene	U	2.09	ug/kg	0.314	2.09
75-00-3	Chloroethane	U	2.09	ug/kg	0.314	2.09
67-66-3	Chloroform	U	2.09	ug/kg	0.314	2.09
74-87-3	Chloromethane	U	2.09	ug/kg	0.314	2.09
110-82-7	Cyclohexane	U	2.09	ug/kg	0.314	2.09
124-48-1	Dibromochloromethane	U	2.09	ug/kg	0.314	2.09
75-71-8	Dichlorodifluoromethane	U	2.09	ug/kg	0.314	2.09
100-41-4	Ethylbenzene	U	2.09	ug/kg	0.314	2.09
98-82-8	Isopropylbenzene	U	2.09	ug/kg	0.314	2.09
79-20-9	Methyl acetate	U	5.24	ug/kg	1.57	5.24
108-87-2	Methylcyclohexane	U	2.09	ug/kg	0.314	2.09
75-09-2	Methylene chloride	U	5.24	ug/kg	1.68	5.24

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455239
Lab Sample ID: 455239003

Client ID: SW06RE
Batch ID: 1785349
Run Date: 07/27/2018 20:32
Prep Date: 07/27/2018 11:13
Data File: 072718V3\3R520.D

Date Collected: 07/20/2018 15:10
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.2 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.2
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	2.09	ug/kg	0.314	2.09
127-18-4	Tetrachloroethylene	U	2.09	ug/kg	0.314	2.09
108-88-3	Toluene	U	2.09	ug/kg	0.314	2.09
79-01-6	Trichloroethylene	U	2.09	ug/kg	0.314	2.09
75-69-4	Trichlorofluoromethane	U	2.09	ug/kg	0.314	2.09
76-13-1	Trichlorotrifluoroethane	U	5.24	ug/kg	1.68	5.24
75-01-4	Vinyl chloride	U	2.09	ug/kg	0.314	2.09
156-59-2	cis-1,2-Dichloroethylene	U	2.09	ug/kg	0.314	2.09
10061-01-5	cis-1,3-Dichloropropylene	U	2.09	ug/kg	0.314	2.09
179601-23-1	m,p-Xylenes	U	4.19	ug/kg	0.314	4.19
95-47-6	o-Xylene	U	2.09	ug/kg	0.314	2.09
1634-04-4	tert-Butyl methyl ether	U	2.09	ug/kg	0.314	2.09
156-60-5	trans-1,2-Dichloroethylene	U	2.09	ug/kg	0.314	2.09
10061-02-6	trans-1,3-Dichloropropylene	U	2.09	ug/kg	0.314	2.09

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455239
Lab Sample ID: 455239004

Client ID: SW06D
Batch ID: 1785349
Run Date: 07/25/2018 16:24
Prep Date: 07/24/2018 13:26
Data File: 072518V3\3R312.D

Date Collected: 07/20/2018 15:15
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.2 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.1
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	105	ug/kg	15.7	105
79-34-5	1,1,2,2-Tetrachloroethane	U	105	ug/kg	15.7	105
79-00-5	1,1,2-Trichloroethane	U	105	ug/kg	15.7	105
75-34-3	1,1-Dichloroethane	U	105	ug/kg	15.7	105
75-35-4	1,1-Dichloroethylene	U	105	ug/kg	15.7	105
87-61-6	1,2,3-Trichlorobenzene	U	105	ug/kg	15.7	105
120-82-1	1,2,4-Trichlorobenzene	U	105	ug/kg	15.7	105
96-12-8	1,2-Dibromo-3-chloropropane	U	105	ug/kg	26.2	105
106-93-4	1,2-Dibromoethane	U	105	ug/kg	15.7	105
95-50-1	1,2-Dichlorobenzene	U	105	ug/kg	15.7	105
107-06-2	1,2-Dichloroethane	U	105	ug/kg	15.7	105
78-87-5	1,2-Dichloropropane	U	105	ug/kg	15.7	105
541-73-1	1,3-Dichlorobenzene	U	105	ug/kg	15.7	105
106-46-7	1,4-Dichlorobenzene	U	105	ug/kg	15.7	105
123-91-1	1,4-Dioxane	U	2620	ug/kg	785	2620
78-93-3	2-Butanone	U	523	ug/kg	157	523
591-78-6	2-Hexanone	U	523	ug/kg	157	523
108-10-1	4-Methyl-2-pentanone	U	523	ug/kg	157	523
67-64-1	Acetone	U	523	ug/kg	157	523
71-43-2	Benzene	U	105	ug/kg	15.7	105
74-97-5	Bromochloromethane	U	105	ug/kg	15.7	105
75-27-4	Bromodichloromethane	U	105	ug/kg	15.7	105
75-25-2	Bromoform	U	105	ug/kg	15.7	105
74-83-9	Bromomethane	U	105	ug/kg	15.7	105
75-15-0	Carbon disulfide	U	523	ug/kg	83.7	523
56-23-5	Carbon tetrachloride	U	105	ug/kg	15.7	105
108-90-7	Chlorobenzene	U	105	ug/kg	15.7	105
75-00-3	Chloroethane	U	105	ug/kg	15.7	105
67-66-3	Chloroform	U	105	ug/kg	15.7	105
74-87-3	Chloromethane	U	105	ug/kg	15.7	105
110-82-7	Cyclohexane	U	105	ug/kg	15.7	105
124-48-1	Dibromochloromethane	U	105	ug/kg	15.7	105
75-71-8	Dichlorodifluoromethane	U	105	ug/kg	15.7	105
100-41-4	Ethylbenzene	U	105	ug/kg	15.7	105
98-82-8	Isopropylbenzene	U	105	ug/kg	15.7	105
79-20-9	Methyl acetate	U	262	ug/kg	78.5	262
108-87-2	Methylcyclohexane	U	105	ug/kg	15.7	105
75-09-2	Methylene chloride	U	262	ug/kg	83.7	262

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455239
Lab Sample ID: 455239004

Client ID: SW06D
Batch ID: 1785349
Run Date: 07/25/2018 16:24
Prep Date: 07/24/2018 13:26
Data File: 072518V3\3R312.D

Date Collected: 07/20/2018 15:15
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.2 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.1
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	105	ug/kg	15.7	105
127-18-4	Tetrachloroethylene	U	105	ug/kg	15.7	105
108-88-3	Toluene	U	105	ug/kg	15.7	105
79-01-6	Trichloroethylene	U	105	ug/kg	15.7	105
75-69-4	Trichlorofluoromethane	U	105	ug/kg	15.7	105
76-13-1	Trichlorotrifluoroethane	U	262	ug/kg	83.7	262
75-01-4	Vinyl chloride	U	105	ug/kg	15.7	105
156-59-2	cis-1,2-Dichloroethylene	U	105	ug/kg	15.7	105
10061-01-5	cis-1,3-Dichloropropylene	U	105	ug/kg	15.7	105
179601-23-1	m,p-Xylenes	U	209	ug/kg	15.7	209
95-47-6	o-Xylene	U	105	ug/kg	15.7	105
1634-04-4	tert-Butyl methyl ether	U	105	ug/kg	15.7	105
156-60-5	trans-1,2-Dichloroethylene	U	105	ug/kg	15.7	105
10061-02-6	trans-1,3-Dichloropropylene	U	105	ug/kg	15.7	105

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455239
Lab Sample ID: 455239004

Client ID: SW06DRE
Batch ID: 1785349
Run Date: 07/27/2018 21:04
Prep Date: 07/27/2018 11:14
Data File: 072718V3\3R521.D

Date Collected: 07/20/2018 15:15
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.1
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	2.13	ug/kg	0.320	2.13
79-34-5	1,1,2,2-Tetrachloroethane	U	2.13	ug/kg	0.320	2.13
79-00-5	1,1,2-Trichloroethane	U	2.13	ug/kg	0.320	2.13
75-34-3	1,1-Dichloroethane	U	2.13	ug/kg	0.320	2.13
75-35-4	1,1-Dichloroethylene	U	2.13	ug/kg	0.320	2.13
87-61-6	1,2,3-Trichlorobenzene	U	2.13	ug/kg	0.320	2.13
120-82-1	1,2,4-Trichlorobenzene	U	2.13	ug/kg	0.320	2.13
96-12-8	1,2-Dibromo-3-chloropropane	U	2.13	ug/kg	0.534	2.13
106-93-4	1,2-Dibromoethane	U	2.13	ug/kg	0.320	2.13
95-50-1	1,2-Dichlorobenzene	U	2.13	ug/kg	0.320	2.13
107-06-2	1,2-Dichloroethane	U	2.13	ug/kg	0.320	2.13
78-87-5	1,2-Dichloropropane	U	2.13	ug/kg	0.320	2.13
541-73-1	1,3-Dichlorobenzene	U	2.13	ug/kg	0.320	2.13
106-46-7	1,4-Dichlorobenzene	U	2.13	ug/kg	0.320	2.13
123-91-1	1,4-Dioxane	U	53.4	ug/kg	16.0	53.4
78-93-3	2-Butanone	U	10.7	ug/kg	3.20	10.7
591-78-6	2-Hexanone	U	10.7	ug/kg	3.20	10.7
108-10-1	4-Methyl-2-pentanone	U	10.7	ug/kg	3.20	10.7
67-64-1	Acetone	J	7.96	ug/kg	3.20	10.7
71-43-2	Benzene	U	2.13	ug/kg	0.320	2.13
74-97-5	Bromochloromethane	U	2.13	ug/kg	0.320	2.13
75-27-4	Bromodichloromethane	U	2.13	ug/kg	0.320	2.13
75-25-2	Bromoform	U	2.13	ug/kg	0.320	2.13
74-83-9	Bromomethane	U	2.13	ug/kg	0.320	2.13
75-15-0	Carbon disulfide	U	10.7	ug/kg	1.71	10.7
56-23-5	Carbon tetrachloride	U	2.13	ug/kg	0.320	2.13
108-90-7	Chlorobenzene	U	2.13	ug/kg	0.320	2.13
75-00-3	Chloroethane	U	2.13	ug/kg	0.320	2.13
67-66-3	Chloroform	U	2.13	ug/kg	0.320	2.13
74-87-3	Chloromethane	U	2.13	ug/kg	0.320	2.13
110-82-7	Cyclohexane	U	2.13	ug/kg	0.320	2.13
124-48-1	Dibromochloromethane	U	2.13	ug/kg	0.320	2.13
75-71-8	Dichlorodifluoromethane	U	2.13	ug/kg	0.320	2.13
100-41-4	Ethylbenzene	U	2.13	ug/kg	0.320	2.13
98-82-8	Isopropylbenzene	U	2.13	ug/kg	0.320	2.13
79-20-9	Methyl acetate	U	5.34	ug/kg	1.60	5.34
108-87-2	Methylcyclohexane	U	2.13	ug/kg	0.320	2.13
75-09-2	Methylene chloride	U	5.34	ug/kg	1.71	5.34

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455239
Lab Sample ID: 455239004

Client ID: SW06DRE
Batch ID: 1785349
Run Date: 07/27/2018 21:04
Prep Date: 07/27/2018 11:14
Data File: 072718V3\3R521.D

Date Collected: 07/20/2018 15:15
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.1
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	2.13	ug/kg	0.320	2.13
127-18-4	Tetrachloroethylene	U	2.13	ug/kg	0.320	2.13
108-88-3	Toluene	U	2.13	ug/kg	0.320	2.13
79-01-6	Trichloroethylene	U	2.13	ug/kg	0.320	2.13
75-69-4	Trichlorofluoromethane	U	2.13	ug/kg	0.320	2.13
76-13-1	Trichlorotrifluoroethane	U	5.34	ug/kg	1.71	5.34
75-01-4	Vinyl chloride	U	2.13	ug/kg	0.320	2.13
156-59-2	cis-1,2-Dichloroethylene	U	2.13	ug/kg	0.320	2.13
10061-01-5	cis-1,3-Dichloropropylene	U	2.13	ug/kg	0.320	2.13
179601-23-1	m,p-Xylenes	U	4.27	ug/kg	0.320	4.27
95-47-6	o-Xylene	U	2.13	ug/kg	0.320	2.13
1634-04-4	tert-Butyl methyl ether	U	2.13	ug/kg	0.320	2.13
156-60-5	trans-1,2-Dichloroethylene	U	2.13	ug/kg	0.320	2.13
10061-02-6	trans-1,3-Dichloropropylene	U	2.13	ug/kg	0.320	2.13

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Certificate of Analysis

Report Date: August 22, 2018

Company : URS
Address : 2425 River Road (c/o SPRU DP)

Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: SW07	Project: URSC00211
Sample ID: 456917003	Client ID: URSC013
Matrix: Soil	
Collect Date: 09-AUG-18 08:24	
Receive Date: 10-AUG-18	
Collector: Client	
Moisture: 6.81%	

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Volatile Organics												
SW846 8260C Volatiles "Dry Weight Corrected"												
1,1,1-Trichloroethane	U	ND	14.1	94.1	ug/kg	0.877	50	JP1	08/18/18	0727	1794368	1
1,1,2,2-Tetrachloroethane	U	ND	14.1	94.1	ug/kg	0.877	50					
1,1,2-Trichloroethane	U	ND	14.1	94.1	ug/kg	0.877	50					
1,1-Dichloroethane	U	ND	14.1	94.1	ug/kg	0.877	50					
1,1-Dichloroethylene	U	ND	14.1	94.1	ug/kg	0.877	50					
1,2,3-Trichlorobenzene	U	ND	14.1	94.1	ug/kg	0.877	50					
1,2,4-Trichlorobenzene	U	ND	14.1	94.1	ug/kg	0.877	50					
1,2-Dibromo-3-chloropropane	U	ND	23.5	94.1	ug/kg	0.877	50					
1,2-Dibromoethane	U	ND	14.1	94.1	ug/kg	0.877	50					
1,2-Dichlorobenzene	U	ND	14.1	94.1	ug/kg	0.877	50					
1,2-Dichloroethane	U	ND	14.1	94.1	ug/kg	0.877	50					
1,2-Dichloropropane	U	ND	14.1	94.1	ug/kg	0.877	50					
1,3-Dichlorobenzene	U	ND	14.1	94.1	ug/kg	0.877	50					
1,4-Dichlorobenzene	U	ND	14.1	94.1	ug/kg	0.877	50					
1,4-Dioxane	U	ND	706	2350	ug/kg	0.877	50					
2-Butanone	U	ND	141	471	ug/kg	0.877	50					
2-Hexanone	U	ND	141	471	ug/kg	0.877	50					
4-Methyl-2-pentanone	U	ND	141	471	ug/kg	0.877	50					
Acetone	U	ND	141	471	ug/kg	0.877	50					
Benzene	U	ND	14.1	94.1	ug/kg	0.877	50					
Bromochloromethane	U	ND	14.1	94.1	ug/kg	0.877	50					
Bromodichloromethane	U	ND	14.1	94.1	ug/kg	0.877	50					
Bromoform	U	ND	14.1	94.1	ug/kg	0.877	50					
Bromomethane	U	ND	14.1	94.1	ug/kg	0.877	50					
Carbon disulfide	U	ND	75.3	471	ug/kg	0.877	50					
Carbon tetrachloride	U	ND	14.1	94.1	ug/kg	0.877	50					
Chlorobenzene	U	ND	14.1	94.1	ug/kg	0.877	50					
Chloroethane	U	ND	14.1	94.1	ug/kg	0.877	50					
Chloroform	U	ND	14.1	94.1	ug/kg	0.877	50					
Chloromethane	U	ND	14.1	94.1	ug/kg	0.877	50					
Cyclohexane	U	ND	14.1	94.1	ug/kg	0.877	50					
Dibromochloromethane	U	ND	14.1	94.1	ug/kg	0.877	50					
Dichlorodifluoromethane	U	ND	14.1	94.1	ug/kg	0.877	50					
Ethylbenzene	U	ND	14.1	94.1	ug/kg	0.877	50					
Isopropylbenzene	U	ND	14.1	94.1	ug/kg	0.877	50					
Methyl acetate	U	ND	70.6	235	ug/kg	0.877	50					

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: August 22, 2018

Company : URS
Address : 2425 River Road (c/o SPRU DP)

Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: SW07

Project: URSC00211

Sample ID: 456917003

Client ID: URSC013

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Volatile Organics												
SW846 8260C Volatiles "Dry Weight Corrected"												
Methylcyclohexane	U	ND	14.1	94.1	ug/kg	0.877	50					
Methylene chloride	U	ND	75.3	235	ug/kg	0.877	50					
Styrene	U	ND	14.1	94.1	ug/kg	0.877	50					
Tetrachloroethylene	U	ND	14.1	94.1	ug/kg	0.877	50					
Toluene	U	ND	14.1	94.1	ug/kg	0.877	50					
Trichloroethylene	U	ND	14.1	94.1	ug/kg	0.877	50					
Trichlorofluoromethane	U	ND	14.1	94.1	ug/kg	0.877	50					
Trichlorotrifluoroethane	U	ND	75.3	235	ug/kg	0.877	50					
Vinyl chloride	U	ND	14.1	94.1	ug/kg	0.877	50					
cis-1,2-Dichloroethylene	U	ND	14.1	94.1	ug/kg	0.877	50					
cis-1,3-Dichloropropylene	U	ND	14.1	94.1	ug/kg	0.877	50					
m,p-Xylenes	U	ND	14.1	188	ug/kg	0.877	50					
o-Xylene	U	ND	14.1	94.1	ug/kg	0.877	50					
tert-Butyl methyl ether	U	ND	14.1	94.1	ug/kg	0.877	50					
trans-1,2-Dichloroethylene	U	ND	14.1	94.1	ug/kg	0.877	50					
trans-1,3-Dichloropropylene	U	ND	14.1	94.1	ug/kg	0.877	50					
1,1,1-Trichloroethane	U	ND	0.322	2.15	ug/kg	1.00	1	JP1	08/20/18	1319	1794368	2
1,1,2,2-Tetrachloroethane	U	ND	0.322	2.15	ug/kg	1.00	1					
1,1,2-Trichloroethane	U	ND	0.322	2.15	ug/kg	1.00	1					
1,1-Dichloroethane	U	ND	0.322	2.15	ug/kg	1.00	1					
1,1-Dichloroethylene	U	ND	0.322	2.15	ug/kg	1.00	1					
1,2,3-Trichlorobenzene	J	0.848	0.322	2.15	ug/kg	1.00	1					
1,2,4-Trichlorobenzene	J	1.20	0.322	2.15	ug/kg	1.00	1					
1,2-Dibromo-3-chloropropane	U	ND	0.537	2.15	ug/kg	1.00	1					
1,2-Dibromoethane	U	ND	0.322	2.15	ug/kg	1.00	1					
1,2-Dichlorobenzene	U	ND	0.322	2.15	ug/kg	1.00	1					
1,2-Dichloroethane	U	ND	0.322	2.15	ug/kg	1.00	1					
1,2-Dichloropropane	U	ND	0.322	2.15	ug/kg	1.00	1					
1,3-Dichlorobenzene	J	0.451	0.322	2.15	ug/kg	1.00	1					
1,4-Dichlorobenzene	J	0.751	0.322	2.15	ug/kg	1.00	1					
1,4-Dioxane	U	ND	16.1	53.7	ug/kg	1.00	1					
2-Butanone	U	ND	3.22	10.7	ug/kg	1.00	1					
2-Hexanone	U	ND	3.22	10.7	ug/kg	1.00	1					
4-Methyl-2-pentanone	U	ND	3.22	10.7	ug/kg	1.00	1					
Acetone	J	4.74	3.22	10.7	ug/kg	1.00	1					
Benzene	U	ND	0.322	2.15	ug/kg	1.00	1					

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Certificate of Analysis

Report Date: August 22, 2018

Company : URS
Address : 2425 River Road (c/o SPRU DP)

Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: SW07	Project: URSC00211
Sample ID: 456917003	Client ID: URSC013

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Volatiles Organics												
SW846 8260C Volatiles "Dry Weight Corrected"												
Bromochloromethane	U	ND	0.322	2.15	ug/kg	1.00	1					
Bromodichloromethane	U	ND	0.322	2.15	ug/kg	1.00	1					
Bromoform	U	ND	0.322	2.15	ug/kg	1.00	1					
Bromomethane	U	ND	0.322	2.15	ug/kg	1.00	1					
Carbon disulfide	J	1.95	1.72	10.7	ug/kg	1.00	1					
Carbon tetrachloride	U	ND	0.322	2.15	ug/kg	1.00	1					
Chlorobenzene	U	ND	0.322	2.15	ug/kg	1.00	1					
Chloroethane	U	ND	0.322	2.15	ug/kg	1.00	1					
Chloroform	U	ND	0.322	2.15	ug/kg	1.00	1					
Chloromethane	U	ND	0.322	2.15	ug/kg	1.00	1					
Cyclohexane	U	ND	0.322	2.15	ug/kg	1.00	1					
Dibromochloromethane	U	ND	0.322	2.15	ug/kg	1.00	1					
Dichlorodifluoromethane	U	ND	0.322	2.15	ug/kg	1.00	1					
Ethylbenzene	U	ND	0.322	2.15	ug/kg	1.00	1					
Isopropylbenzene	U	ND	0.322	2.15	ug/kg	1.00	1					
Methyl acetate	U	ND	1.61	5.37	ug/kg	1.00	1					
Methylcyclohexane	U	ND	0.322	2.15	ug/kg	1.00	1					
Methylene chloride		15.9	1.72	5.37	ug/kg	1.00	1					
Styrene	U	ND	0.322	2.15	ug/kg	1.00	1					
Tetrachloroethylene	U	ND	0.322	2.15	ug/kg	1.00	1					
Toluene	U	ND	0.322	2.15	ug/kg	1.00	1					
Trichloroethylene	U	ND	0.322	2.15	ug/kg	1.00	1					
Trichlorofluoromethane	U	ND	0.322	2.15	ug/kg	1.00	1					
Trichlorotrifluoroethane	U	ND	1.72	5.37	ug/kg	1.00	1					
Vinyl chloride	U	ND	0.322	2.15	ug/kg	1.00	1					
cis-1,2-Dichloroethylene	U	ND	0.322	2.15	ug/kg	1.00	1					
cis-1,3-Dichloropropylene	U	ND	0.322	2.15	ug/kg	1.00	1					
m,p-Xylenes	U	ND	0.322	4.29	ug/kg	1.00	1					
o-Xylene	U	ND	0.322	2.15	ug/kg	1.00	1					
tert-Butyl methyl ether	U	ND	0.322	2.15	ug/kg	1.00	1					
trans-1,2-Dichloroethylene	U	ND	0.322	2.15	ug/kg	1.00	1					
trans-1,3-Dichloropropylene	U	ND	0.322	2.15	ug/kg	1.00	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 5035A	5035A/8260C Prep	JP1	08/17/18	2205	1794367

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Certificate of Analysis

Report Date: August 22, 2018

Company : URS
Address : 2425 River Road (c/o SPRU DP)

Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: SW07

Project: URSC00211

Sample ID: 456917003

Client ID: URSC013

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time Batch	Method
SW846 5035A	5035A/8260C	Prep		JP1	08/20/18		1057		1794367		

The following Analytical Methods were performed:

Method	Description	Analyst	Comments
1	SW846 5035A/8260C		
2	SW846 5035A/8260C		

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	SW846 8260C Volatiles "Dry Weight Corrected"	2320 ug/kg	50.0	98	(81%-124%)
Bromofluorobenzene	SW846 8260C Volatiles "Dry Weight Corrected"	2280 ug/kg	50.0	97	(70%-130%)
Toluene-d8	SW846 8260C Volatiles "Dry Weight Corrected"	2270 ug/kg	50.0	96	(81%-120%)
1,2-Dichloroethane-d4	SW846 8260C Volatiles "Dry Weight Corrected"	60.1 ug/kg	50.0	112	(81%-124%)
Bromofluorobenzene	SW846 8260C Volatiles "Dry Weight Corrected"	48.5 ug/kg	50.0	90	(70%-130%)
Toluene-d8	SW846 8260C Volatiles "Dry Weight Corrected"	65.2 ug/kg	50.0	121*	(81%-120%)

Notes:

Column headers are defined as follows:

DF: Dilution Factor

Lc/LC: Critical Level

DL: Detection Limit

PF: Prep Factor

MDA: Minimum Detectable Activity

RL: Reporting Limit

MDC: Minimum Detectable Concentration

SQL: Sample Quantitation Limit

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: August 22, 2018

Company : URS
Address : 2425 River Road (c/o SPRU DP)

Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: SW08	Project: URSC00211
Sample ID: 456917004	Client ID: URSC013
Matrix: Soil	
Collect Date: 09-AUG-18 08:26	
Receive Date: 10-AUG-18	
Collector: Client	
Moisture: 9.8%	

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Volatile Organics												
SW846 8260C Volatiles "Dry Weight Corrected"												
1,1,1-Trichloroethane	U	ND	16.0	107	ug/kg	0.962	50	JP1	08/18/18	0757	1794368	1
1,1,2,2-Tetrachloroethane	U	ND	16.0	107	ug/kg	0.962	50					
1,1,2-Trichloroethane	U	ND	16.0	107	ug/kg	0.962	50					
1,1-Dichloroethane	U	ND	16.0	107	ug/kg	0.962	50					
1,1-Dichloroethylene	U	ND	16.0	107	ug/kg	0.962	50					
1,2,3-Trichlorobenzene	U	ND	16.0	107	ug/kg	0.962	50					
1,2,4-Trichlorobenzene	U	ND	16.0	107	ug/kg	0.962	50					
1,2-Dibromo-3-chloropropane	U	ND	26.6	107	ug/kg	0.962	50					
1,2-Dibromoethane	U	ND	16.0	107	ug/kg	0.962	50					
1,2-Dichlorobenzene	U	ND	16.0	107	ug/kg	0.962	50					
1,2-Dichloroethane	U	ND	16.0	107	ug/kg	0.962	50					
1,2-Dichloropropane	U	ND	16.0	107	ug/kg	0.962	50					
1,3-Dichlorobenzene	U	ND	16.0	107	ug/kg	0.962	50					
1,4-Dichlorobenzene	U	ND	16.0	107	ug/kg	0.962	50					
1,4-Dioxane	U	ND	799	2660	ug/kg	0.962	50					
2-Butanone	U	ND	160	533	ug/kg	0.962	50					
2-Hexanone	U	ND	160	533	ug/kg	0.962	50					
4-Methyl-2-pentanone	U	ND	160	533	ug/kg	0.962	50					
Acetone	U	ND	160	533	ug/kg	0.962	50					
Benzene	U	ND	16.0	107	ug/kg	0.962	50					
Bromochloromethane	U	ND	16.0	107	ug/kg	0.962	50					
Bromodichloromethane	U	ND	16.0	107	ug/kg	0.962	50					
Bromoform	U	ND	16.0	107	ug/kg	0.962	50					
Bromomethane	U	ND	16.0	107	ug/kg	0.962	50					
Carbon disulfide	U	ND	85.3	533	ug/kg	0.962	50					
Carbon tetrachloride	U	ND	16.0	107	ug/kg	0.962	50					
Chlorobenzene	U	ND	16.0	107	ug/kg	0.962	50					
Chloroethane	U	ND	16.0	107	ug/kg	0.962	50					
Chloroform	U	ND	16.0	107	ug/kg	0.962	50					
Chloromethane	U	ND	16.0	107	ug/kg	0.962	50					
Cyclohexane	U	ND	16.0	107	ug/kg	0.962	50					
Dibromochloromethane	U	ND	16.0	107	ug/kg	0.962	50					
Dichlorodifluoromethane	U	ND	16.0	107	ug/kg	0.962	50					
Ethylbenzene	U	ND	16.0	107	ug/kg	0.962	50					
Isopropylbenzene	U	ND	16.0	107	ug/kg	0.962	50					
Methyl acetate	U	ND	79.9	266	ug/kg	0.962	50					

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Certificate of Analysis

Report Date: August 22, 2018

Company : URS
Address : 2425 River Road (c/o SPRU DP)

Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: SW08

Project: URSC00211

Sample ID: 456917004

Client ID: URSC013

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Volatile Organics												
SW846 8260C Volatiles "Dry Weight Corrected"												
Methylcyclohexane	U	ND	16.0	107	ug/kg	0.962	50					
Methylene chloride	U	ND	85.3	266	ug/kg	0.962	50					
Styrene	U	ND	16.0	107	ug/kg	0.962	50					
Tetrachloroethylene	U	ND	16.0	107	ug/kg	0.962	50					
Toluene	U	ND	16.0	107	ug/kg	0.962	50					
Trichloroethylene	U	ND	16.0	107	ug/kg	0.962	50					
Trichlorofluoromethane	U	ND	16.0	107	ug/kg	0.962	50					
Trichlorotrifluoroethane	U	ND	85.3	266	ug/kg	0.962	50					
Vinyl chloride	U	ND	16.0	107	ug/kg	0.962	50					
cis-1,2-Dichloroethylene	U	ND	16.0	107	ug/kg	0.962	50					
cis-1,3-Dichloropropylene	U	ND	16.0	107	ug/kg	0.962	50					
m,p-Xylenes	U	ND	16.0	213	ug/kg	0.962	50					
o-Xylene	U	ND	16.0	107	ug/kg	0.962	50					
tert-Butyl methyl ether	U	ND	16.0	107	ug/kg	0.962	50					
trans-1,2-Dichloroethylene	U	ND	16.0	107	ug/kg	0.962	50					
trans-1,3-Dichloropropylene	U	ND	16.0	107	ug/kg	0.962	50					
1,1,1-Trichloroethane	U	ND	0.326	2.17	ug/kg	0.980	1	JP1	08/20/18	1350	1794368	2
1,1,2,2-Tetrachloroethane	U	ND	0.326	2.17	ug/kg	0.980	1					
1,1,2-Trichloroethane	U	ND	0.326	2.17	ug/kg	0.980	1					
1,1-Dichloroethane	U	ND	0.326	2.17	ug/kg	0.980	1					
1,1-Dichloroethylene	U	ND	0.326	2.17	ug/kg	0.980	1					
1,2,3-Trichlorobenzene	U	ND	0.326	2.17	ug/kg	0.980	1					
1,2,4-Trichlorobenzene	J	0.456	0.326	2.17	ug/kg	0.980	1					
1,2-Dibromo-3-chloropropane	U	ND	0.543	2.17	ug/kg	0.980	1					
1,2-Dibromoethane	U	ND	0.326	2.17	ug/kg	0.980	1					
1,2-Dichlorobenzene	U	ND	0.326	2.17	ug/kg	0.980	1					
1,2-Dichloroethane	U	ND	0.326	2.17	ug/kg	0.980	1					
1,2-Dichloropropane	U	ND	0.326	2.17	ug/kg	0.980	1					
1,3-Dichlorobenzene	U	ND	0.326	2.17	ug/kg	0.980	1					
1,4-Dichlorobenzene	J	0.326	0.326	2.17	ug/kg	0.980	1					
1,4-Dioxane	U	ND	16.3	54.3	ug/kg	0.980	1					
2-Butanone	U	ND	3.26	10.9	ug/kg	0.980	1					
2-Hexanone	U	ND	3.26	10.9	ug/kg	0.980	1					
4-Methyl-2-pentanone	U	ND	3.26	10.9	ug/kg	0.980	1					
Acetone	U	ND	3.26	10.9	ug/kg	0.980	1					
Benzene	U	ND	0.326	2.17	ug/kg	0.980	1					

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Certificate of Analysis

Report Date: August 22, 2018

Company : URS
Address : 2425 River Road (c/o SPRU DP)

Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: SW08	Project: URSC00211
Sample ID: 456917004	Client ID: URSC013

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Volatiles Organics												
SW846 8260C Volatiles "Dry Weight Corrected"												
Bromochloromethane	U	ND	0.326	2.17	ug/kg	0.980	1					
Bromodichloromethane	U	ND	0.326	2.17	ug/kg	0.980	1					
Bromoform	U	ND	0.326	2.17	ug/kg	0.980	1					
Bromomethane	U	ND	0.326	2.17	ug/kg	0.980	1					
Carbon disulfide	U	ND	1.74	10.9	ug/kg	0.980	1					
Carbon tetrachloride	U	ND	0.326	2.17	ug/kg	0.980	1					
Chlorobenzene	U	ND	0.326	2.17	ug/kg	0.980	1					
Chloroethane	U	ND	0.326	2.17	ug/kg	0.980	1					
Chloroform	U	ND	0.326	2.17	ug/kg	0.980	1					
Chloromethane	U	ND	0.326	2.17	ug/kg	0.980	1					
Cyclohexane	U	ND	0.326	2.17	ug/kg	0.980	1					
Dibromochloromethane	U	ND	0.326	2.17	ug/kg	0.980	1					
Dichlorodifluoromethane	U	ND	0.326	2.17	ug/kg	0.980	1					
Ethylbenzene	U	ND	0.326	2.17	ug/kg	0.980	1					
Isopropylbenzene	U	ND	0.326	2.17	ug/kg	0.980	1					
Methyl acetate	U	ND	1.63	5.43	ug/kg	0.980	1					
Methylcyclohexane	U	ND	0.326	2.17	ug/kg	0.980	1					
Methylene chloride	U	ND	1.74	5.43	ug/kg	0.980	1					
Styrene	U	ND	0.326	2.17	ug/kg	0.980	1					
Tetrachloroethylene	U	ND	0.326	2.17	ug/kg	0.980	1					
Toluene	U	ND	0.326	2.17	ug/kg	0.980	1					
Trichloroethylene	U	ND	0.326	2.17	ug/kg	0.980	1					
Trichlorofluoromethane	U	ND	0.326	2.17	ug/kg	0.980	1					
Trichlorotrifluoroethane	U	ND	1.74	5.43	ug/kg	0.980	1					
Vinyl chloride	U	ND	0.326	2.17	ug/kg	0.980	1					
cis-1,2-Dichloroethylene	U	ND	0.326	2.17	ug/kg	0.980	1					
cis-1,3-Dichloropropylene	U	ND	0.326	2.17	ug/kg	0.980	1					
m,p-Xylenes	U	ND	0.326	4.35	ug/kg	0.980	1					
o-Xylene	U	ND	0.326	2.17	ug/kg	0.980	1					
tert-Butyl methyl ether	U	ND	0.326	2.17	ug/kg	0.980	1					
trans-1,2-Dichloroethylene	U	ND	0.326	2.17	ug/kg	0.980	1					
trans-1,3-Dichloropropylene	U	ND	0.326	2.17	ug/kg	0.980	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 5035A	5035A/8260C Prep	JP1	08/17/18	2206	1794367

GEL LABORATORIES LLC

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Certificate of Analysis

Report Date: August 22, 2018

Company : URS
Address : 2425 River Road (c/o SPRU DP)

Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: SW08

Project: URSC00211

Sample ID: 456917004

Client ID: URSC013

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time Batch	Method
SW846 5035A	5035A/8260C	Prep		JP1	08/20/18		1058		1794367		

The following Analytical Methods were performed:

Method	Description	Analyst	Comments
1	SW846 5035A/8260C		
2	SW846 5035A/8260C		

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	SW846 8260C Volatiles "Dry Weight Corrected"	2650 ug/kg	50.0	99	(81%-124%)
Bromofluorobenzene	SW846 8260C Volatiles "Dry Weight Corrected"	2640 ug/kg	50.0	99	(70%-130%)
Toluene-d8	SW846 8260C Volatiles "Dry Weight Corrected"	2670 ug/kg	50.0	100	(81%-120%)
1,2-Dichloroethane-d4	SW846 8260C Volatiles "Dry Weight Corrected"	60.8 ug/kg	50.0	112	(81%-124%)
Bromofluorobenzene	SW846 8260C Volatiles "Dry Weight Corrected"	72.6 ug/kg	50.0	134*	(70%-130%)
Toluene-d8	SW846 8260C Volatiles "Dry Weight Corrected"	71.7 ug/kg	50.0	132*	(81%-120%)

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration

Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: August 22, 2018

Company : URS
Address : 2425 River Road (c/o SPRU DP)

Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: SW09	Project: URSC00211
Sample ID: 456917005	Client ID: URSC013
Matrix: Soil	
Collect Date: 09-AUG-18 08:28	
Receive Date: 10-AUG-18	
Collector: Client	
Moisture: 8.7%	

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Volatile Organics												
SW846 8260C Volatiles "Dry Weight Corrected"												
1,1,1-Trichloroethane	U	ND	15.8	105	ug/kg	0.962	50	JP1	08/18/18	0828	1794368	1
1,1,2,2-Tetrachloroethane	U	ND	15.8	105	ug/kg	0.962	50					
1,1,2-Trichloroethane	U	ND	15.8	105	ug/kg	0.962	50					
1,1-Dichloroethane	U	ND	15.8	105	ug/kg	0.962	50					
1,1-Dichloroethylene	U	ND	15.8	105	ug/kg	0.962	50					
1,2,3-Trichlorobenzene	U	ND	15.8	105	ug/kg	0.962	50					
1,2,4-Trichlorobenzene	U	ND	15.8	105	ug/kg	0.962	50					
1,2-Dibromo-3-chloropropane	U	ND	26.3	105	ug/kg	0.962	50					
1,2-Dibromoethane	U	ND	15.8	105	ug/kg	0.962	50					
1,2-Dichlorobenzene	U	ND	15.8	105	ug/kg	0.962	50					
1,2-Dichloroethane	U	ND	15.8	105	ug/kg	0.962	50					
1,2-Dichloropropane	U	ND	15.8	105	ug/kg	0.962	50					
1,3-Dichlorobenzene	U	ND	15.8	105	ug/kg	0.962	50					
1,4-Dichlorobenzene	U	ND	15.8	105	ug/kg	0.962	50					
1,4-Dioxane	U	ND	790	2630	ug/kg	0.962	50					
2-Butanone	U	ND	158	527	ug/kg	0.962	50					
2-Hexanone	U	ND	158	527	ug/kg	0.962	50					
4-Methyl-2-pentanone	U	ND	158	527	ug/kg	0.962	50					
Acetone	U	ND	158	527	ug/kg	0.962	50					
Benzene	U	ND	15.8	105	ug/kg	0.962	50					
Bromochloromethane	U	ND	15.8	105	ug/kg	0.962	50					
Bromodichloromethane	U	ND	15.8	105	ug/kg	0.962	50					
Bromoform	U	ND	15.8	105	ug/kg	0.962	50					
Bromomethane	U	ND	15.8	105	ug/kg	0.962	50					
Carbon disulfide	U	ND	84.3	527	ug/kg	0.962	50					
Carbon tetrachloride	U	ND	15.8	105	ug/kg	0.962	50					
Chlorobenzene	U	ND	15.8	105	ug/kg	0.962	50					
Chloroethane	U	ND	15.8	105	ug/kg	0.962	50					
Chloroform	U	ND	15.8	105	ug/kg	0.962	50					
Chloromethane	U	ND	15.8	105	ug/kg	0.962	50					
Cyclohexane	U	ND	15.8	105	ug/kg	0.962	50					
Dibromochloromethane	U	ND	15.8	105	ug/kg	0.962	50					
Dichlorodifluoromethane	U	ND	15.8	105	ug/kg	0.962	50					
Ethylbenzene	U	ND	15.8	105	ug/kg	0.962	50					
Isopropylbenzene	U	ND	15.8	105	ug/kg	0.962	50					
Methyl acetate	U	ND	79.0	263	ug/kg	0.962	50					

GEL LABORATORIES LLC

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Certificate of Analysis

Report Date: August 22, 2018

Company : URS
Address : 2425 River Road (c/o SPRU DP)

Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: SW09

Project: URSC00211

Sample ID: 456917005

Client ID: URSC013

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Volatile Organics												
SW846 8260C Volatiles "Dry Weight Corrected"												
Methylcyclohexane	U	ND	15.8	105	ug/kg	0.962	50					
Methylene chloride	U	ND	84.3	263	ug/kg	0.962	50					
Styrene	U	ND	15.8	105	ug/kg	0.962	50					
Tetrachloroethylene	U	ND	15.8	105	ug/kg	0.962	50					
Toluene	U	ND	15.8	105	ug/kg	0.962	50					
Trichloroethylene	U	ND	15.8	105	ug/kg	0.962	50					
Trichlorofluoromethane	U	ND	15.8	105	ug/kg	0.962	50					
Trichlorotrifluoroethane	U	ND	84.3	263	ug/kg	0.962	50					
Vinyl chloride	U	ND	15.8	105	ug/kg	0.962	50					
cis-1,2-Dichloroethylene	U	ND	15.8	105	ug/kg	0.962	50					
cis-1,3-Dichloropropylene	U	ND	15.8	105	ug/kg	0.962	50					
m,p-Xylenes	U	ND	15.8	211	ug/kg	0.962	50					
o-Xylene	U	ND	15.8	105	ug/kg	0.962	50					
tert-Butyl methyl ether	U	ND	15.8	105	ug/kg	0.962	50					
trans-1,2-Dichloroethylene	U	ND	15.8	105	ug/kg	0.962	50					
trans-1,3-Dichloropropylene	U	ND	15.8	105	ug/kg	0.962	50					
1,1,1-Trichloroethane	U	ND	0.316	2.11	ug/kg	0.962	1	JP1	08/20/18	1421	1794368	2
1,1,2,2-Tetrachloroethane	U	ND	0.316	2.11	ug/kg	0.962	1					
1,1,2-Trichloroethane	U	ND	0.316	2.11	ug/kg	0.962	1					
1,1-Dichloroethane	U	ND	0.316	2.11	ug/kg	0.962	1					
1,1-Dichloroethylene	U	ND	0.316	2.11	ug/kg	0.962	1					
1,2,3-Trichlorobenzene	U	ND	0.316	2.11	ug/kg	0.962	1					
1,2,4-Trichlorobenzene	U	ND	0.316	2.11	ug/kg	0.962	1					
1,2-Dibromo-3-chloropropane	U	ND	0.527	2.11	ug/kg	0.962	1					
1,2-Dibromoethane	U	ND	0.316	2.11	ug/kg	0.962	1					
1,2-Dichlorobenzene	U	ND	0.316	2.11	ug/kg	0.962	1					
1,2-Dichloroethane	U	ND	0.316	2.11	ug/kg	0.962	1					
1,2-Dichloropropane	U	ND	0.316	2.11	ug/kg	0.962	1					
1,3-Dichlorobenzene	U	ND	0.316	2.11	ug/kg	0.962	1					
1,4-Dichlorobenzene	U	ND	0.316	2.11	ug/kg	0.962	1					
1,4-Dioxane	U	ND	15.8	52.7	ug/kg	0.962	1					
2-Butanone	U	ND	3.16	10.5	ug/kg	0.962	1					
2-Hexanone	U	ND	3.16	10.5	ug/kg	0.962	1					
4-Methyl-2-pentanone	U	ND	3.16	10.5	ug/kg	0.962	1					
Acetone	U	ND	3.16	10.5	ug/kg	0.962	1					
Benzene	U	ND	0.316	2.11	ug/kg	0.962	1					

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Certificate of Analysis

Report Date: August 22, 2018

Company : URS
Address : 2425 River Road (c/o SPRU DP)

Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: SW09	Project: URSC00211
Sample ID: 456917005	Client ID: URSC013

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Volatiles Organics												
SW846 8260C Volatiles "Dry Weight Corrected"												
Bromochloromethane	U	ND	0.316	2.11	ug/kg	0.962	1					
Bromodichloromethane	U	ND	0.316	2.11	ug/kg	0.962	1					
Bromoform	U	ND	0.316	2.11	ug/kg	0.962	1					
Bromomethane	U	ND	0.316	2.11	ug/kg	0.962	1					
Carbon disulfide	J	4.05	1.69	10.5	ug/kg	0.962	1					
Carbon tetrachloride	U	ND	0.316	2.11	ug/kg	0.962	1					
Chlorobenzene	U	ND	0.316	2.11	ug/kg	0.962	1					
Chloroethane	U	ND	0.316	2.11	ug/kg	0.962	1					
Chloroform	U	ND	0.316	2.11	ug/kg	0.962	1					
Chloromethane	U	ND	0.316	2.11	ug/kg	0.962	1					
Cyclohexane	U	ND	0.316	2.11	ug/kg	0.962	1					
Dibromochloromethane	U	ND	0.316	2.11	ug/kg	0.962	1					
Dichlorodifluoromethane	U	ND	0.316	2.11	ug/kg	0.962	1					
Ethylbenzene	U	ND	0.316	2.11	ug/kg	0.962	1					
Isopropylbenzene	U	ND	0.316	2.11	ug/kg	0.962	1					
Methyl acetate	U	ND	1.58	5.27	ug/kg	0.962	1					
Methylcyclohexane	U	ND	0.316	2.11	ug/kg	0.962	1					
Methylene chloride	U	ND	1.69	5.27	ug/kg	0.962	1					
Styrene	U	ND	0.316	2.11	ug/kg	0.962	1					
Tetrachloroethylene	U	ND	0.316	2.11	ug/kg	0.962	1					
Toluene	U	ND	0.316	2.11	ug/kg	0.962	1					
Trichloroethylene	U	ND	0.316	2.11	ug/kg	0.962	1					
Trichlorofluoromethane	U	ND	0.316	2.11	ug/kg	0.962	1					
Trichlorotrifluoroethane	U	ND	1.69	5.27	ug/kg	0.962	1					
Vinyl chloride	U	ND	0.316	2.11	ug/kg	0.962	1					
cis-1,2-Dichloroethylene	U	ND	0.316	2.11	ug/kg	0.962	1					
cis-1,3-Dichloropropylene	U	ND	0.316	2.11	ug/kg	0.962	1					
m,p-Xylenes	U	ND	0.316	4.21	ug/kg	0.962	1					
o-Xylene	U	ND	0.316	2.11	ug/kg	0.962	1					
tert-Butyl methyl ether	U	ND	0.316	2.11	ug/kg	0.962	1					
trans-1,2-Dichloroethylene	U	ND	0.316	2.11	ug/kg	0.962	1					
trans-1,3-Dichloropropylene	U	ND	0.316	2.11	ug/kg	0.962	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 5035A	5035A/8260C Prep	JP1	08/17/18	2207	1794367

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Company : URS
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Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: SW09

Project: URSC00211

Sample ID: 456917005

Client ID: URSC013

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time Batch	Method
SW846 5035A	5035A/8260C	Prep		JP1	08/20/18		1059		1794367		

The following Analytical Methods were performed:

Method	Description	Analyst	Comments
1	SW846 5035A/8260C		
2	SW846 5035A/8260C		

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	SW846 8260C Volatiles "Dry Weight Corrected"	2560 ug/kg	50.0	97	(81%-124%)
Bromofluorobenzene	SW846 8260C Volatiles "Dry Weight Corrected"	2540 ug/kg	50.0	96	(70%-130%)
Toluene-d8	SW846 8260C Volatiles "Dry Weight Corrected"	2830 ug/kg	50.0	107	(81%-120%)
1,2-Dichloroethane-d4	SW846 8260C Volatiles "Dry Weight Corrected"	58.9 ug/kg	50.0	112	(81%-124%)
Bromofluorobenzene	SW846 8260C Volatiles "Dry Weight Corrected"	55.4 ug/kg	50.0	105	(70%-130%)
Toluene-d8	SW846 8260C Volatiles "Dry Weight Corrected"	67.5 ug/kg	50.0	128*	(81%-120%)

Notes:

Column headers are defined as follows:

DF: Dilution Factor

Lc/LC: Critical Level

DL: Detection Limit

PF: Prep Factor

MDA: Minimum Detectable Activity

RL: Reporting Limit

MDC: Minimum Detectable Concentration

SQL: Sample Quantitation Limit

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: August 22, 2018

Company : URS
Address : 2425 River Road (c/o SPRU DP)

Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: SW10	Project: URSC00211
Sample ID: 456917006	Client ID: URSC013
Matrix: Soil	
Collect Date: 09-AUG-18 08:30	
Receive Date: 10-AUG-18	
Collector: Client	
Moisture: 7.27%	

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Volatile Organics												
SW846 8260C Volatiles "Dry Weight Corrected"												
1,1,1-Trichloroethane	U	ND	16.2	108	ug/kg	1.00	50	JP1	08/18/18	0859	1794368	1
1,1,2,2-Tetrachloroethane	U	ND	16.2	108	ug/kg	1.00	50					
1,1,2-Trichloroethane	U	ND	16.2	108	ug/kg	1.00	50					
1,1-Dichloroethane	U	ND	16.2	108	ug/kg	1.00	50					
1,1-Dichloroethylene	U	ND	16.2	108	ug/kg	1.00	50					
1,2,3-Trichlorobenzene	U	ND	16.2	108	ug/kg	1.00	50					
1,2,4-Trichlorobenzene	U	ND	16.2	108	ug/kg	1.00	50					
1,2-Dibromo-3-chloropropane	U	ND	27.0	108	ug/kg	1.00	50					
1,2-Dibromoethane	U	ND	16.2	108	ug/kg	1.00	50					
1,2-Dichlorobenzene	U	ND	16.2	108	ug/kg	1.00	50					
1,2-Dichloroethane	U	ND	16.2	108	ug/kg	1.00	50					
1,2-Dichloropropane	U	ND	16.2	108	ug/kg	1.00	50					
1,3-Dichlorobenzene	U	ND	16.2	108	ug/kg	1.00	50					
1,4-Dichlorobenzene	U	ND	16.2	108	ug/kg	1.00	50					
1,4-Dioxane	U	ND	809	2700	ug/kg	1.00	50					
2-Butanone	U	ND	162	539	ug/kg	1.00	50					
2-Hexanone	U	ND	162	539	ug/kg	1.00	50					
4-Methyl-2-pentanone	U	ND	162	539	ug/kg	1.00	50					
Acetone	U	ND	162	539	ug/kg	1.00	50					
Benzene	U	ND	16.2	108	ug/kg	1.00	50					
Bromochloromethane	U	ND	16.2	108	ug/kg	1.00	50					
Bromodichloromethane	U	ND	16.2	108	ug/kg	1.00	50					
Bromoform	U	ND	16.2	108	ug/kg	1.00	50					
Bromomethane	U	ND	16.2	108	ug/kg	1.00	50					
Carbon disulfide	U	ND	86.3	539	ug/kg	1.00	50					
Carbon tetrachloride	U	ND	16.2	108	ug/kg	1.00	50					
Chlorobenzene	U	ND	16.2	108	ug/kg	1.00	50					
Chloroethane	U	ND	16.2	108	ug/kg	1.00	50					
Chloroform	U	ND	16.2	108	ug/kg	1.00	50					
Chloromethane	U	ND	16.2	108	ug/kg	1.00	50					
Cyclohexane	U	ND	16.2	108	ug/kg	1.00	50					
Dibromochloromethane	U	ND	16.2	108	ug/kg	1.00	50					
Dichlorodifluoromethane	U	ND	16.2	108	ug/kg	1.00	50					
Ethylbenzene	U	ND	16.2	108	ug/kg	1.00	50					
Isopropylbenzene	U	ND	16.2	108	ug/kg	1.00	50					
Methyl acetate	U	ND	80.9	270	ug/kg	1.00	50					

GEL LABORATORIES LLC

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Certificate of Analysis

Report Date: August 22, 2018

Company : URS
Address : 2425 River Road (c/o SPRU DP)

Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: SW10

Project: URSC00211

Sample ID: 456917006

Client ID: URSC013

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Volatile Organics												
SW846 8260C Volatiles "Dry Weight Corrected"												
Methylcyclohexane	U	ND	16.2	108	ug/kg	1.00	50					
Methylene chloride	U	ND	86.3	270	ug/kg	1.00	50					
Styrene	U	ND	16.2	108	ug/kg	1.00	50					
Tetrachloroethylene	U	ND	16.2	108	ug/kg	1.00	50					
Toluene	U	ND	16.2	108	ug/kg	1.00	50					
Trichloroethylene	J	105	16.2	108	ug/kg	1.00	50					
Trichlorofluoromethane	U	ND	16.2	108	ug/kg	1.00	50					
Trichlorotrifluoroethane	U	ND	86.3	270	ug/kg	1.00	50					
Vinyl chloride	U	ND	16.2	108	ug/kg	1.00	50					
cis-1,2-Dichloroethylene	U	ND	16.2	108	ug/kg	1.00	50					
cis-1,3-Dichloropropylene	U	ND	16.2	108	ug/kg	1.00	50					
m,p-Xylenes	U	ND	16.2	216	ug/kg	1.00	50					
o-Xylene	U	ND	16.2	108	ug/kg	1.00	50					
tert-Butyl methyl ether	U	ND	16.2	108	ug/kg	1.00	50					
trans-1,2-Dichloroethylene	U	ND	16.2	108	ug/kg	1.00	50					
trans-1,3-Dichloropropylene	U	ND	16.2	108	ug/kg	1.00	50					
1,1,1-Trichloroethane	U	ND	0.317	2.11	ug/kg	0.980	1	JP1	08/20/18	1452	1794368	2
1,1,2,2-Tetrachloroethane	U	ND	0.317	2.11	ug/kg	0.980	1					
1,1,2-Trichloroethane	U	ND	0.317	2.11	ug/kg	0.980	1					
1,1-Dichloroethane	U	ND	0.317	2.11	ug/kg	0.980	1					
1,1-Dichloroethylene	U	ND	0.317	2.11	ug/kg	0.980	1					
1,2,3-Trichlorobenzene	U	ND	0.317	2.11	ug/kg	0.980	1					
1,2,4-Trichlorobenzene	U	ND	0.317	2.11	ug/kg	0.980	1					
1,2-Dibromo-3-chloropropane	U	ND	0.529	2.11	ug/kg	0.980	1					
1,2-Dibromoethane	U	ND	0.317	2.11	ug/kg	0.980	1					
1,2-Dichlorobenzene	U	ND	0.317	2.11	ug/kg	0.980	1					
1,2-Dichloroethane	U	ND	0.317	2.11	ug/kg	0.980	1					
1,2-Dichloropropane	U	ND	0.317	2.11	ug/kg	0.980	1					
1,3-Dichlorobenzene	U	ND	0.317	2.11	ug/kg	0.980	1					
1,4-Dichlorobenzene	U	ND	0.317	2.11	ug/kg	0.980	1					
1,4-Dioxane	U	ND	15.9	52.9	ug/kg	0.980	1					
2-Butanone	U	ND	3.17	10.6	ug/kg	0.980	1					
2-Hexanone	U	ND	3.17	10.6	ug/kg	0.980	1					
4-Methyl-2-pentanone	U	ND	3.17	10.6	ug/kg	0.980	1					
Acetone	U	ND	3.17	10.6	ug/kg	0.980	1					
Benzene	U	ND	0.317	2.11	ug/kg	0.980	1					

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Certificate of Analysis

Report Date: August 22, 2018

Company : URS
Address : 2425 River Road (c/o SPRU DP)

Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: SW10	Project: URSC00211
Sample ID: 456917006	Client ID: URSC013

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Volatiles Organics												
SW846 8260C Volatiles "Dry Weight Corrected"												
Bromochloromethane	U	ND	0.317	2.11	ug/kg	0.980	1					
Bromodichloromethane	U	ND	0.317	2.11	ug/kg	0.980	1					
Bromoform	U	ND	0.317	2.11	ug/kg	0.980	1					
Bromomethane	U	ND	0.317	2.11	ug/kg	0.980	1					
Carbon disulfide	U	ND	1.69	10.6	ug/kg	0.980	1					
Carbon tetrachloride	U	ND	0.317	2.11	ug/kg	0.980	1					
Chlorobenzene	U	ND	0.317	2.11	ug/kg	0.980	1					
Chloroethane	U	ND	0.317	2.11	ug/kg	0.980	1					
Chloroform	U	ND	0.317	2.11	ug/kg	0.980	1					
Chloromethane	U	ND	0.317	2.11	ug/kg	0.980	1					
Cyclohexane	U	ND	0.317	2.11	ug/kg	0.980	1					
Dibromochloromethane	U	ND	0.317	2.11	ug/kg	0.980	1					
Dichlorodifluoromethane	U	ND	0.317	2.11	ug/kg	0.980	1					
Ethylbenzene	U	ND	0.317	2.11	ug/kg	0.980	1					
Isopropylbenzene	U	ND	0.317	2.11	ug/kg	0.980	1					
Methyl acetate	U	ND	1.59	5.29	ug/kg	0.980	1					
Methylcyclohexane	U	ND	0.317	2.11	ug/kg	0.980	1					
Methylene chloride	J	3.94	1.69	5.29	ug/kg	0.980	1					
Styrene	U	ND	0.317	2.11	ug/kg	0.980	1					
Tetrachloroethylene	U	ND	0.317	2.11	ug/kg	0.980	1					
Toluene	U	ND	0.317	2.11	ug/kg	0.980	1					
Trichloroethylene		4.70	0.317	2.11	ug/kg	0.980	1					
Trichlorofluoromethane	U	ND	0.317	2.11	ug/kg	0.980	1					
Trichlorotrifluoroethane	U	ND	1.69	5.29	ug/kg	0.980	1					
Vinyl chloride	U	ND	0.317	2.11	ug/kg	0.980	1					
cis-1,2-Dichloroethylene	U	ND	0.317	2.11	ug/kg	0.980	1					
cis-1,3-Dichloropropylene	U	ND	0.317	2.11	ug/kg	0.980	1					
m,p-Xylenes	U	ND	0.317	4.23	ug/kg	0.980	1					
o-Xylene	U	ND	0.317	2.11	ug/kg	0.980	1					
tert-Butyl methyl ether	U	ND	0.317	2.11	ug/kg	0.980	1					
trans-1,2-Dichloroethylene	U	ND	0.317	2.11	ug/kg	0.980	1					
trans-1,3-Dichloropropylene	U	ND	0.317	2.11	ug/kg	0.980	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 5035A	5035A/8260C Prep	JP1	08/17/18	2208	1794367

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Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: SW10

Project: URSC00211

Sample ID: 456917006

Client ID: URSC013

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time Batch	Method
SW846 5035A	5035A/8260C	Prep		JP1	08/20/18		1100		1794367		

The following Analytical Methods were performed:

Method	Description	Analyst	Comments
1	SW846 5035A/8260C		
2	SW846 5035A/8260C		

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	SW846 8260C Volatiles "Dry Weight Corrected"	2670 ug/kg	50.0	99	(81%-124%)
Bromofluorobenzene	SW846 8260C Volatiles "Dry Weight Corrected"	2460 ug/kg	50.0	91	(70%-130%)
Toluene-d8	SW846 8260C Volatiles "Dry Weight Corrected"	2710 ug/kg	50.0	101	(81%-120%)
1,2-Dichloroethane-d4	SW846 8260C Volatiles "Dry Weight Corrected"	57.9 ug/kg	50.0	109	(81%-124%)
Bromofluorobenzene	SW846 8260C Volatiles "Dry Weight Corrected"	65.5 ug/kg	50.0	124	(70%-130%)
Toluene-d8	SW846 8260C Volatiles "Dry Weight Corrected"	75.6 ug/kg	50.0	143*	(81%-120%)

Notes:

Column headers are defined as follows:

DF: Dilution Factor

Lc/LC: Critical Level

DL: Detection Limit

PF: Prep Factor

MDA: Minimum Detectable Activity

RL: Reporting Limit

MDC: Minimum Detectable Concentration

SQL: Sample Quantitation Limit

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: August 22, 2018

Company : URS
Address : 2425 River Road (c/o SPRU DP)

Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: SW11	Project: URSC00211
Sample ID: 456917007	Client ID: URSC013
Matrix: Soil	
Collect Date: 09-AUG-18 08:32	
Receive Date: 10-AUG-18	
Collector: Client	
Moisture: 8.28%	

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Volatile Organics												
SW846 8260C Volatiles "Dry Weight Corrected"												
1,1,1-Trichloroethane	U	ND	15.4	103	ug/kg	0.943	50	JP1	08/18/18	0930	1794368	1
1,1,2,2-Tetrachloroethane	U	ND	15.4	103	ug/kg	0.943	50					
1,1,2-Trichloroethane	U	ND	15.4	103	ug/kg	0.943	50					
1,1-Dichloroethane	U	ND	15.4	103	ug/kg	0.943	50					
1,1-Dichloroethylene	U	ND	15.4	103	ug/kg	0.943	50					
1,2,3-Trichlorobenzene	U	ND	15.4	103	ug/kg	0.943	50					
1,2,4-Trichlorobenzene	U	ND	15.4	103	ug/kg	0.943	50					
1,2-Dibromo-3-chloropropane	U	ND	25.7	103	ug/kg	0.943	50					
1,2-Dibromoethane	U	ND	15.4	103	ug/kg	0.943	50					
1,2-Dichlorobenzene	U	ND	15.4	103	ug/kg	0.943	50					
1,2-Dichloroethane	U	ND	15.4	103	ug/kg	0.943	50					
1,2-Dichloropropane	U	ND	15.4	103	ug/kg	0.943	50					
1,3-Dichlorobenzene	U	ND	15.4	103	ug/kg	0.943	50					
1,4-Dichlorobenzene	U	ND	15.4	103	ug/kg	0.943	50					
1,4-Dioxane	U	ND	771	2570	ug/kg	0.943	50					
2-Butanone	U	ND	154	514	ug/kg	0.943	50					
2-Hexanone	U	ND	154	514	ug/kg	0.943	50					
4-Methyl-2-pentanone	U	ND	154	514	ug/kg	0.943	50					
Acetone	U	ND	154	514	ug/kg	0.943	50					
Benzene	U	ND	15.4	103	ug/kg	0.943	50					
Bromochloromethane	U	ND	15.4	103	ug/kg	0.943	50					
Bromodichloromethane	U	ND	15.4	103	ug/kg	0.943	50					
Bromoform	U	ND	15.4	103	ug/kg	0.943	50					
Bromomethane	U	ND	15.4	103	ug/kg	0.943	50					
Carbon disulfide	U	ND	82.3	514	ug/kg	0.943	50					
Carbon tetrachloride	U	ND	15.4	103	ug/kg	0.943	50					
Chlorobenzene	U	ND	15.4	103	ug/kg	0.943	50					
Chloroethane	U	ND	15.4	103	ug/kg	0.943	50					
Chloroform	U	ND	15.4	103	ug/kg	0.943	50					
Chloromethane	U	ND	15.4	103	ug/kg	0.943	50					
Cyclohexane	U	ND	15.4	103	ug/kg	0.943	50					
Dibromochloromethane	U	ND	15.4	103	ug/kg	0.943	50					
Dichlorodifluoromethane	U	ND	15.4	103	ug/kg	0.943	50					
Ethylbenzene	U	ND	15.4	103	ug/kg	0.943	50					
Isopropylbenzene	U	ND	15.4	103	ug/kg	0.943	50					
Methyl acetate	U	ND	77.1	257	ug/kg	0.943	50					

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Certificate of Analysis

Report Date: August 22, 2018

Company : URS
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Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: SW11

Project: URSC00211

Sample ID: 456917007

Client ID: URSC013

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Volatile Organics												
SW846 8260C Volatiles "Dry Weight Corrected"												
Methylcyclohexane	U	ND	15.4	103	ug/kg	0.943	50					
Methylene chloride	U	ND	82.3	257	ug/kg	0.943	50					
Styrene	U	ND	15.4	103	ug/kg	0.943	50					
Tetrachloroethylene	U	ND	15.4	103	ug/kg	0.943	50					
Toluene	U	ND	15.4	103	ug/kg	0.943	50					
Trichloroethylene	U	ND	15.4	103	ug/kg	0.943	50					
Trichlorofluoromethane	U	ND	15.4	103	ug/kg	0.943	50					
Trichlorotrifluoroethane	U	ND	82.3	257	ug/kg	0.943	50					
Vinyl chloride	U	ND	15.4	103	ug/kg	0.943	50					
cis-1,2-Dichloroethylene	U	ND	15.4	103	ug/kg	0.943	50					
cis-1,3-Dichloropropylene	U	ND	15.4	103	ug/kg	0.943	50					
m,p-Xylenes	U	ND	15.4	206	ug/kg	0.943	50					
o-Xylene	U	ND	15.4	103	ug/kg	0.943	50					
tert-Butyl methyl ether	U	ND	15.4	103	ug/kg	0.943	50					
trans-1,2-Dichloroethylene	U	ND	15.4	103	ug/kg	0.943	50					
trans-1,3-Dichloropropylene	U	ND	15.4	103	ug/kg	0.943	50					
1,1,1-Trichloroethane	U	ND	0.327	2.18	ug/kg	1.00	1	JP1	08/20/18	1523	1794368	2
1,1,2,2-Tetrachloroethane	U	ND	0.327	2.18	ug/kg	1.00	1					
1,1,2-Trichloroethane	U	ND	0.327	2.18	ug/kg	1.00	1					
1,1-Dichloroethane	U	ND	0.327	2.18	ug/kg	1.00	1					
1,1-Dichloroethylene	U	ND	0.327	2.18	ug/kg	1.00	1					
1,2,3-Trichlorobenzene	U	ND	0.327	2.18	ug/kg	1.00	1					
1,2,4-Trichlorobenzene	U	ND	0.327	2.18	ug/kg	1.00	1					
1,2-Dibromo-3-chloropropane	U	ND	0.545	2.18	ug/kg	1.00	1					
1,2-Dibromoethane	U	ND	0.327	2.18	ug/kg	1.00	1					
1,2-Dichlorobenzene	U	ND	0.327	2.18	ug/kg	1.00	1					
1,2-Dichloroethane	U	ND	0.327	2.18	ug/kg	1.00	1					
1,2-Dichloropropane	U	ND	0.327	2.18	ug/kg	1.00	1					
1,3-Dichlorobenzene	U	ND	0.327	2.18	ug/kg	1.00	1					
1,4-Dichlorobenzene	U	ND	0.327	2.18	ug/kg	1.00	1					
1,4-Dioxane	U	ND	16.4	54.5	ug/kg	1.00	1					
2-Butanone	U	ND	3.27	10.9	ug/kg	1.00	1					
2-Hexanone	U	ND	3.27	10.9	ug/kg	1.00	1					
4-Methyl-2-pentanone	U	ND	3.27	10.9	ug/kg	1.00	1					
Acetone	U	ND	3.27	10.9	ug/kg	1.00	1					
Benzene	U	ND	0.327	2.18	ug/kg	1.00	1					

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Company : URS
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Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: SW11

Project: URSC00211

Sample ID: 456917007

Client ID: URSC013

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Volatiles Organics												
SW846 8260C Volatiles "Dry Weight Corrected"												
Bromochloromethane	U	ND	0.327	2.18	ug/kg	1.00	1					
Bromodichloromethane	U	ND	0.327	2.18	ug/kg	1.00	1					
Bromoform	U	ND	0.327	2.18	ug/kg	1.00	1					
Bromomethane	U	ND	0.327	2.18	ug/kg	1.00	1					
Carbon disulfide	U	ND	1.74	10.9	ug/kg	1.00	1					
Carbon tetrachloride	U	ND	0.327	2.18	ug/kg	1.00	1					
Chlorobenzene	U	ND	0.327	2.18	ug/kg	1.00	1					
Chloroethane	U	ND	0.327	2.18	ug/kg	1.00	1					
Chloroform	U	ND	0.327	2.18	ug/kg	1.00	1					
Chloromethane	U	ND	0.327	2.18	ug/kg	1.00	1					
Cyclohexane	U	ND	0.327	2.18	ug/kg	1.00	1					
Dibromochloromethane	U	ND	0.327	2.18	ug/kg	1.00	1					
Dichlorodifluoromethane	U	ND	0.327	2.18	ug/kg	1.00	1					
Ethylbenzene	U	ND	0.327	2.18	ug/kg	1.00	1					
Isopropylbenzene	U	ND	0.327	2.18	ug/kg	1.00	1					
Methyl acetate	U	ND	1.64	5.45	ug/kg	1.00	1					
Methylcyclohexane	U	ND	0.327	2.18	ug/kg	1.00	1					
Methylene chloride	U	ND	1.74	5.45	ug/kg	1.00	1					
Styrene	U	ND	0.327	2.18	ug/kg	1.00	1					
Tetrachloroethylene	U	ND	0.327	2.18	ug/kg	1.00	1					
Toluene	U	ND	0.327	2.18	ug/kg	1.00	1					
Trichloroethylene	J	0.382	0.327	2.18	ug/kg	1.00	1					
Trichlorofluoromethane	U	ND	0.327	2.18	ug/kg	1.00	1					
Trichlorotrifluoroethane	U	ND	1.74	5.45	ug/kg	1.00	1					
Vinyl chloride	U	ND	0.327	2.18	ug/kg	1.00	1					
cis-1,2-Dichloroethylene	U	ND	0.327	2.18	ug/kg	1.00	1					
cis-1,3-Dichloropropylene	U	ND	0.327	2.18	ug/kg	1.00	1					
m,p-Xylenes	U	ND	0.327	4.36	ug/kg	1.00	1					
o-Xylene	U	ND	0.327	2.18	ug/kg	1.00	1					
tert-Butyl methyl ether	U	ND	0.327	2.18	ug/kg	1.00	1					
trans-1,2-Dichloroethylene	U	ND	0.327	2.18	ug/kg	1.00	1					
trans-1,3-Dichloropropylene	U	ND	0.327	2.18	ug/kg	1.00	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 5035A	5035A/8260C Prep	JP1	08/17/18	2209	1794367

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: August 22, 2018

Company : URS
Address : 2425 River Road (c/o SPRU DP)

Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: SW11

Project: URSC00211

Sample ID: 456917007

Client ID: URSC013

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time Batch	Method
SW846 5035A	5035A/8260C	Prep		JP1	08/20/18		1101		1794367		

The following Analytical Methods were performed:

Method	Description	Analyst	Comments
1	SW846 5035A/8260C		
2	SW846 5035A/8260C		

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	SW846 8260C Volatiles "Dry Weight Corrected"	2540 ug/kg	50.0	99	(81%-124%)
Bromofluorobenzene	SW846 8260C Volatiles "Dry Weight Corrected"	2410 ug/kg	50.0	94	(70%-130%)
Toluene-d8	SW846 8260C Volatiles "Dry Weight Corrected"	2470 ug/kg	50.0	96	(81%-120%)
1,2-Dichloroethane-d4	SW846 8260C Volatiles "Dry Weight Corrected"	61.9 ug/kg	50.0	114	(81%-124%)
Bromofluorobenzene	SW846 8260C Volatiles "Dry Weight Corrected"	63.2 ug/kg	50.0	116	(70%-130%)
Toluene-d8	SW846 8260C Volatiles "Dry Weight Corrected"	78.7 ug/kg	50.0	144*	(81%-120%)

Notes:

Column headers are defined as follows:

DF: Dilution Factor

Lc/LC: Critical Level

DL: Detection Limit

PF: Prep Factor

MDA: Minimum Detectable Activity

RL: Reporting Limit

MDC: Minimum Detectable Concentration

SQL: Sample Quantitation Limit

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455239
Lab Sample ID: 455239008

Client ID: SW12
Batch ID: 1785349
Run Date: 07/25/2018 18:29
Prep Date: 07/24/2018 13:30
Data File: 072518V3\3R316.D

Date Collected: 07/20/2018 14:45
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.5
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	109	ug/kg	16.4	109
79-34-5	1,1,2,2-Tetrachloroethane	U	109	ug/kg	16.4	109
79-00-5	1,1,2-Trichloroethane	U	109	ug/kg	16.4	109
75-34-3	1,1-Dichloroethane	U	109	ug/kg	16.4	109
75-35-4	1,1-Dichloroethylene	U	109	ug/kg	16.4	109
87-61-6	1,2,3-Trichlorobenzene	U	109	ug/kg	16.4	109
120-82-1	1,2,4-Trichlorobenzene	U	109	ug/kg	16.4	109
96-12-8	1,2-Dibromo-3-chloropropane	U	109	ug/kg	27.3	109
106-93-4	1,2-Dibromoethane	U	109	ug/kg	16.4	109
95-50-1	1,2-Dichlorobenzene	U	109	ug/kg	16.4	109
107-06-2	1,2-Dichloroethane	U	109	ug/kg	16.4	109
78-87-5	1,2-Dichloropropane	U	109	ug/kg	16.4	109
541-73-1	1,3-Dichlorobenzene	U	109	ug/kg	16.4	109
106-46-7	1,4-Dichlorobenzene	U	109	ug/kg	16.4	109
123-91-1	1,4-Dioxane	U	2730	ug/kg	819	2730
78-93-3	2-Butanone	U	546	ug/kg	164	546
591-78-6	2-Hexanone	U	546	ug/kg	164	546
108-10-1	4-Methyl-2-pentanone	U	546	ug/kg	164	546
67-64-1	Acetone	U	546	ug/kg	164	546
71-43-2	Benzene	U	109	ug/kg	16.4	109
74-97-5	Bromochloromethane	U	109	ug/kg	16.4	109
75-27-4	Bromodichloromethane	U	109	ug/kg	16.4	109
75-25-2	Bromoform	U	109	ug/kg	16.4	109
74-83-9	Bromomethane	U	109	ug/kg	16.4	109
75-15-0	Carbon disulfide	U	546	ug/kg	87.4	546
56-23-5	Carbon tetrachloride	U	109	ug/kg	16.4	109
108-90-7	Chlorobenzene	U	109	ug/kg	16.4	109
75-00-3	Chloroethane	U	109	ug/kg	16.4	109
67-66-3	Chloroform	U	109	ug/kg	16.4	109
74-87-3	Chloromethane	U	109	ug/kg	16.4	109
110-82-7	Cyclohexane	U	109	ug/kg	16.4	109
124-48-1	Dibromochloromethane	U	109	ug/kg	16.4	109
75-71-8	Dichlorodifluoromethane	U	109	ug/kg	16.4	109
100-41-4	Ethylbenzene	U	109	ug/kg	16.4	109
98-82-8	Isopropylbenzene	U	109	ug/kg	16.4	109
79-20-9	Methyl acetate	U	273	ug/kg	81.9	273
108-87-2	Methylcyclohexane	U	109	ug/kg	16.4	109
75-09-2	Methylene chloride	U	273	ug/kg	87.4	273

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455239
Lab Sample ID: 455239008

Client ID: SW12
Batch ID: 1785349
Run Date: 07/25/2018 18:29
Prep Date: 07/24/2018 13:30
Data File: 072518V3\3R316.D

Date Collected: 07/20/2018 14:45
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.5
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	109	ug/kg	16.4	109
127-18-4	Tetrachloroethylene	U	109	ug/kg	16.4	109
108-88-3	Toluene	U	109	ug/kg	16.4	109
79-01-6	Trichloroethylene	U	109	ug/kg	16.4	109
75-69-4	Trichlorofluoromethane	U	109	ug/kg	16.4	109
76-13-1	Trichlorotrifluoroethane	U	273	ug/kg	87.4	273
75-01-4	Vinyl chloride	U	109	ug/kg	16.4	109
156-59-2	cis-1,2-Dichloroethylene	U	109	ug/kg	16.4	109
10061-01-5	cis-1,3-Dichloropropylene	U	109	ug/kg	16.4	109
179601-23-1	m,p-Xylenes	U	218	ug/kg	16.4	218
95-47-6	o-Xylene	U	109	ug/kg	16.4	109
1634-04-4	tert-Butyl methyl ether	U	109	ug/kg	16.4	109
156-60-5	trans-1,2-Dichloroethylene	U	109	ug/kg	16.4	109
10061-02-6	trans-1,3-Dichloropropylene	U	109	ug/kg	16.4	109

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455239
Lab Sample ID: 455239008

Client ID: SW12RE
Batch ID: 1785349
Run Date: 07/28/2018 17:07
Prep Date: 07/28/2018 12:18
Data File: 072818V3\3R612.D

Date Collected: 07/20/2018 14:45
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.5
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	2.14	ug/kg	0.321	2.14
79-34-5	1,1,2,2-Tetrachloroethane	U	2.14	ug/kg	0.321	2.14
79-00-5	1,1,2-Trichloroethane	U	2.14	ug/kg	0.321	2.14
75-34-3	1,1-Dichloroethane	U	2.14	ug/kg	0.321	2.14
75-35-4	1,1-Dichloroethylene	U	2.14	ug/kg	0.321	2.14
87-61-6	1,2,3-Trichlorobenzene	U	2.14	ug/kg	0.321	2.14
120-82-1	1,2,4-Trichlorobenzene	U	2.14	ug/kg	0.321	2.14
96-12-8	1,2-Dibromo-3-chloropropane	U	2.14	ug/kg	0.536	2.14
106-93-4	1,2-Dibromoethane	U	2.14	ug/kg	0.321	2.14
95-50-1	1,2-Dichlorobenzene	U	2.14	ug/kg	0.321	2.14
107-06-2	1,2-Dichloroethane	U	2.14	ug/kg	0.321	2.14
78-87-5	1,2-Dichloropropane	U	2.14	ug/kg	0.321	2.14
541-73-1	1,3-Dichlorobenzene	U	2.14	ug/kg	0.321	2.14
106-46-7	1,4-Dichlorobenzene	U	2.14	ug/kg	0.321	2.14
123-91-1	1,4-Dioxane	U	53.6	ug/kg	16.1	53.6
78-93-3	2-Butanone	U	10.7	ug/kg	3.21	10.7
591-78-6	2-Hexanone	U	10.7	ug/kg	3.21	10.7
108-10-1	4-Methyl-2-pentanone	U	10.7	ug/kg	3.21	10.7
67-64-1	Acetone	J	4.92	ug/kg	3.21	10.7
71-43-2	Benzene	U	2.14	ug/kg	0.321	2.14
74-97-5	Bromochloromethane	U	2.14	ug/kg	0.321	2.14
75-27-4	Bromodichloromethane	U	2.14	ug/kg	0.321	2.14
75-25-2	Bromoform	U	2.14	ug/kg	0.321	2.14
74-83-9	Bromomethane	U	2.14	ug/kg	0.321	2.14
75-15-0	Carbon disulfide	U	10.7	ug/kg	1.71	10.7
56-23-5	Carbon tetrachloride	U	2.14	ug/kg	0.321	2.14
108-90-7	Chlorobenzene	U	2.14	ug/kg	0.321	2.14
75-00-3	Chloroethane	U	2.14	ug/kg	0.321	2.14
67-66-3	Chloroform	U	2.14	ug/kg	0.321	2.14
74-87-3	Chloromethane	U	2.14	ug/kg	0.321	2.14
110-82-7	Cyclohexane	U	2.14	ug/kg	0.321	2.14
124-48-1	Dibromochloromethane	U	2.14	ug/kg	0.321	2.14
75-71-8	Dichlorodifluoromethane	U	2.14	ug/kg	0.321	2.14
100-41-4	Ethylbenzene	U	2.14	ug/kg	0.321	2.14
98-82-8	Isopropylbenzene	U	2.14	ug/kg	0.321	2.14
79-20-9	Methyl acetate	U	5.36	ug/kg	1.61	5.36
108-87-2	Methylcyclohexane	U	2.14	ug/kg	0.321	2.14
75-09-2	Methylene chloride	U	5.36	ug/kg	1.71	5.36

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455239
Lab Sample ID: 455239008

Client ID: SW12RE
Batch ID: 1785349
Run Date: 07/28/2018 17:07
Prep Date: 07/28/2018 12:18
Data File: 072818V3\3R612.D

Date Collected: 07/20/2018 14:45
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.5
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	2.14	ug/kg	0.321	2.14
127-18-4	Tetrachloroethylene	U	2.14	ug/kg	0.321	2.14
108-88-3	Toluene	U	2.14	ug/kg	0.321	2.14
79-01-6	Trichloroethylene	U	2.14	ug/kg	0.321	2.14
75-69-4	Trichlorofluoromethane	U	2.14	ug/kg	0.321	2.14
76-13-1	Trichlorotrifluoroethane	U	5.36	ug/kg	1.71	5.36
75-01-4	Vinyl chloride	U	2.14	ug/kg	0.321	2.14
156-59-2	cis-1,2-Dichloroethylene	U	2.14	ug/kg	0.321	2.14
10061-01-5	cis-1,3-Dichloropropylene	U	2.14	ug/kg	0.321	2.14
179601-23-1	m,p-Xylenes	U	4.28	ug/kg	0.321	4.28
95-47-6	o-Xylene	U	2.14	ug/kg	0.321	2.14
1634-04-4	tert-Butyl methyl ether	U	2.14	ug/kg	0.321	2.14
156-60-5	trans-1,2-Dichloroethylene	U	2.14	ug/kg	0.321	2.14
10061-02-6	trans-1,3-Dichloropropylene	U	2.14	ug/kg	0.321	2.14

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455239
Lab Sample ID: 455239006

Client ID: SW13
Batch ID: 1785349
Run Date: 07/25/2018 17:27
Prep Date: 07/24/2018 13:28
Data File: 072518V3\3R314.D

Date Collected: 07/20/2018 14:30
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.2
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	107	ug/kg	16.0	107
79-34-5	1,1,2,2-Tetrachloroethane	U	107	ug/kg	16.0	107
79-00-5	1,1,2-Trichloroethane	U	107	ug/kg	16.0	107
75-34-3	1,1-Dichloroethane	U	107	ug/kg	16.0	107
75-35-4	1,1-Dichloroethylene	U	107	ug/kg	16.0	107
87-61-6	1,2,3-Trichlorobenzene	U	107	ug/kg	16.0	107
120-82-1	1,2,4-Trichlorobenzene	U	107	ug/kg	16.0	107
96-12-8	1,2-Dibromo-3-chloropropane	U	107	ug/kg	26.7	107
106-93-4	1,2-Dibromoethane	U	107	ug/kg	16.0	107
95-50-1	1,2-Dichlorobenzene	U	107	ug/kg	16.0	107
107-06-2	1,2-Dichloroethane	U	107	ug/kg	16.0	107
78-87-5	1,2-Dichloropropane	U	107	ug/kg	16.0	107
541-73-1	1,3-Dichlorobenzene	U	107	ug/kg	16.0	107
106-46-7	1,4-Dichlorobenzene	U	107	ug/kg	16.0	107
123-91-1	1,4-Dioxane	U	2670	ug/kg	801	2670
78-93-3	2-Butanone	U	534	ug/kg	160	534
591-78-6	2-Hexanone	U	534	ug/kg	160	534
108-10-1	4-Methyl-2-pentanone	U	534	ug/kg	160	534
67-64-1	Acetone	U	534	ug/kg	160	534
71-43-2	Benzene	U	107	ug/kg	16.0	107
74-97-5	Bromochloromethane	U	107	ug/kg	16.0	107
75-27-4	Bromodichloromethane	U	107	ug/kg	16.0	107
75-25-2	Bromoform	U	107	ug/kg	16.0	107
74-83-9	Bromomethane	U	107	ug/kg	16.0	107
75-15-0	Carbon disulfide	U	534	ug/kg	85.4	534
56-23-5	Carbon tetrachloride	U	107	ug/kg	16.0	107
108-90-7	Chlorobenzene	U	107	ug/kg	16.0	107
75-00-3	Chloroethane	U	107	ug/kg	16.0	107
67-66-3	Chloroform	U	107	ug/kg	16.0	107
74-87-3	Chloromethane	U	107	ug/kg	16.0	107
110-82-7	Cyclohexane	U	107	ug/kg	16.0	107
124-48-1	Dibromochloromethane	U	107	ug/kg	16.0	107
75-71-8	Dichlorodifluoromethane	U	107	ug/kg	16.0	107
100-41-4	Ethylbenzene	U	107	ug/kg	16.0	107
98-82-8	Isopropylbenzene	U	107	ug/kg	16.0	107
79-20-9	Methyl acetate	U	267	ug/kg	80.1	267
108-87-2	Methylcyclohexane	U	107	ug/kg	16.0	107
75-09-2	Methylene chloride	U	267	ug/kg	85.4	267

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455239
Lab Sample ID: 455239006

Client ID: SW13
Batch ID: 1785349
Run Date: 07/25/2018 17:27
Prep Date: 07/24/2018 13:28
Data File: 072518V3\3R314.D

Date Collected: 07/20/2018 14:30
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.2
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	107	ug/kg	16.0	107
127-18-4	Tetrachloroethylene	U	107	ug/kg	16.0	107
108-88-3	Toluene	U	107	ug/kg	16.0	107
79-01-6	Trichloroethylene	U	107	ug/kg	16.0	107
75-69-4	Trichlorofluoromethane	U	107	ug/kg	16.0	107
76-13-1	Trichlorotrifluoroethane	U	267	ug/kg	85.4	267
75-01-4	Vinyl chloride	U	107	ug/kg	16.0	107
156-59-2	cis-1,2-Dichloroethylene	U	107	ug/kg	16.0	107
10061-01-5	cis-1,3-Dichloropropylene	U	107	ug/kg	16.0	107
179601-23-1	m,p-Xylenes	U	213	ug/kg	16.0	213
95-47-6	o-Xylene	U	107	ug/kg	16.0	107
1634-04-4	tert-Butyl methyl ether	U	107	ug/kg	16.0	107
156-60-5	trans-1,2-Dichloroethylene	U	107	ug/kg	16.0	107
10061-02-6	trans-1,3-Dichloropropylene	U	107	ug/kg	16.0	107

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455239
Lab Sample ID: 455239006

Client ID: SW13RE
Batch ID: 1785349
Run Date: 07/27/2018 22:06
Prep Date: 07/27/2018 11:16
Data File: 072718V3\3R523.D

Date Collected: 07/20/2018 14:30
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.2
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	2.18	ug/kg	0.327	2.18
79-34-5	1,1,2,2-Tetrachloroethane	U	2.18	ug/kg	0.327	2.18
79-00-5	1,1,2-Trichloroethane	U	2.18	ug/kg	0.327	2.18
75-34-3	1,1-Dichloroethane	U	2.18	ug/kg	0.327	2.18
75-35-4	1,1-Dichloroethylene	U	2.18	ug/kg	0.327	2.18
87-61-6	1,2,3-Trichlorobenzene	U	2.18	ug/kg	0.327	2.18
120-82-1	1,2,4-Trichlorobenzene	U	2.18	ug/kg	0.327	2.18
96-12-8	1,2-Dibromo-3-chloropropane	U	2.18	ug/kg	0.544	2.18
106-93-4	1,2-Dibromoethane	U	2.18	ug/kg	0.327	2.18
95-50-1	1,2-Dichlorobenzene	U	2.18	ug/kg	0.327	2.18
107-06-2	1,2-Dichloroethane	U	2.18	ug/kg	0.327	2.18
78-87-5	1,2-Dichloropropane	U	2.18	ug/kg	0.327	2.18
541-73-1	1,3-Dichlorobenzene	U	2.18	ug/kg	0.327	2.18
106-46-7	1,4-Dichlorobenzene	U	2.18	ug/kg	0.327	2.18
123-91-1	1,4-Dioxane	U	54.4	ug/kg	16.3	54.4
78-93-3	2-Butanone	U	10.9	ug/kg	3.27	10.9
591-78-6	2-Hexanone	U	10.9	ug/kg	3.27	10.9
108-10-1	4-Methyl-2-pentanone	U	10.9	ug/kg	3.27	10.9
67-64-1	Acetone		13.9	ug/kg	3.27	10.9
71-43-2	Benzene	U	2.18	ug/kg	0.327	2.18
74-97-5	Bromochloromethane	U	2.18	ug/kg	0.327	2.18
75-27-4	Bromodichloromethane	U	2.18	ug/kg	0.327	2.18
75-25-2	Bromoform	U	2.18	ug/kg	0.327	2.18
74-83-9	Bromomethane	U	2.18	ug/kg	0.327	2.18
75-15-0	Carbon disulfide	U	10.9	ug/kg	1.74	10.9
56-23-5	Carbon tetrachloride	U	2.18	ug/kg	0.327	2.18
108-90-7	Chlorobenzene	U	2.18	ug/kg	0.327	2.18
75-00-3	Chloroethane	U	2.18	ug/kg	0.327	2.18
67-66-3	Chloroform	U	2.18	ug/kg	0.327	2.18
74-87-3	Chloromethane	U	2.18	ug/kg	0.327	2.18
110-82-7	Cyclohexane	U	2.18	ug/kg	0.327	2.18
124-48-1	Dibromochloromethane	U	2.18	ug/kg	0.327	2.18
75-71-8	Dichlorodifluoromethane	U	2.18	ug/kg	0.327	2.18
100-41-4	Ethylbenzene	U	2.18	ug/kg	0.327	2.18
98-82-8	Isopropylbenzene	U	2.18	ug/kg	0.327	2.18
79-20-9	Methyl acetate	U	5.44	ug/kg	1.63	5.44
108-87-2	Methylcyclohexane	U	2.18	ug/kg	0.327	2.18
75-09-2	Methylene chloride	U	5.44	ug/kg	1.74	5.44

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455239
Lab Sample ID: 455239006

Client ID: SW13RE
Batch ID: 1785349
Run Date: 07/27/2018 22:06
Prep Date: 07/27/2018 11:16
Data File: 072718V3\3R523.D

Date Collected: 07/20/2018 14:30
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.2
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	2.18	ug/kg	0.327	2.18
127-18-4	Tetrachloroethylene	U	2.18	ug/kg	0.327	2.18
108-88-3	Toluene	U	2.18	ug/kg	0.327	2.18
79-01-6	Trichloroethylene	U	2.18	ug/kg	0.327	2.18
75-69-4	Trichlorofluoromethane	U	2.18	ug/kg	0.327	2.18
76-13-1	Trichlorotrifluoroethane	U	5.44	ug/kg	1.74	5.44
75-01-4	Vinyl chloride	U	2.18	ug/kg	0.327	2.18
156-59-2	cis-1,2-Dichloroethylene	U	2.18	ug/kg	0.327	2.18
10061-01-5	cis-1,3-Dichloropropylene	U	2.18	ug/kg	0.327	2.18
179601-23-1	m,p-Xylenes	U	4.36	ug/kg	0.327	4.36
95-47-6	o-Xylene	U	2.18	ug/kg	0.327	2.18
1634-04-4	tert-Butyl methyl ether	U	2.18	ug/kg	0.327	2.18
156-60-5	trans-1,2-Dichloroethylene	U	2.18	ug/kg	0.327	2.18
10061-02-6	trans-1,3-Dichloropropylene	U	2.18	ug/kg	0.327	2.18

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455239
Lab Sample ID: 455239005

Client ID: SW14
Batch ID: 1785349
Run Date: 07/25/2018 16:55
Prep Date: 07/24/2018 13:27
Data File: 072518V3\3R313.D

Date Collected: 07/20/2018 14:25
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.2
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	107	ug/kg	16.0	107
79-34-5	1,1,2,2-Tetrachloroethane	U	107	ug/kg	16.0	107
79-00-5	1,1,2-Trichloroethane	U	107	ug/kg	16.0	107
75-34-3	1,1-Dichloroethane	U	107	ug/kg	16.0	107
75-35-4	1,1-Dichloroethylene	U	107	ug/kg	16.0	107
87-61-6	1,2,3-Trichlorobenzene	U	107	ug/kg	16.0	107
120-82-1	1,2,4-Trichlorobenzene	U	107	ug/kg	16.0	107
96-12-8	1,2-Dibromo-3-chloropropane	U	107	ug/kg	26.7	107
106-93-4	1,2-Dibromoethane	U	107	ug/kg	16.0	107
95-50-1	1,2-Dichlorobenzene	U	107	ug/kg	16.0	107
107-06-2	1,2-Dichloroethane	U	107	ug/kg	16.0	107
78-87-5	1,2-Dichloropropane	U	107	ug/kg	16.0	107
541-73-1	1,3-Dichlorobenzene	U	107	ug/kg	16.0	107
106-46-7	1,4-Dichlorobenzene	U	107	ug/kg	16.0	107
123-91-1	1,4-Dioxane	U	2670	ug/kg	801	2670
78-93-3	2-Butanone	U	534	ug/kg	160	534
591-78-6	2-Hexanone	U	534	ug/kg	160	534
108-10-1	4-Methyl-2-pentanone	U	534	ug/kg	160	534
67-64-1	Acetone	U	534	ug/kg	160	534
71-43-2	Benzene	U	107	ug/kg	16.0	107
74-97-5	Bromochloromethane	U	107	ug/kg	16.0	107
75-27-4	Bromodichloromethane	U	107	ug/kg	16.0	107
75-25-2	Bromoform	U	107	ug/kg	16.0	107
74-83-9	Bromomethane	U	107	ug/kg	16.0	107
75-15-0	Carbon disulfide	U	534	ug/kg	85.5	534
56-23-5	Carbon tetrachloride	U	107	ug/kg	16.0	107
108-90-7	Chlorobenzene	U	107	ug/kg	16.0	107
75-00-3	Chloroethane	U	107	ug/kg	16.0	107
67-66-3	Chloroform	U	107	ug/kg	16.0	107
74-87-3	Chloromethane	U	107	ug/kg	16.0	107
110-82-7	Cyclohexane	U	107	ug/kg	16.0	107
124-48-1	Dibromochloromethane	U	107	ug/kg	16.0	107
75-71-8	Dichlorodifluoromethane	U	107	ug/kg	16.0	107
100-41-4	Ethylbenzene	U	107	ug/kg	16.0	107
98-82-8	Isopropylbenzene	U	107	ug/kg	16.0	107
79-20-9	Methyl acetate	U	267	ug/kg	80.1	267
108-87-2	Methylcyclohexane	U	107	ug/kg	16.0	107
75-09-2	Methylene chloride	U	267	ug/kg	85.5	267

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455239
Lab Sample ID: 455239005

Client ID: SW14
Batch ID: 1785349
Run Date: 07/25/2018 16:55
Prep Date: 07/24/2018 13:27
Data File: 072518V3\3R313.D

Date Collected: 07/20/2018 14:25
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.2
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	107	ug/kg	16.0	107
127-18-4	Tetrachloroethylene	U	107	ug/kg	16.0	107
108-88-3	Toluene	U	107	ug/kg	16.0	107
79-01-6	Trichloroethylene	U	107	ug/kg	16.0	107
75-69-4	Trichlorofluoromethane	U	107	ug/kg	16.0	107
76-13-1	Trichlorotrifluoroethane	U	267	ug/kg	85.5	267
75-01-4	Vinyl chloride	U	107	ug/kg	16.0	107
156-59-2	cis-1,2-Dichloroethylene	U	107	ug/kg	16.0	107
10061-01-5	cis-1,3-Dichloropropylene	U	107	ug/kg	16.0	107
179601-23-1	m,p-Xylenes	U	214	ug/kg	16.0	214
95-47-6	o-Xylene	U	107	ug/kg	16.0	107
1634-04-4	tert-Butyl methyl ether	U	107	ug/kg	16.0	107
156-60-5	trans-1,2-Dichloroethylene	U	107	ug/kg	16.0	107
10061-02-6	trans-1,3-Dichloropropylene	U	107	ug/kg	16.0	107

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455239
Lab Sample ID: 455239005

Client ID: SW14RE
Batch ID: 1785349
Run Date: 07/27/2018 21:35
Prep Date: 07/27/2018 11:15
Data File: 072718V3\3R522.D

Date Collected: 07/20/2018 14:25
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.2
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	2.18	ug/kg	0.327	2.18
79-34-5	1,1,2,2-Tetrachloroethane	U	2.18	ug/kg	0.327	2.18
79-00-5	1,1,2-Trichloroethane	U	2.18	ug/kg	0.327	2.18
75-34-3	1,1-Dichloroethane	U	2.18	ug/kg	0.327	2.18
75-35-4	1,1-Dichloroethylene	U	2.18	ug/kg	0.327	2.18
87-61-6	1,2,3-Trichlorobenzene	U	2.18	ug/kg	0.327	2.18
120-82-1	1,2,4-Trichlorobenzene	U	2.18	ug/kg	0.327	2.18
96-12-8	1,2-Dibromo-3-chloropropane	U	2.18	ug/kg	0.545	2.18
106-93-4	1,2-Dibromoethane	U	2.18	ug/kg	0.327	2.18
95-50-1	1,2-Dichlorobenzene	U	2.18	ug/kg	0.327	2.18
107-06-2	1,2-Dichloroethane	U	2.18	ug/kg	0.327	2.18
78-87-5	1,2-Dichloropropane	U	2.18	ug/kg	0.327	2.18
541-73-1	1,3-Dichlorobenzene	U	2.18	ug/kg	0.327	2.18
106-46-7	1,4-Dichlorobenzene	U	2.18	ug/kg	0.327	2.18
123-91-1	1,4-Dioxane	U	54.5	ug/kg	16.3	54.5
78-93-3	2-Butanone	U	10.9	ug/kg	3.27	10.9
591-78-6	2-Hexanone	U	10.9	ug/kg	3.27	10.9
108-10-1	4-Methyl-2-pentanone	U	10.9	ug/kg	3.27	10.9
67-64-1	Acetone	J	3.62	ug/kg	3.27	10.9
71-43-2	Benzene	U	2.18	ug/kg	0.327	2.18
74-97-5	Bromochloromethane	U	2.18	ug/kg	0.327	2.18
75-27-4	Bromodichloromethane	U	2.18	ug/kg	0.327	2.18
75-25-2	Bromoform	U	2.18	ug/kg	0.327	2.18
74-83-9	Bromomethane	U	2.18	ug/kg	0.327	2.18
75-15-0	Carbon disulfide	J	1.85	ug/kg	1.74	10.9
56-23-5	Carbon tetrachloride	U	2.18	ug/kg	0.327	2.18
108-90-7	Chlorobenzene	U	2.18	ug/kg	0.327	2.18
75-00-3	Chloroethane	U	2.18	ug/kg	0.327	2.18
67-66-3	Chloroform	U	2.18	ug/kg	0.327	2.18
74-87-3	Chloromethane	U	2.18	ug/kg	0.327	2.18
110-82-7	Cyclohexane	U	2.18	ug/kg	0.327	2.18
124-48-1	Dibromochloromethane	U	2.18	ug/kg	0.327	2.18
75-71-8	Dichlorodifluoromethane	U	2.18	ug/kg	0.327	2.18
100-41-4	Ethylbenzene	U	2.18	ug/kg	0.327	2.18
98-82-8	Isopropylbenzene	U	2.18	ug/kg	0.327	2.18
79-20-9	Methyl acetate	U	5.45	ug/kg	1.63	5.45
108-87-2	Methylcyclohexane	U	2.18	ug/kg	0.327	2.18
75-09-2	Methylene chloride	U	5.45	ug/kg	1.74	5.45

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455239
Lab Sample ID: 455239005

Client ID: SW14RE
Batch ID: 1785349
Run Date: 07/27/2018 21:35
Prep Date: 07/27/2018 11:15
Data File: 072718V3\3R522.D

Date Collected: 07/20/2018 14:25
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.2
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	2.18	ug/kg	0.327	2.18
127-18-4	Tetrachloroethylene	U	2.18	ug/kg	0.327	2.18
108-88-3	Toluene	U	2.18	ug/kg	0.327	2.18
79-01-6	Trichloroethylene	U	2.18	ug/kg	0.327	2.18
75-69-4	Trichlorofluoromethane	U	2.18	ug/kg	0.327	2.18
76-13-1	Trichlorotrifluoroethane	U	5.45	ug/kg	1.74	5.45
75-01-4	Vinyl chloride	U	2.18	ug/kg	0.327	2.18
156-59-2	cis-1,2-Dichloroethylene	U	2.18	ug/kg	0.327	2.18
10061-01-5	cis-1,3-Dichloropropylene	U	2.18	ug/kg	0.327	2.18
179601-23-1	m,p-Xylenes	U	4.36	ug/kg	0.327	4.36
95-47-6	o-Xylene	U	2.18	ug/kg	0.327	2.18
1634-04-4	tert-Butyl methyl ether	U	2.18	ug/kg	0.327	2.18
156-60-5	trans-1,2-Dichloroethylene	U	2.18	ug/kg	0.327	2.18
10061-02-6	trans-1,3-Dichloropropylene	U	2.18	ug/kg	0.327	2.18

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067007

Client ID: SW15RE
Batch ID: 1784645
Run Date: 08/01/2018 16:01
Prep Date: 08/01/2018 13:21
Data File: 080118V3\3S312.D

Date Collected: 07/19/2018 09:45
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.5
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	2.14	ug/kg	0.322	2.14
79-34-5	1,1,2,2-Tetrachloroethane	U	2.14	ug/kg	0.322	2.14
79-00-5	1,1,2-Trichloroethane	U	2.14	ug/kg	0.322	2.14
75-34-3	1,1-Dichloroethane	U	2.14	ug/kg	0.322	2.14
75-35-4	1,1-Dichloroethylene	U	2.14	ug/kg	0.322	2.14
87-61-6	1,2,3-Trichlorobenzene	U	2.14	ug/kg	0.322	2.14
120-82-1	1,2,4-Trichlorobenzene	U	2.14	ug/kg	0.322	2.14
96-12-8	1,2-Dibromo-3-chloropropane	U	2.14	ug/kg	0.536	2.14
106-93-4	1,2-Dibromoethane	U	2.14	ug/kg	0.322	2.14
95-50-1	1,2-Dichlorobenzene	U	2.14	ug/kg	0.322	2.14
107-06-2	1,2-Dichloroethane	U	2.14	ug/kg	0.322	2.14
78-87-5	1,2-Dichloropropane	U	2.14	ug/kg	0.322	2.14
541-73-1	1,3-Dichlorobenzene	U	2.14	ug/kg	0.322	2.14
106-46-7	1,4-Dichlorobenzene	U	2.14	ug/kg	0.322	2.14
123-91-1	1,4-Dioxane	U	53.6	ug/kg	16.1	53.6
78-93-3	2-Butanone	U	10.7	ug/kg	3.22	10.7
591-78-6	2-Hexanone	U	10.7	ug/kg	3.22	10.7
108-10-1	4-Methyl-2-pentanone	U	10.7	ug/kg	3.22	10.7
67-64-1	Acetone		11.0	ug/kg	3.22	10.7
71-43-2	Benzene	U	2.14	ug/kg	0.322	2.14
74-97-5	Bromochloromethane	U	2.14	ug/kg	0.322	2.14
75-27-4	Bromodichloromethane	U	2.14	ug/kg	0.322	2.14
75-25-2	Bromoform	U	2.14	ug/kg	0.322	2.14
74-83-9	Bromomethane	U	2.14	ug/kg	0.322	2.14
75-15-0	Carbon disulfide	U	10.7	ug/kg	1.72	10.7
56-23-5	Carbon tetrachloride	U	2.14	ug/kg	0.322	2.14
108-90-7	Chlorobenzene	U	2.14	ug/kg	0.322	2.14
75-00-3	Chloroethane	U	2.14	ug/kg	0.322	2.14
67-66-3	Chloroform	U	2.14	ug/kg	0.322	2.14
74-87-3	Chloromethane	U	2.14	ug/kg	0.322	2.14
110-82-7	Cyclohexane	U	2.14	ug/kg	0.322	2.14
124-48-1	Dibromochloromethane	U	2.14	ug/kg	0.322	2.14
75-71-8	Dichlorodifluoromethane	U	2.14	ug/kg	0.322	2.14
100-41-4	Ethylbenzene	U	2.14	ug/kg	0.322	2.14
98-82-8	Isopropylbenzene	U	2.14	ug/kg	0.322	2.14
79-20-9	Methyl acetate	U	5.36	ug/kg	1.61	5.36
108-87-2	Methylcyclohexane	U	2.14	ug/kg	0.322	2.14
75-09-2	Methylene chloride	J	2.38	ug/kg	1.72	5.36

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067007

Client ID: SW15RE
Batch ID: 1784645
Run Date: 08/01/2018 16:01
Prep Date: 08/01/2018 13:21
Data File: 080118V3\3S312.D

Date Collected: 07/19/2018 09:45
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.5
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	2.14	ug/kg	0.322	2.14
127-18-4	Tetrachloroethylene	U	2.14	ug/kg	0.322	2.14
108-88-3	Toluene	U	2.14	ug/kg	0.322	2.14
79-01-6	Trichloroethylene	U	2.14	ug/kg	0.322	2.14
75-69-4	Trichlorofluoromethane	U	2.14	ug/kg	0.322	2.14
76-13-1	Trichlorotrifluoroethane	U	5.36	ug/kg	1.72	5.36
75-01-4	Vinyl chloride	U	2.14	ug/kg	0.322	2.14
156-59-2	cis-1,2-Dichloroethylene	U	2.14	ug/kg	0.322	2.14
10061-01-5	cis-1,3-Dichloropropylene	U	2.14	ug/kg	0.322	2.14
179601-23-1	m,p-Xylenes	U	4.29	ug/kg	0.322	4.29
95-47-6	o-Xylene	U	2.14	ug/kg	0.322	2.14
1634-04-4	tert-Butyl methyl ether	U	2.14	ug/kg	0.322	2.14
156-60-5	trans-1,2-Dichloroethylene	U	2.14	ug/kg	0.322	2.14
10061-02-6	trans-1,3-Dichloropropylene	U	2.14	ug/kg	0.322	2.14

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067007

Client ID: SW15
Batch ID: 1784645
Run Date: 07/21/2018 17:39
Prep Date: 07/21/2018 12:15
Data File: 072118V3\3Q616.D

Date Collected: 07/19/2018 09:45
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.3 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.5
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	103	ug/kg	15.5	103
79-34-5	1,1,2,2-Tetrachloroethane	U	103	ug/kg	15.5	103
79-00-5	1,1,2-Trichloroethane	U	103	ug/kg	15.5	103
75-34-3	1,1-Dichloroethane	U	103	ug/kg	15.5	103
75-35-4	1,1-Dichloroethylene	U	103	ug/kg	15.5	103
87-61-6	1,2,3-Trichlorobenzene	U	103	ug/kg	15.5	103
120-82-1	1,2,4-Trichlorobenzene	U	103	ug/kg	15.5	103
96-12-8	1,2-Dibromo-3-chloropropane	U	103	ug/kg	25.8	103
106-93-4	1,2-Dibromoethane	U	103	ug/kg	15.5	103
95-50-1	1,2-Dichlorobenzene	U	103	ug/kg	15.5	103
107-06-2	1,2-Dichloroethane	U	103	ug/kg	15.5	103
78-87-5	1,2-Dichloropropane	U	103	ug/kg	15.5	103
541-73-1	1,3-Dichlorobenzene	U	103	ug/kg	15.5	103
106-46-7	1,4-Dichlorobenzene	U	103	ug/kg	15.5	103
123-91-1	1,4-Dioxane	U	2580	ug/kg	774	2580
78-93-3	2-Butanone	U	516	ug/kg	155	516
591-78-6	2-Hexanone	U	516	ug/kg	155	516
108-10-1	4-Methyl-2-pentanone	U	516	ug/kg	155	516
67-64-1	Acetone	U	516	ug/kg	155	516
71-43-2	Benzene	U	103	ug/kg	15.5	103
74-97-5	Bromochloromethane	U	103	ug/kg	15.5	103
75-27-4	Bromodichloromethane	U	103	ug/kg	15.5	103
75-25-2	Bromoform	U	103	ug/kg	15.5	103
74-83-9	Bromomethane	U	103	ug/kg	15.5	103
75-15-0	Carbon disulfide	U	516	ug/kg	82.5	516
56-23-5	Carbon tetrachloride	U	103	ug/kg	15.5	103
108-90-7	Chlorobenzene	U	103	ug/kg	15.5	103
75-00-3	Chloroethane	U	103	ug/kg	15.5	103
67-66-3	Chloroform	U	103	ug/kg	15.5	103
74-87-3	Chloromethane	U	103	ug/kg	15.5	103
110-82-7	Cyclohexane	U	103	ug/kg	15.5	103
124-48-1	Dibromochloromethane	U	103	ug/kg	15.5	103
75-71-8	Dichlorodifluoromethane	U	103	ug/kg	15.5	103
100-41-4	Ethylbenzene	U	103	ug/kg	15.5	103
98-82-8	Isopropylbenzene	U	103	ug/kg	15.5	103
79-20-9	Methyl acetate	U	258	ug/kg	77.4	258
108-87-2	Methylcyclohexane	U	103	ug/kg	15.5	103
75-09-2	Methylene chloride	U	258	ug/kg	82.5	258

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067007

Client ID: SW15
Batch ID: 1784645
Run Date: 07/21/2018 17:39
Prep Date: 07/21/2018 12:15
Data File: 072118V3\3Q616.D

Date Collected: 07/19/2018 09:45
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.3 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.5
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	103	ug/kg	15.5	103
127-18-4	Tetrachloroethylene	U	103	ug/kg	15.5	103
108-88-3	Toluene	U	103	ug/kg	15.5	103
79-01-6	Trichloroethylene	U	103	ug/kg	15.5	103
75-69-4	Trichlorofluoromethane	U	103	ug/kg	15.5	103
76-13-1	Trichlorotrifluoroethane	U	258	ug/kg	82.5	258
75-01-4	Vinyl chloride	U	103	ug/kg	15.5	103
156-59-2	cis-1,2-Dichloroethylene	U	103	ug/kg	15.5	103
10061-01-5	cis-1,3-Dichloropropylene	U	103	ug/kg	15.5	103
179601-23-1	m,p-Xylenes	U	206	ug/kg	15.5	206
95-47-6	o-Xylene	U	103	ug/kg	15.5	103
1634-04-4	tert-Butyl methyl ether	U	103	ug/kg	15.5	103
156-60-5	trans-1,2-Dichloroethylene	U	103	ug/kg	15.5	103
10061-02-6	trans-1,3-Dichloropropylene	U	103	ug/kg	15.5	103

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067005

Client ID: SW16RE
Batch ID: 1784645
Run Date: 08/01/2018 14:59
Prep Date: 08/01/2018 13:19
Data File: 080118V3\3S310.D

Date Collected: 07/19/2018 09:10
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.3 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.1
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	2.05	ug/kg	0.308	2.05
79-34-5	1,1,2,2-Tetrachloroethane	U	2.05	ug/kg	0.308	2.05
79-00-5	1,1,2-Trichloroethane	U	2.05	ug/kg	0.308	2.05
75-34-3	1,1-Dichloroethane	U	2.05	ug/kg	0.308	2.05
75-35-4	1,1-Dichloroethylene	U	2.05	ug/kg	0.308	2.05
87-61-6	1,2,3-Trichlorobenzene	U	2.05	ug/kg	0.308	2.05
120-82-1	1,2,4-Trichlorobenzene	U	2.05	ug/kg	0.308	2.05
96-12-8	1,2-Dibromo-3-chloropropane	U	2.05	ug/kg	0.513	2.05
106-93-4	1,2-Dibromoethane	U	2.05	ug/kg	0.308	2.05
95-50-1	1,2-Dichlorobenzene	U	2.05	ug/kg	0.308	2.05
107-06-2	1,2-Dichloroethane	U	2.05	ug/kg	0.308	2.05
78-87-5	1,2-Dichloropropane	U	2.05	ug/kg	0.308	2.05
541-73-1	1,3-Dichlorobenzene	U	2.05	ug/kg	0.308	2.05
106-46-7	1,4-Dichlorobenzene	U	2.05	ug/kg	0.308	2.05
123-91-1	1,4-Dioxane	U	51.3	ug/kg	15.4	51.3
78-93-3	2-Butanone	U	10.3	ug/kg	3.08	10.3
591-78-6	2-Hexanone	U	10.3	ug/kg	3.08	10.3
108-10-1	4-Methyl-2-pentanone	U	10.3	ug/kg	3.08	10.3
67-64-1	Acetone	J	9.09	ug/kg	3.08	10.3
71-43-2	Benzene	U	2.05	ug/kg	0.308	2.05
74-97-5	Bromochloromethane	U	2.05	ug/kg	0.308	2.05
75-27-4	Bromodichloromethane	U	2.05	ug/kg	0.308	2.05
75-25-2	Bromoform	U	2.05	ug/kg	0.308	2.05
74-83-9	Bromomethane	U	2.05	ug/kg	0.308	2.05
75-15-0	Carbon disulfide	U	10.3	ug/kg	1.64	10.3
56-23-5	Carbon tetrachloride	U	2.05	ug/kg	0.308	2.05
108-90-7	Chlorobenzene	U	2.05	ug/kg	0.308	2.05
75-00-3	Chloroethane	U	2.05	ug/kg	0.308	2.05
67-66-3	Chloroform	U	2.05	ug/kg	0.308	2.05
74-87-3	Chloromethane	U	2.05	ug/kg	0.308	2.05
110-82-7	Cyclohexane	U	2.05	ug/kg	0.308	2.05
124-48-1	Dibromochloromethane	U	2.05	ug/kg	0.308	2.05
75-71-8	Dichlorodifluoromethane	U	2.05	ug/kg	0.308	2.05
100-41-4	Ethylbenzene	U	2.05	ug/kg	0.308	2.05
98-82-8	Isopropylbenzene	U	2.05	ug/kg	0.308	2.05
79-20-9	Methyl acetate	U	5.13	ug/kg	1.54	5.13
108-87-2	Methylcyclohexane	U	2.05	ug/kg	0.308	2.05
75-09-2	Methylene chloride	U	5.13	ug/kg	1.64	5.13

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067005

Client ID: SW16RE
Batch ID: 1784645
Run Date: 08/01/2018 14:59
Prep Date: 08/01/2018 13:19
Data File: 080118V3\3S310.D

Date Collected: 07/19/2018 09:10
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.3 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.1
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	2.05	ug/kg	0.308	2.05
127-18-4	Tetrachloroethylene	U	2.05	ug/kg	0.308	2.05
108-88-3	Toluene	U	2.05	ug/kg	0.308	2.05
79-01-6	Trichloroethylene	U	2.05	ug/kg	0.308	2.05
75-69-4	Trichlorofluoromethane	U	2.05	ug/kg	0.308	2.05
76-13-1	Trichlorotrifluoroethane	U	5.13	ug/kg	1.64	5.13
75-01-4	Vinyl chloride	U	2.05	ug/kg	0.308	2.05
156-59-2	cis-1,2-Dichloroethylene	U	2.05	ug/kg	0.308	2.05
10061-01-5	cis-1,3-Dichloropropylene	U	2.05	ug/kg	0.308	2.05
179601-23-1	m,p-Xylenes	U	4.10	ug/kg	0.308	4.10
95-47-6	o-Xylene	U	2.05	ug/kg	0.308	2.05
1634-04-4	tert-Butyl methyl ether	U	2.05	ug/kg	0.308	2.05
156-60-5	trans-1,2-Dichloroethylene	U	2.05	ug/kg	0.308	2.05
10061-02-6	trans-1,3-Dichloropropylene	U	2.05	ug/kg	0.308	2.05

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067005

Client ID: SW16
Batch ID: 1784645
Run Date: 07/21/2018 16:37
Prep Date: 07/21/2018 12:13
Data File: 072118V3\3Q614.D

Date Collected: 07/19/2018 09:10
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.3 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.1
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	103	ug/kg	15.4	103
79-34-5	1,1,2,2-Tetrachloroethane	U	103	ug/kg	15.4	103
79-00-5	1,1,2-Trichloroethane	U	103	ug/kg	15.4	103
75-34-3	1,1-Dichloroethane	U	103	ug/kg	15.4	103
75-35-4	1,1-Dichloroethylene	U	103	ug/kg	15.4	103
87-61-6	1,2,3-Trichlorobenzene	U	103	ug/kg	15.4	103
120-82-1	1,2,4-Trichlorobenzene	U	103	ug/kg	15.4	103
96-12-8	1,2-Dibromo-3-chloropropane	U	103	ug/kg	25.7	103
106-93-4	1,2-Dibromoethane	U	103	ug/kg	15.4	103
95-50-1	1,2-Dichlorobenzene	U	103	ug/kg	15.4	103
107-06-2	1,2-Dichloroethane	U	103	ug/kg	15.4	103
78-87-5	1,2-Dichloropropane	U	103	ug/kg	15.4	103
541-73-1	1,3-Dichlorobenzene	U	103	ug/kg	15.4	103
106-46-7	1,4-Dichlorobenzene	U	103	ug/kg	15.4	103
123-91-1	1,4-Dioxane	U	2570	ug/kg	770	2570
78-93-3	2-Butanone	U	513	ug/kg	154	513
591-78-6	2-Hexanone	U	513	ug/kg	154	513
108-10-1	4-Methyl-2-pentanone	U	513	ug/kg	154	513
67-64-1	Acetone	U	513	ug/kg	154	513
71-43-2	Benzene	U	103	ug/kg	15.4	103
74-97-5	Bromochloromethane	U	103	ug/kg	15.4	103
75-27-4	Bromodichloromethane	U	103	ug/kg	15.4	103
75-25-2	Bromoform	U	103	ug/kg	15.4	103
74-83-9	Bromomethane	U	103	ug/kg	15.4	103
75-15-0	Carbon disulfide	U	513	ug/kg	82.1	513
56-23-5	Carbon tetrachloride	U	103	ug/kg	15.4	103
108-90-7	Chlorobenzene	U	103	ug/kg	15.4	103
75-00-3	Chloroethane	U	103	ug/kg	15.4	103
67-66-3	Chloroform	U	103	ug/kg	15.4	103
74-87-3	Chloromethane	U	103	ug/kg	15.4	103
110-82-7	Cyclohexane	U	103	ug/kg	15.4	103
124-48-1	Dibromochloromethane	U	103	ug/kg	15.4	103
75-71-8	Dichlorodifluoromethane	U	103	ug/kg	15.4	103
100-41-4	Ethylbenzene	U	103	ug/kg	15.4	103
98-82-8	Isopropylbenzene	U	103	ug/kg	15.4	103
79-20-9	Methyl acetate	U	257	ug/kg	77.0	257
108-87-2	Methylcyclohexane	U	103	ug/kg	15.4	103
75-09-2	Methylene chloride	U	257	ug/kg	82.1	257

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067	Date Collected: 07/19/2018 09:10	Matrix: SOIL
Lab Sample ID: 455067005	Date Received: 07/20/2018 09:15	%Moisture: 8.1
Client ID: SW16	Client: URSC013	Project: URSC00114
Batch ID: 1784645	Method: SW846 5035A/8260C	SOP Ref: GL-OA-E-038
Run Date: 07/21/2018 16:37	Inst: VOA3.I	Dilution: 50
Prep Date: 07/21/2018 12:13	Analyst: JP1	Purge Vol: 5 mL
Data File: 072118V3\3Q614.D	Aliquot: 5.3 g	Final Volume: 5 mL
	Column: DB-624	

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	103	ug/kg	15.4	103
127-18-4	Tetrachloroethylene	U	103	ug/kg	15.4	103
108-88-3	Toluene	U	103	ug/kg	15.4	103
79-01-6	Trichloroethylene	U	103	ug/kg	15.4	103
75-69-4	Trichlorofluoromethane	U	103	ug/kg	15.4	103
76-13-1	Trichlorotrifluoroethane	U	257	ug/kg	82.1	257
75-01-4	Vinyl chloride	U	103	ug/kg	15.4	103
156-59-2	cis-1,2-Dichloroethylene	U	103	ug/kg	15.4	103
10061-01-5	cis-1,3-Dichloropropylene	U	103	ug/kg	15.4	103
179601-23-1	m,p-Xylenes	U	205	ug/kg	15.4	205
95-47-6	o-Xylene	U	103	ug/kg	15.4	103
1634-04-4	tert-Butyl methyl ether	U	103	ug/kg	15.4	103
156-60-5	trans-1,2-Dichloroethylene	U	103	ug/kg	15.4	103
10061-02-6	trans-1,3-Dichloropropylene	U	103	ug/kg	15.4	103

Volatile
Certificate of Analysis
Sample Summary

Page 1 of 2

SDG Number: 454474
Lab Sample ID: 454474003

Client ID: SW17
Batch ID: 1782981
Run Date: 07/18/2018 16:08
Prep Date: 07/18/2018 12:22
Data File: 071818V3\3Q314.D

Date Collected: 07/10/2018 14:50
Date Received: 07/12/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 1.4
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	101	ug/kg	15.2	101
79-34-5	1,1,2,2-Tetrachloroethane	U	101	ug/kg	15.2	101
79-00-5	1,1,2-Trichloroethane	U	101	ug/kg	15.2	101
75-34-3	1,1-Dichloroethane	U	101	ug/kg	15.2	101
75-35-4	1,1-Dichloroethylene	U	101	ug/kg	15.2	101
87-61-6	1,2,3-Trichlorobenzene	U	101	ug/kg	15.2	101
120-82-1	1,2,4-Trichlorobenzene	U	101	ug/kg	15.2	101
96-12-8	1,2-Dibromo-3-chloropropane	U	101	ug/kg	25.4	101
106-93-4	1,2-Dibromoethane	U	101	ug/kg	15.2	101
95-50-1	1,2-Dichlorobenzene	U	101	ug/kg	15.2	101
107-06-2	1,2-Dichloroethane	U	101	ug/kg	15.2	101
78-87-5	1,2-Dichloropropane	U	101	ug/kg	15.2	101
541-73-1	1,3-Dichlorobenzene	U	101	ug/kg	15.2	101
106-46-7	1,4-Dichlorobenzene	U	101	ug/kg	15.2	101
123-91-1	1,4-Dioxane	U	2540	ug/kg	761	2540
78-93-3	2-Butanone	U	507	ug/kg	152	507
591-78-6	2-Hexanone	U	507	ug/kg	152	507
108-10-1	4-Methyl-2-pentanone	U	507	ug/kg	152	507
67-64-1	Acetone	U	507	ug/kg	152	507
71-43-2	Benzene	U	101	ug/kg	15.2	101
74-97-5	Bromochloromethane	U	101	ug/kg	15.2	101
75-27-4	Bromodichloromethane	U	101	ug/kg	15.2	101
75-25-2	Bromoform	U	101	ug/kg	15.2	101
74-83-9	Bromomethane	U	101	ug/kg	15.2	101
75-15-0	Carbon disulfide	U	507	ug/kg	81.1	507
56-23-5	Carbon tetrachloride	U	101	ug/kg	15.2	101
108-90-7	Chlorobenzene	U	101	ug/kg	15.2	101
75-00-3	Chloroethane	U	101	ug/kg	15.2	101
67-66-3	Chloroform	U	101	ug/kg	15.2	101
74-87-3	Chloromethane	U	101	ug/kg	15.2	101
110-82-7	Cyclohexane	U	101	ug/kg	15.2	101
124-48-1	Dibromochloromethane	U	101	ug/kg	15.2	101
75-71-8	Dichlorodifluoromethane	U	101	ug/kg	15.2	101
100-41-4	Ethylbenzene	U	101	ug/kg	15.2	101
98-82-8	Isopropylbenzene	U	101	ug/kg	15.2	101
79-20-9	Methyl acetate	U	254	ug/kg	76.1	254
108-87-2	Methylcyclohexane	U	101	ug/kg	15.2	101
75-09-2	Methylene chloride	U	254	ug/kg	81.1	254

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454474
Lab Sample ID: 454474003

Client ID: SW17
Batch ID: 1782981
Run Date: 07/18/2018 16:08
Prep Date: 07/18/2018 12:22
Data File: 071818V3\3Q314.D

Date Collected: 07/10/2018 14:50
Date Received: 07/12/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 1.4
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	101	ug/kg	15.2	101
127-18-4	Tetrachloroethylene	U	101	ug/kg	15.2	101
108-88-3	Toluene	U	101	ug/kg	15.2	101
79-01-6	Trichloroethylene	U	101	ug/kg	15.2	101
75-69-4	Trichlorofluoromethane	U	101	ug/kg	15.2	101
76-13-1	Trichlorotrifluoroethane	U	254	ug/kg	81.1	254
75-01-4	Vinyl chloride	U	101	ug/kg	15.2	101
156-59-2	cis-1,2-Dichloroethylene	U	101	ug/kg	15.2	101
10061-01-5	cis-1,3-Dichloropropylene	U	101	ug/kg	15.2	101
179601-23-1	m,p-Xylenes	U	203	ug/kg	15.2	203
95-47-6	o-Xylene	U	101	ug/kg	15.2	101
1634-04-4	tert-Butyl methyl ether	U	101	ug/kg	15.2	101
156-60-5	trans-1,2-Dichloroethylene	U	101	ug/kg	15.2	101
10061-02-6	trans-1,3-Dichloropropylene	U	101	ug/kg	15.2	101

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454474
Lab Sample ID: 454474004

Client ID: SW18
Batch ID: 1782981
Run Date: 07/18/2018 16:40
Prep Date: 07/18/2018 12:23
Data File: 071818V3\3Q315.D

Date Collected: 07/10/2018 15:00
Date Received: 07/12/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.8
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	108	ug/kg	16.3	108
79-34-5	1,1,2,2-Tetrachloroethane	U	108	ug/kg	16.3	108
79-00-5	1,1,2-Trichloroethane	U	108	ug/kg	16.3	108
75-34-3	1,1-Dichloroethane	U	108	ug/kg	16.3	108
75-35-4	1,1-Dichloroethylene	U	108	ug/kg	16.3	108
87-61-6	1,2,3-Trichlorobenzene	U	108	ug/kg	16.3	108
120-82-1	1,2,4-Trichlorobenzene	U	108	ug/kg	16.3	108
96-12-8	1,2-Dibromo-3-chloropropane	U	108	ug/kg	27.1	108
106-93-4	1,2-Dibromoethane	U	108	ug/kg	16.3	108
95-50-1	1,2-Dichlorobenzene	U	108	ug/kg	16.3	108
107-06-2	1,2-Dichloroethane	U	108	ug/kg	16.3	108
78-87-5	1,2-Dichloropropane	U	108	ug/kg	16.3	108
541-73-1	1,3-Dichlorobenzene	U	108	ug/kg	16.3	108
106-46-7	1,4-Dichlorobenzene	U	108	ug/kg	16.3	108
123-91-1	1,4-Dioxane	U	2710	ug/kg	813	2710
78-93-3	2-Butanone	U	542	ug/kg	163	542
591-78-6	2-Hexanone	U	542	ug/kg	163	542
108-10-1	4-Methyl-2-pentanone	U	542	ug/kg	163	542
67-64-1	Acetone	U	542	ug/kg	163	542
71-43-2	Benzene	U	108	ug/kg	16.3	108
74-97-5	Bromochloromethane	U	108	ug/kg	16.3	108
75-27-4	Bromodichloromethane	U	108	ug/kg	16.3	108
75-25-2	Bromoform	U	108	ug/kg	16.3	108
74-83-9	Bromomethane	U	108	ug/kg	16.3	108
75-15-0	Carbon disulfide	U	542	ug/kg	86.7	542
56-23-5	Carbon tetrachloride	U	108	ug/kg	16.3	108
108-90-7	Chlorobenzene	U	108	ug/kg	16.3	108
75-00-3	Chloroethane	U	108	ug/kg	16.3	108
67-66-3	Chloroform	U	108	ug/kg	16.3	108
74-87-3	Chloromethane	U	108	ug/kg	16.3	108
110-82-7	Cyclohexane	U	108	ug/kg	16.3	108
124-48-1	Dibromochloromethane	U	108	ug/kg	16.3	108
75-71-8	Dichlorodifluoromethane	U	108	ug/kg	16.3	108
100-41-4	Ethylbenzene	U	108	ug/kg	16.3	108
98-82-8	Isopropylbenzene	U	108	ug/kg	16.3	108
79-20-9	Methyl acetate	U	271	ug/kg	81.3	271
108-87-2	Methylcyclohexane	U	108	ug/kg	16.3	108
75-09-2	Methylene chloride	U	271	ug/kg	86.7	271

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454474
Lab Sample ID: 454474004

Client ID: SW18
Batch ID: 1782981
Run Date: 07/18/2018 16:40
Prep Date: 07/18/2018 12:23
Data File: 071818V3\3Q315.D

Date Collected: 07/10/2018 15:00
Date Received: 07/12/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.8
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	108	ug/kg	16.3	108
127-18-4	Tetrachloroethylene	U	108	ug/kg	16.3	108
108-88-3	Toluene	U	108	ug/kg	16.3	108
79-01-6	Trichloroethylene	U	108	ug/kg	16.3	108
75-69-4	Trichlorofluoromethane	U	108	ug/kg	16.3	108
76-13-1	Trichlorotrifluoroethane	U	271	ug/kg	86.7	271
75-01-4	Vinyl chloride	U	108	ug/kg	16.3	108
156-59-2	cis-1,2-Dichloroethylene	U	108	ug/kg	16.3	108
10061-01-5	cis-1,3-Dichloropropylene	U	108	ug/kg	16.3	108
179601-23-1	m,p-Xylenes	U	217	ug/kg	16.3	217
95-47-6	o-Xylene	U	108	ug/kg	16.3	108
1634-04-4	tert-Butyl methyl ether	U	108	ug/kg	16.3	108
156-60-5	trans-1,2-Dichloroethylene	U	108	ug/kg	16.3	108
10061-02-6	trans-1,3-Dichloropropylene	U	108	ug/kg	16.3	108

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454474
Lab Sample ID: 454474005

Client ID: SW19
Batch ID: 1782981
Run Date: 07/18/2018 17:11
Prep Date: 07/18/2018 12:24
Data File: 071818V3\3Q316.D

Date Collected: 07/10/2018 15:10
Date Received: 07/12/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 2.7
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	103	ug/kg	15.4	103
79-34-5	1,1,2,2-Tetrachloroethane	U	103	ug/kg	15.4	103
79-00-5	1,1,2-Trichloroethane	U	103	ug/kg	15.4	103
75-34-3	1,1-Dichloroethane	U	103	ug/kg	15.4	103
75-35-4	1,1-Dichloroethylene	U	103	ug/kg	15.4	103
87-61-6	1,2,3-Trichlorobenzene	U	103	ug/kg	15.4	103
120-82-1	1,2,4-Trichlorobenzene	U	103	ug/kg	15.4	103
96-12-8	1,2-Dibromo-3-chloropropane	U	103	ug/kg	25.7	103
106-93-4	1,2-Dibromoethane	U	103	ug/kg	15.4	103
95-50-1	1,2-Dichlorobenzene	U	103	ug/kg	15.4	103
107-06-2	1,2-Dichloroethane	U	103	ug/kg	15.4	103
78-87-5	1,2-Dichloropropane	U	103	ug/kg	15.4	103
541-73-1	1,3-Dichlorobenzene	U	103	ug/kg	15.4	103
106-46-7	1,4-Dichlorobenzene	U	103	ug/kg	15.4	103
123-91-1	1,4-Dioxane	U	2570	ug/kg	771	2570
78-93-3	2-Butanone	U	514	ug/kg	154	514
591-78-6	2-Hexanone	U	514	ug/kg	154	514
108-10-1	4-Methyl-2-pentanone	U	514	ug/kg	154	514
67-64-1	Acetone	U	514	ug/kg	154	514
71-43-2	Benzene	U	103	ug/kg	15.4	103
74-97-5	Bromochloromethane	U	103	ug/kg	15.4	103
75-27-4	Bromodichloromethane	U	103	ug/kg	15.4	103
75-25-2	Bromoform	U	103	ug/kg	15.4	103
74-83-9	Bromomethane	U	103	ug/kg	15.4	103
75-15-0	Carbon disulfide	U	514	ug/kg	82.3	514
56-23-5	Carbon tetrachloride	U	103	ug/kg	15.4	103
108-90-7	Chlorobenzene	U	103	ug/kg	15.4	103
75-00-3	Chloroethane	U	103	ug/kg	15.4	103
67-66-3	Chloroform	U	103	ug/kg	15.4	103
74-87-3	Chloromethane	U	103	ug/kg	15.4	103
110-82-7	Cyclohexane	U	103	ug/kg	15.4	103
124-48-1	Dibromochloromethane	U	103	ug/kg	15.4	103
75-71-8	Dichlorodifluoromethane	U	103	ug/kg	15.4	103
100-41-4	Ethylbenzene	U	103	ug/kg	15.4	103
98-82-8	Isopropylbenzene	U	103	ug/kg	15.4	103
79-20-9	Methyl acetate	U	257	ug/kg	77.1	257
108-87-2	Methylcyclohexane	U	103	ug/kg	15.4	103
75-09-2	Methylene chloride	U	257	ug/kg	82.3	257

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454474
Lab Sample ID: 454474005

Client ID: SW19
Batch ID: 1782981
Run Date: 07/18/2018 17:11
Prep Date: 07/18/2018 12:24
Data File: 071818V3\3Q316.D

Date Collected: 07/10/2018 15:10
Date Received: 07/12/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 2.7
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	103	ug/kg	15.4	103
127-18-4	Tetrachloroethylene	U	103	ug/kg	15.4	103
108-88-3	Toluene	U	103	ug/kg	15.4	103
79-01-6	Trichloroethylene	U	103	ug/kg	15.4	103
75-69-4	Trichlorofluoromethane	U	103	ug/kg	15.4	103
76-13-1	Trichlorotrifluoroethane	U	257	ug/kg	82.3	257
75-01-4	Vinyl chloride	U	103	ug/kg	15.4	103
156-59-2	cis-1,2-Dichloroethylene	U	103	ug/kg	15.4	103
10061-01-5	cis-1,3-Dichloropropylene	U	103	ug/kg	15.4	103
179601-23-1	m,p-Xylenes	U	206	ug/kg	15.4	206
95-47-6	o-Xylene	U	103	ug/kg	15.4	103
1634-04-4	tert-Butyl methyl ether	U	103	ug/kg	15.4	103
156-60-5	trans-1,2-Dichloroethylene	U	103	ug/kg	15.4	103
10061-02-6	trans-1,3-Dichloropropylene	U	103	ug/kg	15.4	103

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454474
Lab Sample ID: 454474006

Client ID: SW20
Batch ID: 1782981
Run Date: 07/18/2018 17:42
Prep Date: 07/18/2018 12:25
Data File: 071818V3\3Q317.D

Date Collected: 07/10/2018 15:20
Date Received: 07/12/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.9
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	109	ug/kg	16.3	109
79-34-5	1,1,2,2-Tetrachloroethane	U	109	ug/kg	16.3	109
79-00-5	1,1,2-Trichloroethane	U	109	ug/kg	16.3	109
75-34-3	1,1-Dichloroethane	U	109	ug/kg	16.3	109
75-35-4	1,1-Dichloroethylene	U	109	ug/kg	16.3	109
87-61-6	1,2,3-Trichlorobenzene	U	109	ug/kg	16.3	109
120-82-1	1,2,4-Trichlorobenzene	U	109	ug/kg	16.3	109
96-12-8	1,2-Dibromo-3-chloropropane	U	109	ug/kg	27.1	109
106-93-4	1,2-Dibromoethane	U	109	ug/kg	16.3	109
95-50-1	1,2-Dichlorobenzene	U	109	ug/kg	16.3	109
107-06-2	1,2-Dichloroethane	U	109	ug/kg	16.3	109
78-87-5	1,2-Dichloropropane	U	109	ug/kg	16.3	109
541-73-1	1,3-Dichlorobenzene	U	109	ug/kg	16.3	109
106-46-7	1,4-Dichlorobenzene	U	109	ug/kg	16.3	109
123-91-1	1,4-Dioxane	U	2710	ug/kg	814	2710
78-93-3	2-Butanone	U	543	ug/kg	163	543
591-78-6	2-Hexanone	U	543	ug/kg	163	543
108-10-1	4-Methyl-2-pentanone	U	543	ug/kg	163	543
67-64-1	Acetone	U	543	ug/kg	163	543
71-43-2	Benzene	U	109	ug/kg	16.3	109
74-97-5	Bromochloromethane	U	109	ug/kg	16.3	109
75-27-4	Bromodichloromethane	U	109	ug/kg	16.3	109
75-25-2	Bromoform	U	109	ug/kg	16.3	109
74-83-9	Bromomethane	U	109	ug/kg	16.3	109
75-15-0	Carbon disulfide	U	543	ug/kg	86.8	543
56-23-5	Carbon tetrachloride	U	109	ug/kg	16.3	109
108-90-7	Chlorobenzene	U	109	ug/kg	16.3	109
75-00-3	Chloroethane	U	109	ug/kg	16.3	109
67-66-3	Chloroform	U	109	ug/kg	16.3	109
74-87-3	Chloromethane	U	109	ug/kg	16.3	109
110-82-7	Cyclohexane	U	109	ug/kg	16.3	109
124-48-1	Dibromochloromethane	U	109	ug/kg	16.3	109
75-71-8	Dichlorodifluoromethane	U	109	ug/kg	16.3	109
100-41-4	Ethylbenzene	U	109	ug/kg	16.3	109
98-82-8	Isopropylbenzene	U	109	ug/kg	16.3	109
79-20-9	Methyl acetate	U	271	ug/kg	81.4	271
108-87-2	Methylcyclohexane	U	109	ug/kg	16.3	109
75-09-2	Methylene chloride	U	271	ug/kg	86.8	271

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454474
Lab Sample ID: 454474006

Client ID: SW20
Batch ID: 1782981
Run Date: 07/18/2018 17:42
Prep Date: 07/18/2018 12:25
Data File: 071818V3\3Q317.D

Date Collected: 07/10/2018 15:20
Date Received: 07/12/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 7.9
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	109	ug/kg	16.3	109
127-18-4	Tetrachloroethylene	U	109	ug/kg	16.3	109
108-88-3	Toluene	U	109	ug/kg	16.3	109
79-01-6	Trichloroethylene	U	109	ug/kg	16.3	109
75-69-4	Trichlorofluoromethane	U	109	ug/kg	16.3	109
76-13-1	Trichlorotrifluoroethane	U	271	ug/kg	86.8	271
75-01-4	Vinyl chloride	U	109	ug/kg	16.3	109
156-59-2	cis-1,2-Dichloroethylene	U	109	ug/kg	16.3	109
10061-01-5	cis-1,3-Dichloropropylene	U	109	ug/kg	16.3	109
179601-23-1	m,p-Xylenes	U	217	ug/kg	16.3	217
95-47-6	o-Xylene	U	109	ug/kg	16.3	109
1634-04-4	tert-Butyl methyl ether	U	109	ug/kg	16.3	109
156-60-5	trans-1,2-Dichloroethylene	U	109	ug/kg	16.3	109
10061-02-6	trans-1,3-Dichloropropylene	U	109	ug/kg	16.3	109

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067003

Client ID: SW21RE
Batch ID: 1784645
Run Date: 08/01/2018 13:57
Prep Date: 08/01/2018 13:17
Data File: 080118V3\3S308.D

Date Collected: 07/19/2018 08:20
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.3 g
Column: DB-624

Matrix: SOIL
%Moisture: 6.9
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	2.03	ug/kg	0.304	2.03
79-34-5	1,1,2,2-Tetrachloroethane	U	2.03	ug/kg	0.304	2.03
79-00-5	1,1,2-Trichloroethane	U	2.03	ug/kg	0.304	2.03
75-34-3	1,1-Dichloroethane	U	2.03	ug/kg	0.304	2.03
75-35-4	1,1-Dichloroethylene	U	2.03	ug/kg	0.304	2.03
87-61-6	1,2,3-Trichlorobenzene	J	1.95	ug/kg	0.304	2.03
120-82-1	1,2,4-Trichlorobenzene	B	2.10	ug/kg	0.304	2.03
96-12-8	1,2-Dibromo-3-chloropropane	U	2.03	ug/kg	0.507	2.03
106-93-4	1,2-Dibromoethane	U	2.03	ug/kg	0.304	2.03
95-50-1	1,2-Dichlorobenzene	J	0.740	ug/kg	0.304	2.03
107-06-2	1,2-Dichloroethane	U	2.03	ug/kg	0.304	2.03
78-87-5	1,2-Dichloropropane	U	2.03	ug/kg	0.304	2.03
541-73-1	1,3-Dichlorobenzene	J	0.710	ug/kg	0.304	2.03
106-46-7	1,4-Dichlorobenzene	J	0.953	ug/kg	0.304	2.03
123-91-1	1,4-Dioxane	U	50.7	ug/kg	15.2	50.7
78-93-3	2-Butanone	U	10.1	ug/kg	3.04	10.1
591-78-6	2-Hexanone	U	10.1	ug/kg	3.04	10.1
108-10-1	4-Methyl-2-pentanone	U	10.1	ug/kg	3.04	10.1
67-64-1	Acetone	U	10.1	ug/kg	3.04	10.1
71-43-2	Benzene	U	2.03	ug/kg	0.304	2.03
74-97-5	Bromochloromethane	U	2.03	ug/kg	0.304	2.03
75-27-4	Bromodichloromethane	U	2.03	ug/kg	0.304	2.03
75-25-2	Bromoform	U	2.03	ug/kg	0.304	2.03
74-83-9	Bromomethane	U	2.03	ug/kg	0.304	2.03
75-15-0	Carbon disulfide	U	10.1	ug/kg	1.62	10.1
56-23-5	Carbon tetrachloride	U	2.03	ug/kg	0.304	2.03
108-90-7	Chlorobenzene	U	2.03	ug/kg	0.304	2.03
75-00-3	Chloroethane	U	2.03	ug/kg	0.304	2.03
67-66-3	Chloroform	U	2.03	ug/kg	0.304	2.03
74-87-3	Chloromethane	U	2.03	ug/kg	0.304	2.03
110-82-7	Cyclohexane	U	2.03	ug/kg	0.304	2.03
124-48-1	Dibromochloromethane	U	2.03	ug/kg	0.304	2.03
75-71-8	Dichlorodifluoromethane	U	2.03	ug/kg	0.304	2.03
100-41-4	Ethylbenzene	U	2.03	ug/kg	0.304	2.03
98-82-8	Isopropylbenzene	U	2.03	ug/kg	0.304	2.03
79-20-9	Methyl acetate	U	5.07	ug/kg	1.52	5.07
108-87-2	Methylcyclohexane	U	2.03	ug/kg	0.304	2.03
75-09-2	Methylene chloride	U	5.07	ug/kg	1.62	5.07

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067003

Client ID: SW21RE
Batch ID: 1784645
Run Date: 08/01/2018 13:57
Prep Date: 08/01/2018 13:17
Data File: 080118V3\3S308.D

Date Collected: 07/19/2018 08:20
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.3 g
Column: DB-624

Matrix: SOIL
%Moisture: 6.9
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	2.03	ug/kg	0.304	2.03
127-18-4	Tetrachloroethylene	U	2.03	ug/kg	0.304	2.03
108-88-3	Toluene	U	2.03	ug/kg	0.304	2.03
79-01-6	Trichloroethylene	U	2.03	ug/kg	0.304	2.03
75-69-4	Trichlorofluoromethane	U	2.03	ug/kg	0.304	2.03
76-13-1	Trichlorotrifluoroethane	U	5.07	ug/kg	1.62	5.07
75-01-4	Vinyl chloride		2.74	ug/kg	0.304	2.03
156-59-2	cis-1,2-Dichloroethylene	U	2.03	ug/kg	0.304	2.03
10061-01-5	cis-1,3-Dichloropropylene	U	2.03	ug/kg	0.304	2.03
179601-23-1	m,p-Xylenes	U	4.05	ug/kg	0.304	4.05
95-47-6	o-Xylene	U	2.03	ug/kg	0.304	2.03
1634-04-4	tert-Butyl methyl ether	U	2.03	ug/kg	0.304	2.03
156-60-5	trans-1,2-Dichloroethylene	U	2.03	ug/kg	0.304	2.03
10061-02-6	trans-1,3-Dichloropropylene	U	2.03	ug/kg	0.304	2.03

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067003

Client ID: SW21
Batch ID: 1784645
Run Date: 07/21/2018 15:35
Prep Date: 07/21/2018 12:10
Data File: 072118V3\3Q612.D

Date Collected: 07/19/2018 08:20
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 6.9
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	105	ug/kg	15.8	105
79-34-5	1,1,2,2-Tetrachloroethane	U	105	ug/kg	15.8	105
79-00-5	1,1,2-Trichloroethane	U	105	ug/kg	15.8	105
75-34-3	1,1-Dichloroethane	U	105	ug/kg	15.8	105
75-35-4	1,1-Dichloroethylene	U	105	ug/kg	15.8	105
87-61-6	1,2,3-Trichlorobenzene	U	105	ug/kg	15.8	105
120-82-1	1,2,4-Trichlorobenzene	U	105	ug/kg	15.8	105
96-12-8	1,2-Dibromo-3-chloropropane	U	105	ug/kg	26.3	105
106-93-4	1,2-Dibromoethane	U	105	ug/kg	15.8	105
95-50-1	1,2-Dichlorobenzene	U	105	ug/kg	15.8	105
107-06-2	1,2-Dichloroethane	U	105	ug/kg	15.8	105
78-87-5	1,2-Dichloropropane	U	105	ug/kg	15.8	105
541-73-1	1,3-Dichlorobenzene	U	105	ug/kg	15.8	105
106-46-7	1,4-Dichlorobenzene	U	105	ug/kg	15.8	105
123-91-1	1,4-Dioxane	U	2630	ug/kg	790	2630
78-93-3	2-Butanone	U	527	ug/kg	158	527
591-78-6	2-Hexanone	U	527	ug/kg	158	527
108-10-1	4-Methyl-2-pentanone	U	527	ug/kg	158	527
67-64-1	Acetone	U	527	ug/kg	158	527
71-43-2	Benzene	U	105	ug/kg	15.8	105
74-97-5	Bromochloromethane	U	105	ug/kg	15.8	105
75-27-4	Bromodichloromethane	U	105	ug/kg	15.8	105
75-25-2	Bromoform	U	105	ug/kg	15.8	105
74-83-9	Bromomethane	U	105	ug/kg	15.8	105
75-15-0	Carbon disulfide	U	527	ug/kg	84.3	527
56-23-5	Carbon tetrachloride	U	105	ug/kg	15.8	105
108-90-7	Chlorobenzene	U	105	ug/kg	15.8	105
75-00-3	Chloroethane	U	105	ug/kg	15.8	105
67-66-3	Chloroform	U	105	ug/kg	15.8	105
74-87-3	Chloromethane	U	105	ug/kg	15.8	105
110-82-7	Cyclohexane	U	105	ug/kg	15.8	105
124-48-1	Dibromochloromethane	U	105	ug/kg	15.8	105
75-71-8	Dichlorodifluoromethane	U	105	ug/kg	15.8	105
100-41-4	Ethylbenzene	U	105	ug/kg	15.8	105
98-82-8	Isopropylbenzene	U	105	ug/kg	15.8	105
79-20-9	Methyl acetate	U	263	ug/kg	79.0	263
108-87-2	Methylcyclohexane	U	105	ug/kg	15.8	105
75-09-2	Methylene chloride	U	263	ug/kg	84.3	263

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067003

Client ID: SW21
Batch ID: 1784645
Run Date: 07/21/2018 15:35
Prep Date: 07/21/2018 12:10
Data File: 072118V3\3Q612.D

Date Collected: 07/19/2018 08:20
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 6.9
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	105	ug/kg	15.8	105
127-18-4	Tetrachloroethylene	U	105	ug/kg	15.8	105
108-88-3	Toluene	U	105	ug/kg	15.8	105
79-01-6	Trichloroethylene	U	105	ug/kg	15.8	105
75-69-4	Trichlorofluoromethane	U	105	ug/kg	15.8	105
76-13-1	Trichlorotrifluoroethane	U	263	ug/kg	84.3	263
75-01-4	Vinyl chloride	U	105	ug/kg	15.8	105
156-59-2	cis-1,2-Dichloroethylene	U	105	ug/kg	15.8	105
10061-01-5	cis-1,3-Dichloropropylene	U	105	ug/kg	15.8	105
179601-23-1	m,p-Xylenes	U	211	ug/kg	15.8	211
95-47-6	o-Xylene	U	105	ug/kg	15.8	105
1634-04-4	tert-Butyl methyl ether	U	105	ug/kg	15.8	105
156-60-5	trans-1,2-Dichloroethylene	U	105	ug/kg	15.8	105
10061-02-6	trans-1,3-Dichloropropylene	U	105	ug/kg	15.8	105

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067016

Client ID: SW21D
Batch ID: 1785349
Run Date: 07/25/2018 15:53
Prep Date: 07/24/2018 13:23
Data File: 072518V3\3R311.D

Date Collected: 07/19/2018 08:25
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 9.1
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	110	ug/kg	16.5	110
79-34-5	1,1,2,2-Tetrachloroethane	U	110	ug/kg	16.5	110
79-00-5	1,1,2-Trichloroethane	U	110	ug/kg	16.5	110
75-34-3	1,1-Dichloroethane	U	110	ug/kg	16.5	110
75-35-4	1,1-Dichloroethylene	U	110	ug/kg	16.5	110
87-61-6	1,2,3-Trichlorobenzene	U	110	ug/kg	16.5	110
120-82-1	1,2,4-Trichlorobenzene	U	110	ug/kg	16.5	110
96-12-8	1,2-Dibromo-3-chloropropane	U	110	ug/kg	27.5	110
106-93-4	1,2-Dibromoethane	U	110	ug/kg	16.5	110
95-50-1	1,2-Dichlorobenzene	U	110	ug/kg	16.5	110
107-06-2	1,2-Dichloroethane	U	110	ug/kg	16.5	110
78-87-5	1,2-Dichloropropane	U	110	ug/kg	16.5	110
541-73-1	1,3-Dichlorobenzene	U	110	ug/kg	16.5	110
106-46-7	1,4-Dichlorobenzene	U	110	ug/kg	16.5	110
123-91-1	1,4-Dioxane	U	2750	ug/kg	825	2750
78-93-3	2-Butanone	U	550	ug/kg	165	550
591-78-6	2-Hexanone	U	550	ug/kg	165	550
108-10-1	4-Methyl-2-pentanone	U	550	ug/kg	165	550
67-64-1	Acetone	U	550	ug/kg	165	550
71-43-2	Benzene	U	110	ug/kg	16.5	110
74-97-5	Bromochloromethane	U	110	ug/kg	16.5	110
75-27-4	Bromodichloromethane	U	110	ug/kg	16.5	110
75-25-2	Bromoform	U	110	ug/kg	16.5	110
74-83-9	Bromomethane	U	110	ug/kg	16.5	110
75-15-0	Carbon disulfide	U	550	ug/kg	88.0	550
56-23-5	Carbon tetrachloride	U	110	ug/kg	16.5	110
108-90-7	Chlorobenzene	U	110	ug/kg	16.5	110
75-00-3	Chloroethane	U	110	ug/kg	16.5	110
67-66-3	Chloroform	U	110	ug/kg	16.5	110
74-87-3	Chloromethane	U	110	ug/kg	16.5	110
110-82-7	Cyclohexane	U	110	ug/kg	16.5	110
124-48-1	Dibromochloromethane	U	110	ug/kg	16.5	110
75-71-8	Dichlorodifluoromethane	U	110	ug/kg	16.5	110
100-41-4	Ethylbenzene	U	110	ug/kg	16.5	110
98-82-8	Isopropylbenzene	U	110	ug/kg	16.5	110
79-20-9	Methyl acetate	U	275	ug/kg	82.5	275
108-87-2	Methylcyclohexane	U	110	ug/kg	16.5	110
75-09-2	Methylene chloride	U	275	ug/kg	88.0	275

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067016

Client ID: SW21D
Batch ID: 1785349
Run Date: 07/25/2018 15:53
Prep Date: 07/24/2018 13:23
Data File: 072518V3\3R311.D

Date Collected: 07/19/2018 08:25
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 9.1
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	110	ug/kg	16.5	110
127-18-4	Tetrachloroethylene	U	110	ug/kg	16.5	110
108-88-3	Toluene	U	110	ug/kg	16.5	110
79-01-6	Trichloroethylene	U	110	ug/kg	16.5	110
75-69-4	Trichlorofluoromethane	U	110	ug/kg	16.5	110
76-13-1	Trichlorotrifluoroethane	U	275	ug/kg	88.0	275
75-01-4	Vinyl chloride	U	110	ug/kg	16.5	110
156-59-2	cis-1,2-Dichloroethylene	U	110	ug/kg	16.5	110
10061-01-5	cis-1,3-Dichloropropylene	U	110	ug/kg	16.5	110
179601-23-1	m,p-Xylenes	U	220	ug/kg	16.5	220
95-47-6	o-Xylene	U	110	ug/kg	16.5	110
1634-04-4	tert-Butyl methyl ether	U	110	ug/kg	16.5	110
156-60-5	trans-1,2-Dichloroethylene	U	110	ug/kg	16.5	110
10061-02-6	trans-1,3-Dichloropropylene	U	110	ug/kg	16.5	110

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067016

Client ID: SW21DRE
Batch ID: 1785349
Run Date: 07/27/2018 20:01
Prep Date: 07/27/2018 11:12
Data File: 072718V3\3R519.D

Date Collected: 07/19/2018 08:25
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.3 g
Column: DB-624

Matrix: SOIL
%Moisture: 9.1
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	2.08	ug/kg	0.311	2.08
79-34-5	1,1,2,2-Tetrachloroethane	U	2.08	ug/kg	0.311	2.08
79-00-5	1,1,2-Trichloroethane	U	2.08	ug/kg	0.311	2.08
75-34-3	1,1-Dichloroethane	U	2.08	ug/kg	0.311	2.08
75-35-4	1,1-Dichloroethylene	U	2.08	ug/kg	0.311	2.08
87-61-6	1,2,3-Trichlorobenzene	U	2.08	ug/kg	0.311	2.08
120-82-1	1,2,4-Trichlorobenzene	U	2.08	ug/kg	0.311	2.08
96-12-8	1,2-Dibromo-3-chloropropane	U	2.08	ug/kg	0.519	2.08
106-93-4	1,2-Dibromoethane	U	2.08	ug/kg	0.311	2.08
95-50-1	1,2-Dichlorobenzene	U	2.08	ug/kg	0.311	2.08
107-06-2	1,2-Dichloroethane	U	2.08	ug/kg	0.311	2.08
78-87-5	1,2-Dichloropropane	U	2.08	ug/kg	0.311	2.08
541-73-1	1,3-Dichlorobenzene	U	2.08	ug/kg	0.311	2.08
106-46-7	1,4-Dichlorobenzene	U	2.08	ug/kg	0.311	2.08
123-91-1	1,4-Dioxane	U	51.9	ug/kg	15.6	51.9
78-93-3	2-Butanone	U	10.4	ug/kg	3.11	10.4
591-78-6	2-Hexanone	U	10.4	ug/kg	3.11	10.4
108-10-1	4-Methyl-2-pentanone	U	10.4	ug/kg	3.11	10.4
67-64-1	Acetone	U	10.4	ug/kg	3.11	10.4
71-43-2	Benzene	U	2.08	ug/kg	0.311	2.08
74-97-5	Bromochloromethane	U	2.08	ug/kg	0.311	2.08
75-27-4	Bromodichloromethane	U	2.08	ug/kg	0.311	2.08
75-25-2	Bromoform	U	2.08	ug/kg	0.311	2.08
74-83-9	Bromomethane	U	2.08	ug/kg	0.311	2.08
75-15-0	Carbon disulfide	U	10.4	ug/kg	1.66	10.4
56-23-5	Carbon tetrachloride	U	2.08	ug/kg	0.311	2.08
108-90-7	Chlorobenzene	U	2.08	ug/kg	0.311	2.08
75-00-3	Chloroethane	U	2.08	ug/kg	0.311	2.08
67-66-3	Chloroform	U	2.08	ug/kg	0.311	2.08
74-87-3	Chloromethane	U	2.08	ug/kg	0.311	2.08
110-82-7	Cyclohexane	U	2.08	ug/kg	0.311	2.08
124-48-1	Dibromochloromethane	U	2.08	ug/kg	0.311	2.08
75-71-8	Dichlorodifluoromethane	U	2.08	ug/kg	0.311	2.08
100-41-4	Ethylbenzene	U	2.08	ug/kg	0.311	2.08
98-82-8	Isopropylbenzene	U	2.08	ug/kg	0.311	2.08
79-20-9	Methyl acetate	U	5.19	ug/kg	1.56	5.19
108-87-2	Methylcyclohexane	U	2.08	ug/kg	0.311	2.08
75-09-2	Methylene chloride	U	5.19	ug/kg	1.66	5.19

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067	Date Collected: 07/19/2018 08:25	Matrix: SOIL
Lab Sample ID: 455067016	Date Received: 07/20/2018 09:15	%Moisture: 9.1
Client ID: SW21DRE	Client: URSC013	Project: URSC00114
Batch ID: 1785349	Method: SW846 5035A/8260C	SOP Ref: GL-OA-E-038
Run Date: 07/27/2018 20:01	Inst: VOA3.I	Dilution: 1
Prep Date: 07/27/2018 11:12	Analyst: JP1	Purge Vol: 5 mL
Data File: 072718V3\3R519.D	Aliquot: 5.3 g	Final Volume: 5 mL
	Column: DB-624	

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	2.08	ug/kg	0.311	2.08
127-18-4	Tetrachloroethylene	U	2.08	ug/kg	0.311	2.08
108-88-3	Toluene	U	2.08	ug/kg	0.311	2.08
79-01-6	Trichloroethylene	U	2.08	ug/kg	0.311	2.08
75-69-4	Trichlorofluoromethane	U	2.08	ug/kg	0.311	2.08
76-13-1	Trichlorotrifluoroethane	U	5.19	ug/kg	1.66	5.19
75-01-4	Vinyl chloride	J	1.75	ug/kg	0.311	2.08
156-59-2	cis-1,2-Dichloroethylene	U	2.08	ug/kg	0.311	2.08
10061-01-5	cis-1,3-Dichloropropylene	U	2.08	ug/kg	0.311	2.08
179601-23-1	m,p-Xylenes	U	4.15	ug/kg	0.311	4.15
95-47-6	o-Xylene	U	2.08	ug/kg	0.311	2.08
1634-04-4	tert-Butyl methyl ether	U	2.08	ug/kg	0.311	2.08
156-60-5	trans-1,2-Dichloroethylene	U	2.08	ug/kg	0.311	2.08
10061-02-6	trans-1,3-Dichloropropylene	U	2.08	ug/kg	0.311	2.08

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454944
Lab Sample ID: 454944009

Client ID: SW22
Batch ID: 1785349
Run Date: 07/24/2018 19:01
Prep Date: 07/24/2018 13:21
Data File: 072418V3\3R219.D

Date Collected: 07/18/2018 14:00
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.3 g
Column: DB-624

Matrix: SOIL
%Moisture: 7
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	101	ug/kg	15.2	101
79-34-5	1,1,2,2-Tetrachloroethane	U	101	ug/kg	15.2	101
79-00-5	1,1,2-Trichloroethane	U	101	ug/kg	15.2	101
75-34-3	1,1-Dichloroethane	U	101	ug/kg	15.2	101
75-35-4	1,1-Dichloroethylene	U	101	ug/kg	15.2	101
87-61-6	1,2,3-Trichlorobenzene	U	101	ug/kg	15.2	101
120-82-1	1,2,4-Trichlorobenzene	U	101	ug/kg	15.2	101
96-12-8	1,2-Dibromo-3-chloropropane	U	101	ug/kg	25.4	101
106-93-4	1,2-Dibromoethane	U	101	ug/kg	15.2	101
95-50-1	1,2-Dichlorobenzene	U	101	ug/kg	15.2	101
107-06-2	1,2-Dichloroethane	U	101	ug/kg	15.2	101
78-87-5	1,2-Dichloropropane	U	101	ug/kg	15.2	101
541-73-1	1,3-Dichlorobenzene	U	101	ug/kg	15.2	101
106-46-7	1,4-Dichlorobenzene	U	101	ug/kg	15.2	101
123-91-1	1,4-Dioxane	U	2540	ug/kg	761	2540
78-93-3	2-Butanone	U	507	ug/kg	152	507
591-78-6	2-Hexanone	U	507	ug/kg	152	507
108-10-1	4-Methyl-2-pentanone	U	507	ug/kg	152	507
67-64-1	Acetone	U	507	ug/kg	152	507
71-43-2	Benzene	U	101	ug/kg	15.2	101
74-97-5	Bromochloromethane	U	101	ug/kg	15.2	101
75-27-4	Bromodichloromethane	U	101	ug/kg	15.2	101
75-25-2	Bromoform	U	101	ug/kg	15.2	101
74-83-9	Bromomethane	U	101	ug/kg	15.2	101
75-15-0	Carbon disulfide	U	507	ug/kg	81.2	507
56-23-5	Carbon tetrachloride	U	101	ug/kg	15.2	101
108-90-7	Chlorobenzene	U	101	ug/kg	15.2	101
75-00-3	Chloroethane	U	101	ug/kg	15.2	101
67-66-3	Chloroform	U	101	ug/kg	15.2	101
74-87-3	Chloromethane	U	101	ug/kg	15.2	101
110-82-7	Cyclohexane	U	101	ug/kg	15.2	101
124-48-1	Dibromochloromethane	U	101	ug/kg	15.2	101
75-71-8	Dichlorodifluoromethane	U	101	ug/kg	15.2	101
100-41-4	Ethylbenzene	U	101	ug/kg	15.2	101
98-82-8	Isopropylbenzene	U	101	ug/kg	15.2	101
79-20-9	Methyl acetate	U	254	ug/kg	76.1	254
108-87-2	Methylcyclohexane	U	101	ug/kg	15.2	101
75-09-2	Methylene chloride	U	254	ug/kg	81.2	254

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454944
Lab Sample ID: 454944009

Client ID: SW22
Batch ID: 1785349
Run Date: 07/24/2018 19:01
Prep Date: 07/24/2018 13:21
Data File: 072418V3\3R219.D

Date Collected: 07/18/2018 14:00
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.3 g
Column: DB-624

Matrix: SOIL
%Moisture: 7
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	101	ug/kg	15.2	101
127-18-4	Tetrachloroethylene	U	101	ug/kg	15.2	101
108-88-3	Toluene	U	101	ug/kg	15.2	101
79-01-6	Trichloroethylene	U	101	ug/kg	15.2	101
75-69-4	Trichlorofluoromethane	U	101	ug/kg	15.2	101
76-13-1	Trichlorotrifluoroethane	U	254	ug/kg	81.2	254
75-01-4	Vinyl chloride	U	101	ug/kg	15.2	101
156-59-2	cis-1,2-Dichloroethylene	U	101	ug/kg	15.2	101
10061-01-5	cis-1,3-Dichloropropylene	U	101	ug/kg	15.2	101
179601-23-1	m,p-Xylenes	U	203	ug/kg	15.2	203
95-47-6	o-Xylene	U	101	ug/kg	15.2	101
1634-04-4	tert-Butyl methyl ether	U	101	ug/kg	15.2	101
156-60-5	trans-1,2-Dichloroethylene	U	101	ug/kg	15.2	101
10061-02-6	trans-1,3-Dichloropropylene	U	101	ug/kg	15.2	101

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454944
Lab Sample ID: 454944009

Client ID: SW22RE
Batch ID: 1785349
Run Date: 07/27/2018 18:59
Prep Date: 07/27/2018 11:09
Data File: 072718V3\3R517.D

Date Collected: 07/18/2018 14:00
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 7
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	2.11	ug/kg	0.316	2.11
79-34-5	1,1,2,2-Tetrachloroethane	U	2.11	ug/kg	0.316	2.11
79-00-5	1,1,2-Trichloroethane	U	2.11	ug/kg	0.316	2.11
75-34-3	1,1-Dichloroethane	U	2.11	ug/kg	0.316	2.11
75-35-4	1,1-Dichloroethylene	U	2.11	ug/kg	0.316	2.11
87-61-6	1,2,3-Trichlorobenzene	U	2.11	ug/kg	0.316	2.11
120-82-1	1,2,4-Trichlorobenzene	U	2.11	ug/kg	0.316	2.11
96-12-8	1,2-Dibromo-3-chloropropane	U	2.11	ug/kg	0.527	2.11
106-93-4	1,2-Dibromoethane	U	2.11	ug/kg	0.316	2.11
95-50-1	1,2-Dichlorobenzene	U	2.11	ug/kg	0.316	2.11
107-06-2	1,2-Dichloroethane	U	2.11	ug/kg	0.316	2.11
78-87-5	1,2-Dichloropropane	U	2.11	ug/kg	0.316	2.11
541-73-1	1,3-Dichlorobenzene	U	2.11	ug/kg	0.316	2.11
106-46-7	1,4-Dichlorobenzene	U	2.11	ug/kg	0.316	2.11
123-91-1	1,4-Dioxane	U	52.7	ug/kg	15.8	52.7
78-93-3	2-Butanone	U	10.5	ug/kg	3.16	10.5
591-78-6	2-Hexanone	U	10.5	ug/kg	3.16	10.5
108-10-1	4-Methyl-2-pentanone	U	10.5	ug/kg	3.16	10.5
67-64-1	Acetone	J	6.27	ug/kg	3.16	10.5
71-43-2	Benzene	U	2.11	ug/kg	0.316	2.11
74-97-5	Bromochloromethane	U	2.11	ug/kg	0.316	2.11
75-27-4	Bromodichloromethane	U	2.11	ug/kg	0.316	2.11
75-25-2	Bromoform	U	2.11	ug/kg	0.316	2.11
74-83-9	Bromomethane	U	2.11	ug/kg	0.316	2.11
75-15-0	Carbon disulfide	J	2.45	ug/kg	1.69	10.5
56-23-5	Carbon tetrachloride	U	2.11	ug/kg	0.316	2.11
108-90-7	Chlorobenzene	U	2.11	ug/kg	0.316	2.11
75-00-3	Chloroethane	U	2.11	ug/kg	0.316	2.11
67-66-3	Chloroform	U	2.11	ug/kg	0.316	2.11
74-87-3	Chloromethane	U	2.11	ug/kg	0.316	2.11
110-82-7	Cyclohexane	U	2.11	ug/kg	0.316	2.11
124-48-1	Dibromochloromethane	U	2.11	ug/kg	0.316	2.11
75-71-8	Dichlorodifluoromethane	U	2.11	ug/kg	0.316	2.11
100-41-4	Ethylbenzene	U	2.11	ug/kg	0.316	2.11
98-82-8	Isopropylbenzene	U	2.11	ug/kg	0.316	2.11
79-20-9	Methyl acetate	U	5.27	ug/kg	1.58	5.27
108-87-2	Methylcyclohexane	U	2.11	ug/kg	0.316	2.11
75-09-2	Methylene chloride	U	5.27	ug/kg	1.69	5.27

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454944
Lab Sample ID: 454944009

Client ID: SW22RE
Batch ID: 1785349
Run Date: 07/27/2018 18:59
Prep Date: 07/27/2018 11:09
Data File: 072718V3\3R517.D

Date Collected: 07/18/2018 14:00
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 7
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	2.11	ug/kg	0.316	2.11
127-18-4	Tetrachloroethylene	U	2.11	ug/kg	0.316	2.11
108-88-3	Toluene	U	2.11	ug/kg	0.316	2.11
79-01-6	Trichloroethylene	U	2.11	ug/kg	0.316	2.11
75-69-4	Trichlorofluoromethane	U	2.11	ug/kg	0.316	2.11
76-13-1	Trichlorotrifluoroethane	U	5.27	ug/kg	1.69	5.27
75-01-4	Vinyl chloride	U	2.11	ug/kg	0.316	2.11
156-59-2	cis-1,2-Dichloroethylene	U	2.11	ug/kg	0.316	2.11
10061-01-5	cis-1,3-Dichloropropylene	U	2.11	ug/kg	0.316	2.11
179601-23-1	m,p-Xylenes	U	4.22	ug/kg	0.316	4.22
95-47-6	o-Xylene	U	2.11	ug/kg	0.316	2.11
1634-04-4	tert-Butyl methyl ether	U	2.11	ug/kg	0.316	2.11
156-60-5	trans-1,2-Dichloroethylene	U	2.11	ug/kg	0.316	2.11
10061-02-6	trans-1,3-Dichloropropylene	U	2.11	ug/kg	0.316	2.11

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067004

Client ID: SW23RE
Batch ID: 1784645
Run Date: 08/02/2018 13:42
Prep Date: 08/02/2018 12:52
Data File: 080218V3\3S409.D

Date Collected: 07/19/2018 08:40
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.3
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	2.18	ug/kg	0.327	2.18
79-34-5	1,1,2,2-Tetrachloroethane	U	2.18	ug/kg	0.327	2.18
79-00-5	1,1,2-Trichloroethane	U	2.18	ug/kg	0.327	2.18
75-34-3	1,1-Dichloroethane	U	2.18	ug/kg	0.327	2.18
75-35-4	1,1-Dichloroethylene	U	2.18	ug/kg	0.327	2.18
87-61-6	1,2,3-Trichlorobenzene	J	2.08	ug/kg	0.327	2.18
120-82-1	1,2,4-Trichlorobenzene	J	1.67	ug/kg	0.327	2.18
96-12-8	1,2-Dibromo-3-chloropropane	U	2.18	ug/kg	0.546	2.18
106-93-4	1,2-Dibromoethane	U	2.18	ug/kg	0.327	2.18
95-50-1	1,2-Dichlorobenzene	J	0.349	ug/kg	0.327	2.18
107-06-2	1,2-Dichloroethane	U	2.18	ug/kg	0.327	2.18
78-87-5	1,2-Dichloropropane	U	2.18	ug/kg	0.327	2.18
541-73-1	1,3-Dichlorobenzene	J	0.644	ug/kg	0.327	2.18
106-46-7	1,4-Dichlorobenzene	J	0.840	ug/kg	0.327	2.18
123-91-1	1,4-Dioxane	U	54.6	ug/kg	16.4	54.6
78-93-3	2-Butanone	U	10.9	ug/kg	3.27	10.9
591-78-6	2-Hexanone	U	10.9	ug/kg	3.27	10.9
108-10-1	4-Methyl-2-pentanone	U	10.9	ug/kg	3.27	10.9
67-64-1	Acetone	J	7.55	ug/kg	3.27	10.9
71-43-2	Benzene	U	2.18	ug/kg	0.327	2.18
74-97-5	Bromochloromethane	U	2.18	ug/kg	0.327	2.18
75-27-4	Bromodichloromethane	U	2.18	ug/kg	0.327	2.18
75-25-2	Bromoform	U	2.18	ug/kg	0.327	2.18
74-83-9	Bromomethane	U	2.18	ug/kg	0.327	2.18
75-15-0	Carbon disulfide	U	10.9	ug/kg	1.75	10.9
56-23-5	Carbon tetrachloride	U	2.18	ug/kg	0.327	2.18
108-90-7	Chlorobenzene	U	2.18	ug/kg	0.327	2.18
75-00-3	Chloroethane	U	2.18	ug/kg	0.327	2.18
67-66-3	Chloroform	U	2.18	ug/kg	0.327	2.18
74-87-3	Chloromethane	U	2.18	ug/kg	0.327	2.18
110-82-7	Cyclohexane	U	2.18	ug/kg	0.327	2.18
124-48-1	Dibromochloromethane	U	2.18	ug/kg	0.327	2.18
75-71-8	Dichlorodifluoromethane	U	2.18	ug/kg	0.327	2.18
100-41-4	Ethylbenzene	U	2.18	ug/kg	0.327	2.18
98-82-8	Isopropylbenzene	U	2.18	ug/kg	0.327	2.18
79-20-9	Methyl acetate	U	5.46	ug/kg	1.64	5.46
108-87-2	Methylcyclohexane	U	2.18	ug/kg	0.327	2.18
75-09-2	Methylene chloride	U	5.46	ug/kg	1.75	5.46

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067004

Client ID: SW23RE
Batch ID: 1784645
Run Date: 08/02/2018 13:42
Prep Date: 08/02/2018 12:52
Data File: 080218V3\3S409.D

Date Collected: 07/19/2018 08:40
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.3
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	2.18	ug/kg	0.327	2.18
127-18-4	Tetrachloroethylene	U	2.18	ug/kg	0.327	2.18
108-88-3	Toluene	U	2.18	ug/kg	0.327	2.18
79-01-6	Trichloroethylene	U	2.18	ug/kg	0.327	2.18
75-69-4	Trichlorofluoromethane	U	2.18	ug/kg	0.327	2.18
76-13-1	Trichlorotrifluoroethane	U	5.46	ug/kg	1.75	5.46
75-01-4	Vinyl chloride	U	2.18	ug/kg	0.327	2.18
156-59-2	cis-1,2-Dichloroethylene	U	2.18	ug/kg	0.327	2.18
10061-01-5	cis-1,3-Dichloropropylene	U	2.18	ug/kg	0.327	2.18
179601-23-1	m,p-Xylenes	U	4.36	ug/kg	0.327	4.36
95-47-6	o-Xylene	U	2.18	ug/kg	0.327	2.18
1634-04-4	tert-Butyl methyl ether	U	2.18	ug/kg	0.327	2.18
156-60-5	trans-1,2-Dichloroethylene	U	2.18	ug/kg	0.327	2.18
10061-02-6	trans-1,3-Dichloropropylene	U	2.18	ug/kg	0.327	2.18

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067004

Client ID: SW23
Batch ID: 1784645
Run Date: 07/21/2018 16:06
Prep Date: 07/21/2018 12:11
Data File: 072118V3\3Q613.D

Date Collected: 07/19/2018 08:40
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.3
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	107	ug/kg	16.0	107
79-34-5	1,1,2,2-Tetrachloroethane	U	107	ug/kg	16.0	107
79-00-5	1,1,2-Trichloroethane	U	107	ug/kg	16.0	107
75-34-3	1,1-Dichloroethane	U	107	ug/kg	16.0	107
75-35-4	1,1-Dichloroethylene	U	107	ug/kg	16.0	107
87-61-6	1,2,3-Trichlorobenzene	U	107	ug/kg	16.0	107
120-82-1	1,2,4-Trichlorobenzene	U	107	ug/kg	16.0	107
96-12-8	1,2-Dibromo-3-chloropropane	U	107	ug/kg	26.7	107
106-93-4	1,2-Dibromoethane	U	107	ug/kg	16.0	107
95-50-1	1,2-Dichlorobenzene	U	107	ug/kg	16.0	107
107-06-2	1,2-Dichloroethane	U	107	ug/kg	16.0	107
78-87-5	1,2-Dichloropropane	U	107	ug/kg	16.0	107
541-73-1	1,3-Dichlorobenzene	U	107	ug/kg	16.0	107
106-46-7	1,4-Dichlorobenzene	U	107	ug/kg	16.0	107
123-91-1	1,4-Dioxane	U	2670	ug/kg	802	2670
78-93-3	2-Butanone	U	535	ug/kg	160	535
591-78-6	2-Hexanone	U	535	ug/kg	160	535
108-10-1	4-Methyl-2-pentanone	U	535	ug/kg	160	535
67-64-1	Acetone	U	535	ug/kg	160	535
71-43-2	Benzene	U	107	ug/kg	16.0	107
74-97-5	Bromochloromethane	U	107	ug/kg	16.0	107
75-27-4	Bromodichloromethane	U	107	ug/kg	16.0	107
75-25-2	Bromoform	U	107	ug/kg	16.0	107
74-83-9	Bromomethane	U	107	ug/kg	16.0	107
75-15-0	Carbon disulfide	U	535	ug/kg	85.6	535
56-23-5	Carbon tetrachloride	U	107	ug/kg	16.0	107
108-90-7	Chlorobenzene	U	107	ug/kg	16.0	107
75-00-3	Chloroethane	U	107	ug/kg	16.0	107
67-66-3	Chloroform	U	107	ug/kg	16.0	107
74-87-3	Chloromethane	U	107	ug/kg	16.0	107
110-82-7	Cyclohexane	U	107	ug/kg	16.0	107
124-48-1	Dibromochloromethane	U	107	ug/kg	16.0	107
75-71-8	Dichlorodifluoromethane	U	107	ug/kg	16.0	107
100-41-4	Ethylbenzene	U	107	ug/kg	16.0	107
98-82-8	Isopropylbenzene	U	107	ug/kg	16.0	107
79-20-9	Methyl acetate	U	267	ug/kg	80.2	267
108-87-2	Methylcyclohexane	U	107	ug/kg	16.0	107
75-09-2	Methylene chloride	U	267	ug/kg	85.6	267

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 455067
Lab Sample ID: 455067004

Client ID: SW23
Batch ID: 1784645
Run Date: 07/21/2018 16:06
Prep Date: 07/21/2018 12:11
Data File: 072118V3\3Q613.D

Date Collected: 07/19/2018 08:40
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 8.3
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	107	ug/kg	16.0	107
127-18-4	Tetrachloroethylene	U	107	ug/kg	16.0	107
108-88-3	Toluene	U	107	ug/kg	16.0	107
79-01-6	Trichloroethylene	U	107	ug/kg	16.0	107
75-69-4	Trichlorofluoromethane	U	107	ug/kg	16.0	107
76-13-1	Trichlorotrifluoroethane	U	267	ug/kg	85.6	267
75-01-4	Vinyl chloride	U	107	ug/kg	16.0	107
156-59-2	cis-1,2-Dichloroethylene	U	107	ug/kg	16.0	107
10061-01-5	cis-1,3-Dichloropropylene	U	107	ug/kg	16.0	107
179601-23-1	m,p-Xylenes	U	214	ug/kg	16.0	214
95-47-6	o-Xylene	U	107	ug/kg	16.0	107
1634-04-4	tert-Butyl methyl ether	U	107	ug/kg	16.0	107
156-60-5	trans-1,2-Dichloroethylene	U	107	ug/kg	16.0	107
10061-02-6	trans-1,3-Dichloropropylene	U	107	ug/kg	16.0	107

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454944
Lab Sample ID: 454944004

Client ID: SW24
Batch ID: 1785349
Run Date: 07/24/2018 16:25
Prep Date: 07/24/2018 13:16
Data File: 072418V3\3R214.D

Date Collected: 07/18/2018 09:20
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 9.4
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	108	ug/kg	16.2	108
79-34-5	1,1,2,2-Tetrachloroethane	U	108	ug/kg	16.2	108
79-00-5	1,1,2-Trichloroethane	U	108	ug/kg	16.2	108
75-34-3	1,1-Dichloroethane	U	108	ug/kg	16.2	108
75-35-4	1,1-Dichloroethylene	U	108	ug/kg	16.2	108
87-61-6	1,2,3-Trichlorobenzene	U	108	ug/kg	16.2	108
120-82-1	1,2,4-Trichlorobenzene	U	108	ug/kg	16.2	108
96-12-8	1,2-Dibromo-3-chloropropane	U	108	ug/kg	27.1	108
106-93-4	1,2-Dibromoethane	U	108	ug/kg	16.2	108
95-50-1	1,2-Dichlorobenzene	U	108	ug/kg	16.2	108
107-06-2	1,2-Dichloroethane	U	108	ug/kg	16.2	108
78-87-5	1,2-Dichloropropane	U	108	ug/kg	16.2	108
541-73-1	1,3-Dichlorobenzene	U	108	ug/kg	16.2	108
106-46-7	1,4-Dichlorobenzene	U	108	ug/kg	16.2	108
123-91-1	1,4-Dioxane	U	2710	ug/kg	812	2710
78-93-3	2-Butanone	U	541	ug/kg	162	541
591-78-6	2-Hexanone	U	541	ug/kg	162	541
108-10-1	4-Methyl-2-pentanone	U	541	ug/kg	162	541
67-64-1	Acetone	U	541	ug/kg	162	541
71-43-2	Benzene	U	108	ug/kg	16.2	108
74-97-5	Bromochloromethane	U	108	ug/kg	16.2	108
75-27-4	Bromodichloromethane	U	108	ug/kg	16.2	108
75-25-2	Bromoform	U	108	ug/kg	16.2	108
74-83-9	Bromomethane	U	108	ug/kg	16.2	108
75-15-0	Carbon disulfide	U	541	ug/kg	86.6	541
56-23-5	Carbon tetrachloride	U	108	ug/kg	16.2	108
108-90-7	Chlorobenzene	U	108	ug/kg	16.2	108
75-00-3	Chloroethane	U	108	ug/kg	16.2	108
67-66-3	Chloroform	U	108	ug/kg	16.2	108
74-87-3	Chloromethane	U	108	ug/kg	16.2	108
110-82-7	Cyclohexane	U	108	ug/kg	16.2	108
124-48-1	Dibromochloromethane	U	108	ug/kg	16.2	108
75-71-8	Dichlorodifluoromethane	U	108	ug/kg	16.2	108
100-41-4	Ethylbenzene	U	108	ug/kg	16.2	108
98-82-8	Isopropylbenzene	U	108	ug/kg	16.2	108
79-20-9	Methyl acetate	U	271	ug/kg	81.2	271
108-87-2	Methylcyclohexane	U	108	ug/kg	16.2	108
75-09-2	Methylene chloride	U	271	ug/kg	86.6	271

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454944
Lab Sample ID: 454944004

Client ID: SW24
Batch ID: 1785349
Run Date: 07/24/2018 16:25
Prep Date: 07/24/2018 13:16
Data File: 072418V3\3R214.D

Date Collected: 07/18/2018 09:20
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.1 g
Column: DB-624

Matrix: SOIL
%Moisture: 9.4
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	108	ug/kg	16.2	108
127-18-4	Tetrachloroethylene	U	108	ug/kg	16.2	108
108-88-3	Toluene	U	108	ug/kg	16.2	108
79-01-6	Trichloroethylene	U	108	ug/kg	16.2	108
75-69-4	Trichlorofluoromethane	U	108	ug/kg	16.2	108
76-13-1	Trichlorotrifluoroethane	U	271	ug/kg	86.6	271
75-01-4	Vinyl chloride	U	108	ug/kg	16.2	108
156-59-2	cis-1,2-Dichloroethylene	U	108	ug/kg	16.2	108
10061-01-5	cis-1,3-Dichloropropylene	U	108	ug/kg	16.2	108
179601-23-1	m,p-Xylenes	U	216	ug/kg	16.2	216
95-47-6	o-Xylene	U	108	ug/kg	16.2	108
1634-04-4	tert-Butyl methyl ether	U	108	ug/kg	16.2	108
156-60-5	trans-1,2-Dichloroethylene	U	108	ug/kg	16.2	108
10061-02-6	trans-1,3-Dichloropropylene	U	108	ug/kg	16.2	108

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454944
Lab Sample ID: 454944004

Client ID: SW24RE
Batch ID: 1785349
Run Date: 07/27/2018 16:23
Prep Date: 07/27/2018 11:04
Data File: 072718V3\3R512.D

Date Collected: 07/18/2018 09:20
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.3 g
Column: DB-624

Matrix: SOIL
%Moisture: 9.4
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	2.08	ug/kg	0.312	2.08
79-34-5	1,1,2,2-Tetrachloroethane	U	2.08	ug/kg	0.312	2.08
79-00-5	1,1,2-Trichloroethane	U	2.08	ug/kg	0.312	2.08
75-34-3	1,1-Dichloroethane	U	2.08	ug/kg	0.312	2.08
75-35-4	1,1-Dichloroethylene	U	2.08	ug/kg	0.312	2.08
87-61-6	1,2,3-Trichlorobenzene	U	2.08	ug/kg	0.312	2.08
120-82-1	1,2,4-Trichlorobenzene	J	0.479	ug/kg	0.312	2.08
96-12-8	1,2-Dibromo-3-chloropropane	U	2.08	ug/kg	0.521	2.08
106-93-4	1,2-Dibromoethane	U	2.08	ug/kg	0.312	2.08
95-50-1	1,2-Dichlorobenzene	U	2.08	ug/kg	0.312	2.08
107-06-2	1,2-Dichloroethane	U	2.08	ug/kg	0.312	2.08
78-87-5	1,2-Dichloropropane	U	2.08	ug/kg	0.312	2.08
541-73-1	1,3-Dichlorobenzene	U	2.08	ug/kg	0.312	2.08
106-46-7	1,4-Dichlorobenzene	U	2.08	ug/kg	0.312	2.08
123-91-1	1,4-Dioxane	U	52.1	ug/kg	15.6	52.1
78-93-3	2-Butanone	U	10.4	ug/kg	3.12	10.4
591-78-6	2-Hexanone	U	10.4	ug/kg	3.12	10.4
108-10-1	4-Methyl-2-pentanone	U	10.4	ug/kg	3.12	10.4
67-64-1	Acetone	J	6.57	ug/kg	3.12	10.4
71-43-2	Benzene	U	2.08	ug/kg	0.312	2.08
74-97-5	Bromochloromethane	U	2.08	ug/kg	0.312	2.08
75-27-4	Bromodichloromethane	U	2.08	ug/kg	0.312	2.08
75-25-2	Bromoform	U	2.08	ug/kg	0.312	2.08
74-83-9	Bromomethane	U	2.08	ug/kg	0.312	2.08
75-15-0	Carbon disulfide	U	10.4	ug/kg	1.67	10.4
56-23-5	Carbon tetrachloride	U	2.08	ug/kg	0.312	2.08
108-90-7	Chlorobenzene	U	2.08	ug/kg	0.312	2.08
75-00-3	Chloroethane	U	2.08	ug/kg	0.312	2.08
67-66-3	Chloroform	U	2.08	ug/kg	0.312	2.08
74-87-3	Chloromethane	U	2.08	ug/kg	0.312	2.08
110-82-7	Cyclohexane	U	2.08	ug/kg	0.312	2.08
124-48-1	Dibromochloromethane	U	2.08	ug/kg	0.312	2.08
75-71-8	Dichlorodifluoromethane	U	2.08	ug/kg	0.312	2.08
100-41-4	Ethylbenzene	U	2.08	ug/kg	0.312	2.08
98-82-8	Isopropylbenzene	U	2.08	ug/kg	0.312	2.08
79-20-9	Methyl acetate	U	5.21	ug/kg	1.56	5.21
108-87-2	Methylcyclohexane	U	2.08	ug/kg	0.312	2.08
75-09-2	Methylene chloride	U	5.21	ug/kg	1.67	5.21

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 454944
Lab Sample ID: 454944004

Client ID: SW24RE
Batch ID: 1785349
Run Date: 07/27/2018 16:23
Prep Date: 07/27/2018 11:04
Data File: 072718V3\3R512.D

Date Collected: 07/18/2018 09:20
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 5035A/8260C
Inst: VOA3.I
Analyst: JP1
Aliquot: 5.3 g
Column: DB-624

Matrix: SOIL
%Moisture: 9.4
Project: URSC00114
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
100-42-5	Styrene	U	2.08	ug/kg	0.312	2.08
127-18-4	Tetrachloroethylene	U	2.08	ug/kg	0.312	2.08
108-88-3	Toluene	U	2.08	ug/kg	0.312	2.08
79-01-6	Trichloroethylene	U	2.08	ug/kg	0.312	2.08
75-69-4	Trichlorofluoromethane	U	2.08	ug/kg	0.312	2.08
76-13-1	Trichlorotrifluoroethane	U	5.21	ug/kg	1.67	5.21
75-01-4	Vinyl chloride	U	2.08	ug/kg	0.312	2.08
156-59-2	cis-1,2-Dichloroethylene	U	2.08	ug/kg	0.312	2.08
10061-01-5	cis-1,3-Dichloropropylene	U	2.08	ug/kg	0.312	2.08
179601-23-1	m,p-Xylenes	U	4.17	ug/kg	0.312	4.17
95-47-6	o-Xylene	U	2.08	ug/kg	0.312	2.08
1634-04-4	tert-Butyl methyl ether	U	2.08	ug/kg	0.312	2.08
156-60-5	trans-1,2-Dichloroethylene	U	2.08	ug/kg	0.312	2.08
10061-02-6	trans-1,3-Dichloropropylene	U	2.08	ug/kg	0.312	2.08

ATTACHMENT 3

Laboratory Analytical Results

SEMI-VOLATILE ORGANIC COMPOUNDS

**Semi-Volatile
Certificate of Analysis
Sample Summary**

Page 1 of 2

SDG Number: 455067
Lab Sample ID: 455067006

Client ID: S01
Batch ID: 1785065
Run Date: 07/25/2018 19:08
Prep Date: 07/24/2018 10:24
Data File: s072518.B\s5g2510.D

Date Collected: 07/19/2018 09:25
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD5.I
Analyst: JLD1
Aliquot: 30.5 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 7.4
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
92-52-4	1,1'-Biphenyl	U	354	ug/kg	106	354
95-94-3	1,2,4,5-Tetrachlorobenzene	U	354	ug/kg	106	354
58-90-2	2,3,4,6-Tetrachlorophenol	U	354	ug/kg	106	354
95-95-4	2,4,5-Trichlorophenol	U	354	ug/kg	106	354
88-06-2	2,4,6-Trichlorophenol	U	354	ug/kg	106	354
120-83-2	2,4-Dichlorophenol	U	354	ug/kg	106	354
105-67-9	2,4-Dimethylphenol	U	354	ug/kg	106	354
51-28-5	2,4-Dinitrophenol	U	708	ug/kg	106	708
121-14-2	2,4-Dinitrotoluene	U	354	ug/kg	106	354
606-20-2	2,6-Dinitrotoluene	U	354	ug/kg	106	354
91-58-7	2-Chloronaphthalene	U	35.4	ug/kg	10.6	35.4
95-57-8	2-Chlorophenol	U	354	ug/kg	106	354
534-52-1	2-Methyl-4,6-dinitrophenol	U	354	ug/kg	106	354
91-57-6	2-Methylnaphthalene	U	35.4	ug/kg	10.6	35.4
88-75-5	2-Nitrophenol	U	354	ug/kg	106	354
91-94-1	3,3'-Dichlorobenzidine	U	354	ug/kg	106	354
101-55-3	4-Bromophenylphenylether	U	354	ug/kg	106	354
59-50-7	4-Chloro-3-methylphenol	U	354	ug/kg	142	354
106-47-8	4-Chloroaniline	U	354	ug/kg	106	354
7005-72-3	4-Chlorophenylphenylether	U	354	ug/kg	106	354
100-02-7	4-Nitrophenol	U	354	ug/kg	106	354
83-32-9	Acenaphthene	U	35.4	ug/kg	10.6	35.4
208-96-8	Acenaphthylene	U	35.4	ug/kg	10.6	35.4
98-86-2	Acetophenone	U	354	ug/kg	106	354
120-12-7	Anthracene	U	35.4	ug/kg	10.6	35.4
1912-24-9	Atrazine	U	354	ug/kg	142	354
100-52-7	Benzaldehyde	U	354	ug/kg	106	354
56-55-3	Benzo(a)anthracene	U	35.4	ug/kg	10.6	35.4
50-32-8	Benzo(a)pyrene	U	35.4	ug/kg	10.6	35.4
205-99-2	Benzo(b)fluoranthene	U	35.4	ug/kg	10.6	35.4
191-24-2	Benzo(ghi)perylene	U	35.4	ug/kg	10.6	35.4
207-08-9	Benzo(k)fluoranthene	U	35.4	ug/kg	10.6	35.4
85-68-7	Butylbenzylphthalate	U	35.4	ug/kg	10.6	35.4
105-60-2	Caprolactam	U	354	ug/kg	106	354
86-74-8	Carbazole	U	35.4	ug/kg	10.6	35.4
218-01-9	Chrysene	U	35.4	ug/kg	10.6	35.4
84-74-2	Di-n-butylphthalate	U	35.4	ug/kg	10.6	35.4
117-84-0	Di-n-octylphthalate	U	35.4	ug/kg	10.6	35.4

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 455067
Lab Sample ID: 455067006

Client ID: S01
Batch ID: 1785065
Run Date: 07/25/2018 19:08
Prep Date: 07/24/2018 10:24
Data File: s072518.B\s5g2510.D

Date Collected: 07/19/2018 09:25
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD5.I
Analyst: JLD1
Aliquot: 30.5 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 7.4
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
53-70-3	Dibenzo(a,h)anthracene	U	35.4	ug/kg	10.6	35.4
132-64-9	Dibenzofuran	U	354	ug/kg	106	354
84-66-2	Diethylphthalate	U	35.4	ug/kg	10.6	35.4
131-11-3	Dimethylphthalate	U	35.4	ug/kg	10.6	35.4
122-39-4	Diphenylamine	U	354	ug/kg	106	354
206-44-0	Fluoranthene	U	35.4	ug/kg	10.6	35.4
86-73-7	Fluorene	U	35.4	ug/kg	10.6	35.4
118-74-1	Hexachlorobenzene	U	354	ug/kg	106	354
87-68-3	Hexachlorobutadiene	U	354	ug/kg	106	354
77-47-4	Hexachlorocyclopentadiene	U	354	ug/kg	106	354
67-72-1	Hexachloroethane	U	354	ug/kg	106	354
193-39-5	Indeno(1,2,3-cd)pyrene	U	35.4	ug/kg	10.6	35.4
78-59-1	Isophorone	U	354	ug/kg	106	354
621-64-7	N-Nitrosodipropylamine	U	354	ug/kg	106	354
91-20-3	Naphthalene	U	35.4	ug/kg	10.6	35.4
98-95-3	Nitrobenzene	U	354	ug/kg	106	354
87-86-5	Pentachlorophenol	U	354	ug/kg	106	354
85-01-8	Phenanthrene	U	35.4	ug/kg	10.6	35.4
108-95-2	Phenol	U	354	ug/kg	106	354
129-00-0	Pyrene	U	35.4	ug/kg	10.6	35.4
108-60-1	bis(2-Chloro-1-methylethyl)ether	U	354	ug/kg	106	354
111-91-1	bis(2-Chloroethoxy)methane	U	354	ug/kg	106	354
111-44-4	bis(2-Chloroethyl) ether	U	354	ug/kg	106	354
117-81-7	bis(2-Ethylhexyl)phthalate	U	35.4	ug/kg	10.6	35.4
65794-96-9	m,p-Cresols	U	354	ug/kg	106	354
99-09-2	m-Nitroaniline	U	354	ug/kg	106	354
95-48-7	o-Cresol	U	354	ug/kg	106	354
88-74-4	o-Nitroaniline	U	354	ug/kg	117	354
100-01-6	p-Nitroaniline	U	354	ug/kg	106	354

**Semi-Volatile
Certificate of Analysis
Sample Summary**

Page 1 of 2

SDG Number: 455067
Lab Sample ID: 455067014

Client ID: S02
Batch ID: 1785065
Run Date: 07/25/2018 23:09
Prep Date: 07/24/2018 10:24
Data File: s072518.B\s5g2518.D

Date Collected: 07/19/2018 13:25
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD5.I
Analyst: JLD1
Aliquot: 30.49 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 7.9
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
92-52-4	1,1'-Biphenyl	U	356	ug/kg	107	356
95-94-3	1,2,4,5-Tetrachlorobenzene	U	356	ug/kg	107	356
58-90-2	2,3,4,6-Tetrachlorophenol	U	356	ug/kg	107	356
95-95-4	2,4,5-Trichlorophenol	U	356	ug/kg	107	356
88-06-2	2,4,6-Trichlorophenol	U	356	ug/kg	107	356
120-83-2	2,4-Dichlorophenol	U	356	ug/kg	107	356
105-67-9	2,4-Dimethylphenol	U	356	ug/kg	107	356
51-28-5	2,4-Dinitrophenol	U	712	ug/kg	107	712
121-14-2	2,4-Dinitrotoluene	U	356	ug/kg	107	356
606-20-2	2,6-Dinitrotoluene	U	356	ug/kg	107	356
91-58-7	2-Chloronaphthalene	U	35.6	ug/kg	10.7	35.6
95-57-8	2-Chlorophenol	U	356	ug/kg	107	356
534-52-1	2-Methyl-4,6-dinitrophenol	U	356	ug/kg	107	356
91-57-6	2-Methylnaphthalene	U	35.6	ug/kg	10.7	35.6
88-75-5	2-Nitrophenol	U	356	ug/kg	107	356
91-94-1	3,3'-Dichlorobenzidine	U	356	ug/kg	107	356
101-55-3	4-Bromophenylphenylether	U	356	ug/kg	107	356
59-50-7	4-Chloro-3-methylphenol	U	356	ug/kg	142	356
106-47-8	4-Chloroaniline	U	356	ug/kg	107	356
7005-72-3	4-Chlorophenylphenylether	U	356	ug/kg	107	356
100-02-7	4-Nitrophenol	U	356	ug/kg	107	356
83-32-9	Acenaphthene	U	35.6	ug/kg	10.7	35.6
208-96-8	Acenaphthylene	U	35.6	ug/kg	10.7	35.6
98-86-2	Acetophenone	U	356	ug/kg	107	356
120-12-7	Anthracene	U	35.6	ug/kg	10.7	35.6
1912-24-9	Atrazine	U	356	ug/kg	142	356
100-52-7	Benzaldehyde	U	356	ug/kg	107	356
56-55-3	Benzo(a)anthracene	U	35.6	ug/kg	10.7	35.6
50-32-8	Benzo(a)pyrene	U	35.6	ug/kg	10.7	35.6
205-99-2	Benzo(b)fluoranthene	U	35.6	ug/kg	10.7	35.6
191-24-2	Benzo(ghi)perylene	U	35.6	ug/kg	10.7	35.6
207-08-9	Benzo(k)fluoranthene	U	35.6	ug/kg	10.7	35.6
85-68-7	Butylbenzylphthalate	U	35.6	ug/kg	10.7	35.6
105-60-2	Caprolactam	U	356	ug/kg	107	356
86-74-8	Carbazole	U	35.6	ug/kg	10.7	35.6
218-01-9	Chrysene	U	35.6	ug/kg	10.7	35.6
84-74-2	Di-n-butylphthalate	U	35.6	ug/kg	10.7	35.6
117-84-0	Di-n-octylphthalate	U	35.6	ug/kg	10.7	35.6

**Semi-Volatile
Certificate of Analysis
Sample Summary**

Page 2 of 2

SDG Number: 455067
Lab Sample ID: 455067014

Client ID: S02
Batch ID: 1785065
Run Date: 07/25/2018 23:09
Prep Date: 07/24/2018 10:24
Data File: s072518.B\s5g2518.D

Date Collected: 07/19/2018 13:25
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD5.I
Analyst: JLD1
Aliquot: 30.49 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 7.9
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
53-70-3	Dibenzo(a,h)anthracene	U	35.6	ug/kg	10.7	35.6
132-64-9	Dibenzofuran	U	356	ug/kg	107	356
84-66-2	Diethylphthalate	U	35.6	ug/kg	10.7	35.6
131-11-3	Dimethylphthalate	U	35.6	ug/kg	10.7	35.6
122-39-4	Diphenylamine	U	356	ug/kg	107	356
206-44-0	Fluoranthene	U	35.6	ug/kg	10.7	35.6
86-73-7	Fluorene	U	35.6	ug/kg	10.7	35.6
118-74-1	Hexachlorobenzene	U	356	ug/kg	107	356
87-68-3	Hexachlorobutadiene	U	356	ug/kg	107	356
77-47-4	Hexachlorocyclopentadiene	U	356	ug/kg	107	356
67-72-1	Hexachloroethane	U	356	ug/kg	107	356
193-39-5	Indeno(1,2,3-cd)pyrene	U	35.6	ug/kg	10.7	35.6
78-59-1	Isophorone	U	356	ug/kg	107	356
621-64-7	N-Nitrosodipropylamine	U	356	ug/kg	107	356
91-20-3	Naphthalene	U	35.6	ug/kg	10.7	35.6
98-95-3	Nitrobenzene	U	356	ug/kg	107	356
87-86-5	Pentachlorophenol	U	356	ug/kg	107	356
85-01-8	Phenanthrene	U	35.6	ug/kg	10.7	35.6
108-95-2	Phenol	U	356	ug/kg	107	356
129-00-0	Pyrene	U	35.6	ug/kg	10.7	35.6
108-60-1	bis(2-Chloro-1-methylethyl)ether	U	356	ug/kg	107	356
111-91-1	bis(2-Chloroethoxy)methane	U	356	ug/kg	107	356
111-44-4	bis(2-Chloroethyl) ether	U	356	ug/kg	107	356
117-81-7	bis(2-Ethylhexyl)phthalate	U	35.6	ug/kg	10.7	35.6
65794-96-9	m,p-Cresols	U	356	ug/kg	107	356
99-09-2	m-Nitroaniline	U	356	ug/kg	107	356
95-48-7	o-Cresol	U	356	ug/kg	107	356
88-74-4	o-Nitroaniline	U	356	ug/kg	118	356
100-01-6	p-Nitroaniline	U	356	ug/kg	107	356

**Semi-Volatile
Certificate of Analysis
Sample Summary**

Page 1 of 2

SDG Number: 455067
Lab Sample ID: 455067013

Client ID: S03
Batch ID: 1785065
Run Date: 07/25/2018 22:39
Prep Date: 07/24/2018 10:24
Data File: s072518.B\s5g2517.D

Date Collected: 07/19/2018 13:10
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD5.I
Analyst: JLD1
Aliquot: 30.23 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 7.7
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
92-52-4	1,1'-Biphenyl	U	358	ug/kg	107	358
95-94-3	1,2,4,5-Tetrachlorobenzene	U	358	ug/kg	107	358
58-90-2	2,3,4,6-Tetrachlorophenol	U	358	ug/kg	107	358
95-95-4	2,4,5-Trichlorophenol	U	358	ug/kg	107	358
88-06-2	2,4,6-Trichlorophenol	U	358	ug/kg	107	358
120-83-2	2,4-Dichlorophenol	U	358	ug/kg	107	358
105-67-9	2,4-Dimethylphenol	U	358	ug/kg	107	358
51-28-5	2,4-Dinitrophenol	U	716	ug/kg	107	716
121-14-2	2,4-Dinitrotoluene	U	358	ug/kg	107	358
606-20-2	2,6-Dinitrotoluene	U	358	ug/kg	107	358
91-58-7	2-Chloronaphthalene	U	35.8	ug/kg	10.7	35.8
95-57-8	2-Chlorophenol	U	358	ug/kg	107	358
534-52-1	2-Methyl-4,6-dinitrophenol	U	358	ug/kg	107	358
91-57-6	2-Methylnaphthalene	U	35.8	ug/kg	10.7	35.8
88-75-5	2-Nitrophenol	U	358	ug/kg	107	358
91-94-1	3,3'-Dichlorobenzidine	U	358	ug/kg	107	358
101-55-3	4-Bromophenylphenylether	U	358	ug/kg	107	358
59-50-7	4-Chloro-3-methylphenol	U	358	ug/kg	143	358
106-47-8	4-Chloroaniline	U	358	ug/kg	107	358
7005-72-3	4-Chlorophenylphenylether	U	358	ug/kg	107	358
100-02-7	4-Nitrophenol	U	358	ug/kg	107	358
83-32-9	Acenaphthene	U	35.8	ug/kg	10.7	35.8
208-96-8	Acenaphthylene	U	35.8	ug/kg	10.7	35.8
98-86-2	Acetophenone	U	358	ug/kg	107	358
120-12-7	Anthracene	U	35.8	ug/kg	10.7	35.8
1912-24-9	Atrazine	U	358	ug/kg	143	358
100-52-7	Benzaldehyde	U	358	ug/kg	107	358
56-55-3	Benzo(a)anthracene	U	35.8	ug/kg	10.7	35.8
50-32-8	Benzo(a)pyrene	U	35.8	ug/kg	10.7	35.8
205-99-2	Benzo(b)fluoranthene	U	35.8	ug/kg	10.7	35.8
191-24-2	Benzo(ghi)perylene	U	35.8	ug/kg	10.7	35.8
207-08-9	Benzo(k)fluoranthene	U	35.8	ug/kg	10.7	35.8
85-68-7	Butylbenzylphthalate	U	35.8	ug/kg	10.7	35.8
105-60-2	Caprolactam	U	358	ug/kg	107	358
86-74-8	Carbazole	U	35.8	ug/kg	10.7	35.8
218-01-9	Chrysene	U	35.8	ug/kg	10.7	35.8
84-74-2	Di-n-butylphthalate	U	35.8	ug/kg	10.7	35.8
117-84-0	Di-n-octylphthalate	U	35.8	ug/kg	10.7	35.8

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Certificate of Analysis
Sample Summary**

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SDG Number: 455067
Lab Sample ID: 455067013

Client ID: S03
Batch ID: 1785065
Run Date: 07/25/2018 22:39
Prep Date: 07/24/2018 10:24
Data File: s072518.B\s5g2517.D

Date Collected: 07/19/2018 13:10
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD5.I
Analyst: JLD1
Aliquot: 30.23 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 7.7
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
53-70-3	Dibenzo(a,h)anthracene	U	35.8	ug/kg	10.7	35.8
132-64-9	Dibenzofuran	U	358	ug/kg	107	358
84-66-2	Diethylphthalate	U	35.8	ug/kg	10.7	35.8
131-11-3	Dimethylphthalate	U	35.8	ug/kg	10.7	35.8
122-39-4	Diphenylamine	U	358	ug/kg	107	358
206-44-0	Fluoranthene	U	35.8	ug/kg	10.7	35.8
86-73-7	Fluorene	U	35.8	ug/kg	10.7	35.8
118-74-1	Hexachlorobenzene	U	358	ug/kg	107	358
87-68-3	Hexachlorobutadiene	U	358	ug/kg	107	358
77-47-4	Hexachlorocyclopentadiene	U	358	ug/kg	107	358
67-72-1	Hexachloroethane	U	358	ug/kg	107	358
193-39-5	Indeno(1,2,3-cd)pyrene	U	35.8	ug/kg	10.7	35.8
78-59-1	Isophorone	U	358	ug/kg	107	358
621-64-7	N-Nitrosodipropylamine	U	358	ug/kg	107	358
91-20-3	Naphthalene	U	35.8	ug/kg	10.7	35.8
98-95-3	Nitrobenzene	U	358	ug/kg	107	358
87-86-5	Pentachlorophenol	U	358	ug/kg	107	358
85-01-8	Phenanthrene	U	35.8	ug/kg	10.7	35.8
108-95-2	Phenol	U	358	ug/kg	107	358
129-00-0	Pyrene	U	35.8	ug/kg	10.7	35.8
108-60-1	bis(2-Chloro-1-methylethyl)ether	U	358	ug/kg	107	358
111-91-1	bis(2-Chloroethoxy)methane	U	358	ug/kg	107	358
111-44-4	bis(2-Chloroethyl) ether	U	358	ug/kg	107	358
117-81-7	bis(2-Ethylhexyl)phthalate	U	35.8	ug/kg	10.7	35.8
65794-96-9	m,p-Cresols	U	358	ug/kg	107	358
99-09-2	m-Nitroaniline	U	358	ug/kg	107	358
95-48-7	o-Cresol	U	358	ug/kg	107	358
88-74-4	o-Nitroaniline	U	358	ug/kg	118	358
100-01-6	p-Nitroaniline	U	358	ug/kg	107	358

**Semi-Volatile
Certificate of Analysis
Sample Summary**

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SDG Number: 455067
Lab Sample ID: 455067010

Client ID: S04
Batch ID: 1785065
Run Date: 07/25/2018 21:08
Prep Date: 07/24/2018 10:24
Data File: s072518.B\s5g2514.D

Date Collected: 07/19/2018 10:40
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD5.I
Analyst: JLD1
Aliquot: 30.03 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 7.7
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
92-52-4	1,1'-Biphenyl	U	361	ug/kg	108	361
95-94-3	1,2,4,5-Tetrachlorobenzene	U	361	ug/kg	108	361
58-90-2	2,3,4,6-Tetrachlorophenol	U	361	ug/kg	108	361
95-95-4	2,4,5-Trichlorophenol	U	361	ug/kg	108	361
88-06-2	2,4,6-Trichlorophenol	U	361	ug/kg	108	361
120-83-2	2,4-Dichlorophenol	U	361	ug/kg	108	361
105-67-9	2,4-Dimethylphenol	U	361	ug/kg	108	361
51-28-5	2,4-Dinitrophenol	U	722	ug/kg	108	722
121-14-2	2,4-Dinitrotoluene	U	361	ug/kg	108	361
606-20-2	2,6-Dinitrotoluene	U	361	ug/kg	108	361
91-58-7	2-Chloronaphthalene	U	36.1	ug/kg	10.8	36.1
95-57-8	2-Chlorophenol	U	361	ug/kg	108	361
534-52-1	2-Methyl-4,6-dinitrophenol	U	361	ug/kg	108	361
91-57-6	2-Methylnaphthalene	U	36.1	ug/kg	10.8	36.1
88-75-5	2-Nitrophenol	U	361	ug/kg	108	361
91-94-1	3,3'-Dichlorobenzidine	U	361	ug/kg	108	361
101-55-3	4-Bromophenylphenylether	U	361	ug/kg	108	361
59-50-7	4-Chloro-3-methylphenol	U	361	ug/kg	144	361
106-47-8	4-Chloroaniline	U	361	ug/kg	108	361
7005-72-3	4-Chlorophenylphenylether	U	361	ug/kg	108	361
100-02-7	4-Nitrophenol	U	361	ug/kg	108	361
83-32-9	Acenaphthene	U	36.1	ug/kg	10.8	36.1
208-96-8	Acenaphthylene	U	36.1	ug/kg	10.8	36.1
98-86-2	Acetophenone	U	361	ug/kg	108	361
120-12-7	Anthracene	U	36.1	ug/kg	10.8	36.1
1912-24-9	Atrazine	U	361	ug/kg	144	361
100-52-7	Benzaldehyde	U	361	ug/kg	108	361
56-55-3	Benzo(a)anthracene	U	36.1	ug/kg	10.8	36.1
50-32-8	Benzo(a)pyrene	U	36.1	ug/kg	10.8	36.1
205-99-2	Benzo(b)fluoranthene	U	36.1	ug/kg	10.8	36.1
191-24-2	Benzo(ghi)perylene	U	36.1	ug/kg	10.8	36.1
207-08-9	Benzo(k)fluoranthene	U	36.1	ug/kg	10.8	36.1
85-68-7	Butylbenzylphthalate	U	36.1	ug/kg	10.8	36.1
105-60-2	Caprolactam	U	361	ug/kg	108	361
86-74-8	Carbazole	U	36.1	ug/kg	10.8	36.1
218-01-9	Chrysene	U	36.1	ug/kg	10.8	36.1
84-74-2	Di-n-butylphthalate	U	36.1	ug/kg	10.8	36.1
117-84-0	Di-n-octylphthalate	U	36.1	ug/kg	10.8	36.1

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 455067
Lab Sample ID: 455067010

Client ID: S04
Batch ID: 1785065
Run Date: 07/25/2018 21:08
Prep Date: 07/24/2018 10:24
Data File: s072518.B\s5g2514.D

Date Collected: 07/19/2018 10:40
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD5.I
Analyst: JLD1
Aliquot: 30.03 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 7.7
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
53-70-3	Dibenzo(a,h)anthracene	U	36.1	ug/kg	10.8	36.1
132-64-9	Dibenzofuran	U	361	ug/kg	108	361
84-66-2	Diethylphthalate	U	36.1	ug/kg	10.8	36.1
131-11-3	Dimethylphthalate	U	36.1	ug/kg	10.8	36.1
122-39-4	Diphenylamine	U	361	ug/kg	108	361
206-44-0	Fluoranthene	U	36.1	ug/kg	10.8	36.1
86-73-7	Fluorene	U	36.1	ug/kg	10.8	36.1
118-74-1	Hexachlorobenzene	U	361	ug/kg	108	361
87-68-3	Hexachlorobutadiene	U	361	ug/kg	108	361
77-47-4	Hexachlorocyclopentadiene	U	361	ug/kg	108	361
67-72-1	Hexachloroethane	U	361	ug/kg	108	361
193-39-5	Indeno(1,2,3-cd)pyrene	U	36.1	ug/kg	10.8	36.1
78-59-1	Isophorone	U	361	ug/kg	108	361
621-64-7	N-Nitrosodipropylamine	U	361	ug/kg	108	361
91-20-3	Naphthalene	U	36.1	ug/kg	10.8	36.1
98-95-3	Nitrobenzene	U	361	ug/kg	108	361
87-86-5	Pentachlorophenol	U	361	ug/kg	108	361
85-01-8	Phenanthrene	U	36.1	ug/kg	10.8	36.1
108-95-2	Phenol	U	361	ug/kg	108	361
129-00-0	Pyrene	U	36.1	ug/kg	10.8	36.1
108-60-1	bis(2-Chloro-1-methylethyl)ether	U	361	ug/kg	108	361
111-91-1	bis(2-Chloroethoxy)methane	U	361	ug/kg	108	361
111-44-4	bis(2-Chloroethyl) ether	U	361	ug/kg	108	361
117-81-7	bis(2-Ethylhexyl)phthalate	U	36.1	ug/kg	10.8	36.1
65794-96-9	m,p-Cresols	U	361	ug/kg	108	361
99-09-2	m-Nitroaniline	U	361	ug/kg	108	361
95-48-7	o-Cresol	U	361	ug/kg	108	361
88-74-4	o-Nitroaniline	U	361	ug/kg	119	361
100-01-6	p-Nitroaniline	U	361	ug/kg	108	361

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SDG Number: 454944
Lab Sample ID: 454944005

Client ID: S05
Batch ID: 1784536
Run Date: 07/23/2018 22:13
Prep Date: 07/23/2018 11:27
Data File: 072318.s\Ag2317.D

Date Collected: 07/18/2018 10:20
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 3541/8270D
Inst: MSDA.I
Analyst: LOF
Aliquot: 30.49 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 8.8
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
92-52-4	1,1'-Biphenyl	U	360	ug/kg	108	360
95-94-3	1,2,4,5-Tetrachlorobenzene	U	360	ug/kg	108	360
58-90-2	2,3,4,6-Tetrachlorophenol	U	360	ug/kg	108	360
95-95-4	2,4,5-Trichlorophenol	U	360	ug/kg	108	360
88-06-2	2,4,6-Trichlorophenol	U	360	ug/kg	108	360
120-83-2	2,4-Dichlorophenol	U	360	ug/kg	108	360
105-67-9	2,4-Dimethylphenol	U	360	ug/kg	108	360
51-28-5	2,4-Dinitrophenol	U	719	ug/kg	108	719
121-14-2	2,4-Dinitrotoluene	U	360	ug/kg	108	360
606-20-2	2,6-Dinitrotoluene	U	360	ug/kg	108	360
91-58-7	2-Chloronaphthalene	U	36.0	ug/kg	10.8	36.0
95-57-8	2-Chlorophenol	U	360	ug/kg	108	360
534-52-1	2-Methyl-4,6-dinitrophenol	U	360	ug/kg	108	360
91-57-6	2-Methylnaphthalene	U	36.0	ug/kg	10.8	36.0
88-75-5	2-Nitrophenol	U	360	ug/kg	108	360
91-94-1	3,3'-Dichlorobenzidine	U	360	ug/kg	108	360
101-55-3	4-Bromophenylphenylether	U	360	ug/kg	108	360
59-50-7	4-Chloro-3-methylphenol	U	360	ug/kg	144	360
106-47-8	4-Chloroaniline	U	360	ug/kg	108	360
7005-72-3	4-Chlorophenylphenylether	U	360	ug/kg	108	360
100-02-7	4-Nitrophenol	U	360	ug/kg	108	360
83-32-9	Acenaphthene	U	36.0	ug/kg	10.8	36.0
208-96-8	Acenaphthylene	U	36.0	ug/kg	10.8	36.0
98-86-2	Acetophenone	U	360	ug/kg	108	360
120-12-7	Anthracene	U	36.0	ug/kg	10.8	36.0
1912-24-9	Atrazine	U	360	ug/kg	144	360
100-52-7	Benzaldehyde	U	360	ug/kg	108	360
56-55-3	Benzo(a)anthracene	U	36.0	ug/kg	10.8	36.0
50-32-8	Benzo(a)pyrene	U	36.0	ug/kg	10.8	36.0
205-99-2	Benzo(b)fluoranthene	U	36.0	ug/kg	10.8	36.0
191-24-2	Benzo(ghi)perylene	U	36.0	ug/kg	10.8	36.0
207-08-9	Benzo(k)fluoranthene	U	36.0	ug/kg	10.8	36.0
85-68-7	Butylbenzylphthalate	U	36.0	ug/kg	10.8	36.0
105-60-2	Caprolactam	U	360	ug/kg	108	360
86-74-8	Carbazole	U	36.0	ug/kg	10.8	36.0
218-01-9	Chrysene	U	36.0	ug/kg	10.8	36.0
84-74-2	Di-n-butylphthalate	U	36.0	ug/kg	10.8	36.0
117-84-0	Di-n-octylphthalate	U	36.0	ug/kg	10.8	36.0

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Sample Summary**

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SDG Number: 454944
Lab Sample ID: 454944005
Client ID: S05
Batch ID: 1784536
Run Date: 07/23/2018 22:13
Prep Date: 07/23/2018 11:27
Data File: 072318.s\Ag2317.D

Date Collected: 07/18/2018 10:20
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 3541/8270D
Inst: MSDA.I
Analyst: LOF
Aliquot: 30.49 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 8.8
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
53-70-3	Dibenzo(a,h)anthracene	U	36.0	ug/kg	10.8	36.0
132-64-9	Dibenzofuran	U	360	ug/kg	108	360
84-66-2	Diethylphthalate	U	36.0	ug/kg	10.8	36.0
131-11-3	Dimethylphthalate	U	36.0	ug/kg	10.8	36.0
122-39-4	Diphenylamine	U	360	ug/kg	108	360
206-44-0	Fluoranthene	U	36.0	ug/kg	10.8	36.0
86-73-7	Fluorene	U	36.0	ug/kg	10.8	36.0
118-74-1	Hexachlorobenzene	U	360	ug/kg	108	360
87-68-3	Hexachlorobutadiene	U	360	ug/kg	108	360
77-47-4	Hexachlorocyclopentadiene	U	360	ug/kg	108	360
67-72-1	Hexachloroethane	U	360	ug/kg	108	360
193-39-5	Indeno(1,2,3-cd)pyrene	U	36.0	ug/kg	10.8	36.0
78-59-1	Isophorone	U	360	ug/kg	108	360
621-64-7	N-Nitrosodipropylamine	U	360	ug/kg	108	360
91-20-3	Naphthalene	U	36.0	ug/kg	10.8	36.0
98-95-3	Nitrobenzene	U	360	ug/kg	108	360
87-86-5	Pentachlorophenol	U	360	ug/kg	108	360
85-01-8	Phenanthrene	U	36.0	ug/kg	10.8	36.0
108-95-2	Phenol	U	360	ug/kg	108	360
129-00-0	Pyrene	U	36.0	ug/kg	10.8	36.0
108-60-1	bis(2-Chloro-1-methylethyl)ether	U	360	ug/kg	108	360
111-91-1	bis(2-Chloroethoxy)methane	U	360	ug/kg	108	360
111-44-4	bis(2-Chloroethyl) ether	U	360	ug/kg	108	360
117-81-7	bis(2-Ethylhexyl)phthalate	U	36.0	ug/kg	10.8	36.0
65794-96-9	m,p-Cresols	U	360	ug/kg	108	360
99-09-2	m-Nitroaniline	U	360	ug/kg	108	360
95-48-7	o-Cresol	U	360	ug/kg	108	360
88-74-4	o-Nitroaniline	U	360	ug/kg	119	360
100-01-6	p-Nitroaniline	U	360	ug/kg	108	360

**Semi-Volatile
Certificate of Analysis
Sample Summary**

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SDG Number: 454944
Lab Sample ID: 454944003

Client ID: S06
Batch ID: 1784536
Run Date: 07/23/2018 21:16
Prep Date: 07/23/2018 11:27
Data File: 072318.s\Ag2315.D

Date Collected: 07/18/2018 09:10
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 3541/8270D
Inst: MSDA.I
Analyst: LOF
Aliquot: 30.12 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 7.1
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
92-52-4	1,1'-Biphenyl	U	357	ug/kg	107	357
95-94-3	1,2,4,5-Tetrachlorobenzene	U	357	ug/kg	107	357
58-90-2	2,3,4,6-Tetrachlorophenol	U	357	ug/kg	107	357
95-95-4	2,4,5-Trichlorophenol	U	357	ug/kg	107	357
88-06-2	2,4,6-Trichlorophenol	U	357	ug/kg	107	357
120-83-2	2,4-Dichlorophenol	U	357	ug/kg	107	357
105-67-9	2,4-Dimethylphenol	U	357	ug/kg	107	357
51-28-5	2,4-Dinitrophenol	U	715	ug/kg	107	715
121-14-2	2,4-Dinitrotoluene	U	357	ug/kg	107	357
606-20-2	2,6-Dinitrotoluene	U	357	ug/kg	107	357
91-58-7	2-Chloronaphthalene	U	35.7	ug/kg	10.7	35.7
95-57-8	2-Chlorophenol	U	357	ug/kg	107	357
534-52-1	2-Methyl-4,6-dinitrophenol	U	357	ug/kg	107	357
91-57-6	2-Methylnaphthalene	U	35.7	ug/kg	10.7	35.7
88-75-5	2-Nitrophenol	U	357	ug/kg	107	357
91-94-1	3,3'-Dichlorobenzidine	U	357	ug/kg	107	357
101-55-3	4-Bromophenylphenylether	U	357	ug/kg	107	357
59-50-7	4-Chloro-3-methylphenol	U	357	ug/kg	143	357
106-47-8	4-Chloroaniline	U	357	ug/kg	107	357
7005-72-3	4-Chlorophenylphenylether	U	357	ug/kg	107	357
100-02-7	4-Nitrophenol	U	357	ug/kg	107	357
83-32-9	Acenaphthene	U	35.7	ug/kg	10.7	35.7
208-96-8	Acenaphthylene	U	35.7	ug/kg	10.7	35.7
98-86-2	Acetophenone	U	357	ug/kg	107	357
120-12-7	Anthracene	U	35.7	ug/kg	10.7	35.7
1912-24-9	Atrazine	U	357	ug/kg	143	357
100-52-7	Benzaldehyde	U	357	ug/kg	107	357
56-55-3	Benzo(a)anthracene	U	35.7	ug/kg	10.7	35.7
50-32-8	Benzo(a)pyrene	U	35.7	ug/kg	10.7	35.7
205-99-2	Benzo(b)fluoranthene	U	35.7	ug/kg	10.7	35.7
191-24-2	Benzo(ghi)perylene	U	35.7	ug/kg	10.7	35.7
207-08-9	Benzo(k)fluoranthene	U	35.7	ug/kg	10.7	35.7
85-68-7	Butylbenzylphthalate	U	35.7	ug/kg	10.7	35.7
105-60-2	Caprolactam	U	357	ug/kg	107	357
86-74-8	Carbazole	U	35.7	ug/kg	10.7	35.7
218-01-9	Chrysene	U	35.7	ug/kg	10.7	35.7
84-74-2	Di-n-butylphthalate	U	35.7	ug/kg	10.7	35.7
117-84-0	Di-n-octylphthalate	U	35.7	ug/kg	10.7	35.7

**Semi-Volatile
Certificate of Analysis
Sample Summary**

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SDG Number: 454944
Lab Sample ID: 454944003

Client ID: S06
Batch ID: 1784536
Run Date: 07/23/2018 21:16
Prep Date: 07/23/2018 11:27
Data File: 072318.s\Ag2315.D

Date Collected: 07/18/2018 09:10
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 3541/8270D
Inst: MSDA.I
Analyst: LOF
Aliquot: 30.12 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 7.1
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
53-70-3	Dibenzo(a,h)anthracene	U	35.7	ug/kg	10.7	35.7
132-64-9	Dibenzofuran	U	357	ug/kg	107	357
84-66-2	Diethylphthalate	U	35.7	ug/kg	10.7	35.7
131-11-3	Dimethylphthalate	U	35.7	ug/kg	10.7	35.7
122-39-4	Diphenylamine	U	357	ug/kg	107	357
206-44-0	Fluoranthene	U	35.7	ug/kg	10.7	35.7
86-73-7	Fluorene	U	35.7	ug/kg	10.7	35.7
118-74-1	Hexachlorobenzene	U	357	ug/kg	107	357
87-68-3	Hexachlorobutadiene	U	357	ug/kg	107	357
77-47-4	Hexachlorocyclopentadiene	U	357	ug/kg	107	357
67-72-1	Hexachloroethane	U	357	ug/kg	107	357
193-39-5	Indeno(1,2,3-cd)pyrene	U	35.7	ug/kg	10.7	35.7
78-59-1	Isophorone	U	357	ug/kg	107	357
621-64-7	N-Nitrosodipropylamine	U	357	ug/kg	107	357
91-20-3	Naphthalene	U	35.7	ug/kg	10.7	35.7
98-95-3	Nitrobenzene	U	357	ug/kg	107	357
87-86-5	Pentachlorophenol	U	357	ug/kg	107	357
85-01-8	Phenanthrene	U	35.7	ug/kg	10.7	35.7
108-95-2	Phenol	U	357	ug/kg	107	357
129-00-0	Pyrene	U	35.7	ug/kg	10.7	35.7
108-60-1	bis(2-Chloro-1-methylethyl)ether	U	357	ug/kg	107	357
111-91-1	bis(2-Chloroethoxy)methane	U	357	ug/kg	107	357
111-44-4	bis(2-Chloroethyl) ether	U	357	ug/kg	107	357
117-81-7	bis(2-Ethylhexyl)phthalate	U	35.7	ug/kg	10.7	35.7
65794-96-9	m,p-Cresols	U	357	ug/kg	107	357
99-09-2	m-Nitroaniline	U	357	ug/kg	107	357
95-48-7	o-Cresol	U	357	ug/kg	107	357
88-74-4	o-Nitroaniline	U	357	ug/kg	118	357
100-01-6	p-Nitroaniline	U	357	ug/kg	107	357

**Semi-Volatile
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Sample Summary**

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SDG Number: 455067
Lab Sample ID: 455067009

Client ID: S07
Batch ID: 1785065
Run Date: 07/25/2018 20:38
Prep Date: 07/24/2018 10:24
Data File: s072518.B\s5g2513.D

Date Collected: 07/19/2018 10:25
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD5.I
Analyst: JLD1
Aliquot: 30.28 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 7.5
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
92-52-4	1,1'-Biphenyl	U	357	ug/kg	107	357
95-94-3	1,2,4,5-Tetrachlorobenzene	U	357	ug/kg	107	357
58-90-2	2,3,4,6-Tetrachlorophenol	U	357	ug/kg	107	357
95-95-4	2,4,5-Trichlorophenol	U	357	ug/kg	107	357
88-06-2	2,4,6-Trichlorophenol	U	357	ug/kg	107	357
120-83-2	2,4-Dichlorophenol	U	357	ug/kg	107	357
105-67-9	2,4-Dimethylphenol	U	357	ug/kg	107	357
51-28-5	2,4-Dinitrophenol	U	714	ug/kg	107	714
121-14-2	2,4-Dinitrotoluene	U	357	ug/kg	107	357
606-20-2	2,6-Dinitrotoluene	U	357	ug/kg	107	357
91-58-7	2-Chloronaphthalene	U	35.7	ug/kg	10.7	35.7
95-57-8	2-Chlorophenol	U	357	ug/kg	107	357
534-52-1	2-Methyl-4,6-dinitrophenol	U	357	ug/kg	107	357
91-57-6	2-Methylnaphthalene	U	35.7	ug/kg	10.7	35.7
88-75-5	2-Nitrophenol	U	357	ug/kg	107	357
91-94-1	3,3'-Dichlorobenzidine	U	357	ug/kg	107	357
101-55-3	4-Bromophenylphenylether	U	357	ug/kg	107	357
59-50-7	4-Chloro-3-methylphenol	U	357	ug/kg	143	357
106-47-8	4-Chloroaniline	U	357	ug/kg	107	357
7005-72-3	4-Chlorophenylphenylether	U	357	ug/kg	107	357
100-02-7	4-Nitrophenol	U	357	ug/kg	107	357
83-32-9	Acenaphthene	U	35.7	ug/kg	10.7	35.7
208-96-8	Acenaphthylene	U	35.7	ug/kg	10.7	35.7
98-86-2	Acetophenone	U	357	ug/kg	107	357
120-12-7	Anthracene	U	35.7	ug/kg	10.7	35.7
1912-24-9	Atrazine	U	357	ug/kg	143	357
100-52-7	Benzaldehyde	U	357	ug/kg	107	357
56-55-3	Benzo(a)anthracene	U	35.7	ug/kg	10.7	35.7
50-32-8	Benzo(a)pyrene	U	35.7	ug/kg	10.7	35.7
205-99-2	Benzo(b)fluoranthene	U	35.7	ug/kg	10.7	35.7
191-24-2	Benzo(ghi)perylene	U	35.7	ug/kg	10.7	35.7
207-08-9	Benzo(k)fluoranthene	U	35.7	ug/kg	10.7	35.7
85-68-7	Butylbenzylphthalate	U	35.7	ug/kg	10.7	35.7
105-60-2	Caprolactam	U	357	ug/kg	107	357
86-74-8	Carbazole	U	35.7	ug/kg	10.7	35.7
218-01-9	Chrysene	U	35.7	ug/kg	10.7	35.7
84-74-2	Di-n-butylphthalate	U	35.7	ug/kg	10.7	35.7
117-84-0	Di-n-octylphthalate	U	35.7	ug/kg	10.7	35.7

**Semi-Volatile
Certificate of Analysis
Sample Summary**

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SDG Number: 455067
Lab Sample ID: 455067009

Client ID: S07
Batch ID: 1785065
Run Date: 07/25/2018 20:38
Prep Date: 07/24/2018 10:24
Data File: s072518.B\s5g2513.D

Date Collected: 07/19/2018 10:25
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD5.I
Analyst: JLD1
Aliquot: 30.28 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 7.5
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
53-70-3	Dibenzo(a,h)anthracene	U	35.7	ug/kg	10.7	35.7
132-64-9	Dibenzofuran	U	357	ug/kg	107	357
84-66-2	Diethylphthalate	U	35.7	ug/kg	10.7	35.7
131-11-3	Dimethylphthalate	U	35.7	ug/kg	10.7	35.7
122-39-4	Diphenylamine	U	357	ug/kg	107	357
206-44-0	Fluoranthene	U	35.7	ug/kg	10.7	35.7
86-73-7	Fluorene	U	35.7	ug/kg	10.7	35.7
118-74-1	Hexachlorobenzene	U	357	ug/kg	107	357
87-68-3	Hexachlorobutadiene	U	357	ug/kg	107	357
77-47-4	Hexachlorocyclopentadiene	U	357	ug/kg	107	357
67-72-1	Hexachloroethane	U	357	ug/kg	107	357
193-39-5	Indeno(1,2,3-cd)pyrene	U	35.7	ug/kg	10.7	35.7
78-59-1	Isophorone	U	357	ug/kg	107	357
621-64-7	N-Nitrosodipropylamine	U	357	ug/kg	107	357
91-20-3	Naphthalene	U	35.7	ug/kg	10.7	35.7
98-95-3	Nitrobenzene	U	357	ug/kg	107	357
87-86-5	Pentachlorophenol	U	357	ug/kg	107	357
85-01-8	Phenanthrene	U	35.7	ug/kg	10.7	35.7
108-95-2	Phenol	U	357	ug/kg	107	357
129-00-0	Pyrene	U	35.7	ug/kg	10.7	35.7
108-60-1	bis(2-Chloro-1-methylethyl)ether	U	357	ug/kg	107	357
111-91-1	bis(2-Chloroethoxy)methane	U	357	ug/kg	107	357
111-44-4	bis(2-Chloroethyl) ether	U	357	ug/kg	107	357
117-81-7	bis(2-Ethylhexyl)phthalate	U	35.7	ug/kg	10.7	35.7
65794-96-9	m,p-Cresols	U	357	ug/kg	107	357
99-09-2	m-Nitroaniline	U	357	ug/kg	107	357
95-48-7	o-Cresol	U	357	ug/kg	107	357
88-74-4	o-Nitroaniline	U	357	ug/kg	118	357
100-01-6	p-Nitroaniline	U	357	ug/kg	107	357

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Sample Summary**

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SDG Number: 455239
Lab Sample ID: 455239009

Client ID: S08
Batch ID: 1785491
Run Date: 07/25/2018 23:17
Prep Date: 07/25/2018 10:10
Data File: s072518.s\3g2521.D

Date Collected: 07/20/2018 14:50
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD3.I
Analyst: JLD1
Aliquot: 30.31 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 8.5
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
92-52-4	1,1'-Biphenyl	U	361	ug/kg	108	361
95-94-3	1,2,4,5-Tetrachlorobenzene	U	361	ug/kg	108	361
58-90-2	2,3,4,6-Tetrachlorophenol	U	361	ug/kg	108	361
95-95-4	2,4,5-Trichlorophenol	U	361	ug/kg	108	361
88-06-2	2,4,6-Trichlorophenol	U	361	ug/kg	108	361
120-83-2	2,4-Dichlorophenol	U	361	ug/kg	108	361
105-67-9	2,4-Dimethylphenol	U	361	ug/kg	108	361
51-28-5	2,4-Dinitrophenol	U	721	ug/kg	108	721
121-14-2	2,4-Dinitrotoluene	U	361	ug/kg	108	361
606-20-2	2,6-Dinitrotoluene	U	361	ug/kg	108	361
91-58-7	2-Chloronaphthalene	U	36.1	ug/kg	10.8	36.1
95-57-8	2-Chlorophenol	U	361	ug/kg	108	361
534-52-1	2-Methyl-4,6-dinitrophenol	U	361	ug/kg	108	361
91-57-6	2-Methylnaphthalene	U	36.1	ug/kg	10.8	36.1
88-75-5	2-Nitrophenol	U	361	ug/kg	108	361
91-94-1	3,3'-Dichlorobenzidine	U	361	ug/kg	108	361
101-55-3	4-Bromophenylphenylether	U	361	ug/kg	108	361
59-50-7	4-Chloro-3-methylphenol	U	361	ug/kg	144	361
106-47-8	4-Chloroaniline	U	361	ug/kg	108	361
7005-72-3	4-Chlorophenylphenylether	U	361	ug/kg	108	361
100-02-7	4-Nitrophenol	U	361	ug/kg	108	361
83-32-9	Acenaphthene	U	36.1	ug/kg	10.8	36.1
208-96-8	Acenaphthylene	U	36.1	ug/kg	10.8	36.1
98-86-2	Acetophenone	U	361	ug/kg	108	361
120-12-7	Anthracene	U	36.1	ug/kg	10.8	36.1
1912-24-9	Atrazine	U	361	ug/kg	144	361
100-52-7	Benzaldehyde	U	361	ug/kg	108	361
56-55-3	Benzo(a)anthracene	U	36.1	ug/kg	10.8	36.1
50-32-8	Benzo(a)pyrene	U	36.1	ug/kg	10.8	36.1
205-99-2	Benzo(b)fluoranthene	U	36.1	ug/kg	10.8	36.1
191-24-2	Benzo(ghi)perylene	U	36.1	ug/kg	10.8	36.1
207-08-9	Benzo(k)fluoranthene	U	36.1	ug/kg	10.8	36.1
85-68-7	Butylbenzylphthalate	U	36.1	ug/kg	10.8	36.1
105-60-2	Caprolactam	U	361	ug/kg	108	361
86-74-8	Carbazole	U	36.1	ug/kg	10.8	36.1
218-01-9	Chrysene	U	36.1	ug/kg	10.8	36.1
84-74-2	Di-n-butylphthalate	U	36.1	ug/kg	10.8	36.1
117-84-0	Di-n-octylphthalate	U	36.1	ug/kg	10.8	36.1

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Certificate of Analysis
Sample Summary**

SDG Number: 455239
Lab Sample ID: 455239009

Client ID: S08
Batch ID: 1785491
Run Date: 07/25/2018 23:17
Prep Date: 07/25/2018 10:10
Data File: s072518.s\s3g2521.D

Date Collected: 07/20/2018 14:50
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD3.I
Analyst: JLD1
Aliquot: 30.31 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 8.5
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
53-70-3	Dibenzo(a,h)anthracene	U	36.1	ug/kg	10.8	36.1
132-64-9	Dibenzofuran	U	361	ug/kg	108	361
84-66-2	Diethylphthalate	U	36.1	ug/kg	10.8	36.1
131-11-3	Dimethylphthalate	U	36.1	ug/kg	10.8	36.1
122-39-4	Diphenylamine	U	361	ug/kg	108	361
206-44-0	Fluoranthene	U	36.1	ug/kg	10.8	36.1
86-73-7	Fluorene	U	36.1	ug/kg	10.8	36.1
118-74-1	Hexachlorobenzene	U	361	ug/kg	108	361
87-68-3	Hexachlorobutadiene	U	361	ug/kg	108	361
77-47-4	Hexachlorocyclopentadiene	U	361	ug/kg	108	361
67-72-1	Hexachloroethane	U	361	ug/kg	108	361
193-39-5	Indeno(1,2,3-cd)pyrene	U	36.1	ug/kg	10.8	36.1
78-59-1	Isophorone	U	361	ug/kg	108	361
621-64-7	N-Nitrosodipropylamine	U	361	ug/kg	108	361
91-20-3	Naphthalene	U	36.1	ug/kg	10.8	36.1
98-95-3	Nitrobenzene	U	361	ug/kg	108	361
87-86-5	Pentachlorophenol	U	361	ug/kg	108	361
85-01-8	Phenanthrene	U	36.1	ug/kg	10.8	36.1
108-95-2	Phenol	U	361	ug/kg	108	361
129-00-0	Pyrene	U	36.1	ug/kg	10.8	36.1
108-60-1	bis(2-Chloro-1-methylethyl)ether	U	361	ug/kg	108	361
111-91-1	bis(2-Chloroethoxy)methane	U	361	ug/kg	108	361
111-44-4	bis(2-Chloroethyl) ether	U	361	ug/kg	108	361
117-81-7	bis(2-Ethylhexyl)phthalate	U	36.1	ug/kg	10.8	36.1
65794-96-9	m,p-Cresols	U	361	ug/kg	108	361
99-09-2	m-Nitroaniline	U	361	ug/kg	108	361
95-48-7	o-Cresol	U	361	ug/kg	108	361
88-74-4	o-Nitroaniline	U	361	ug/kg	119	361
100-01-6	p-Nitroaniline	U	361	ug/kg	108	361

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 454944
Lab Sample ID: 454944002

Client ID: S09
Batch ID: 1784536
Run Date: 07/23/2018 20:48
Prep Date: 07/23/2018 11:27
Data File: 072318.s\Ag2314.D

Date Collected: 07/18/2018 08:45
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 3541/8270D
Inst: MSDA.I
Analyst: LOF
Aliquot: 30.5 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 6.3
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
92-52-4	1,1'-Biphenyl	U	350	ug/kg	105	350
95-94-3	1,2,4,5-Tetrachlorobenzene	U	350	ug/kg	105	350
58-90-2	2,3,4,6-Tetrachlorophenol	U	350	ug/kg	105	350
95-95-4	2,4,5-Trichlorophenol	U	350	ug/kg	105	350
88-06-2	2,4,6-Trichlorophenol	U	350	ug/kg	105	350
120-83-2	2,4-Dichlorophenol	U	350	ug/kg	105	350
105-67-9	2,4-Dimethylphenol	U	350	ug/kg	105	350
51-28-5	2,4-Dinitrophenol	U	700	ug/kg	105	700
121-14-2	2,4-Dinitrotoluene	U	350	ug/kg	105	350
606-20-2	2,6-Dinitrotoluene	U	350	ug/kg	105	350
91-58-7	2-Chloronaphthalene	U	35.0	ug/kg	10.5	35.0
95-57-8	2-Chlorophenol	U	350	ug/kg	105	350
534-52-1	2-Methyl-4,6-dinitrophenol	U	350	ug/kg	105	350
91-57-6	2-Methylnaphthalene	U	35.0	ug/kg	10.5	35.0
88-75-5	2-Nitrophenol	U	350	ug/kg	105	350
91-94-1	3,3'-Dichlorobenzidine	U	350	ug/kg	105	350
101-55-3	4-Bromophenylphenylether	U	350	ug/kg	105	350
59-50-7	4-Chloro-3-methylphenol	U	350	ug/kg	140	350
106-47-8	4-Chloroaniline	U	350	ug/kg	105	350
7005-72-3	4-Chlorophenylphenylether	U	350	ug/kg	105	350
100-02-7	4-Nitrophenol	U	350	ug/kg	105	350
83-32-9	Acenaphthene	U	35.0	ug/kg	10.5	35.0
208-96-8	Acenaphthylene	U	35.0	ug/kg	10.5	35.0
98-86-2	Acetophenone	U	350	ug/kg	105	350
120-12-7	Anthracene	U	35.0	ug/kg	10.5	35.0
1912-24-9	Atrazine	U	350	ug/kg	140	350
100-52-7	Benzaldehyde	U	350	ug/kg	105	350
56-55-3	Benzo(a)anthracene	U	35.0	ug/kg	10.5	35.0
50-32-8	Benzo(a)pyrene	U	35.0	ug/kg	10.5	35.0
205-99-2	Benzo(b)fluoranthene	U	35.0	ug/kg	10.5	35.0
191-24-2	Benzo(ghi)perylene	U	35.0	ug/kg	10.5	35.0
207-08-9	Benzo(k)fluoranthene	U	35.0	ug/kg	10.5	35.0
85-68-7	Butylbenzylphthalate	U	35.0	ug/kg	10.5	35.0
105-60-2	Caprolactam	U	350	ug/kg	105	350
86-74-8	Carbazole	U	35.0	ug/kg	10.5	35.0
218-01-9	Chrysene	U	35.0	ug/kg	10.5	35.0
84-74-2	Di-n-butylphthalate	U	35.0	ug/kg	10.5	35.0
117-84-0	Di-n-octylphthalate	U	35.0	ug/kg	10.5	35.0

**Semi-Volatile
Certificate of Analysis
Sample Summary**

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SDG Number: 454944
Lab Sample ID: 454944002

Client ID: S09
Batch ID: 1784536
Run Date: 07/23/2018 20:48
Prep Date: 07/23/2018 11:27
Data File: 072318.s\Ag2314.D

Date Collected: 07/18/2018 08:45
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 3541/8270D
Inst: MSDA.I
Analyst: LOF
Aliquot: 30.5 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 6.3
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
53-70-3	Dibenzo(a,h)anthracene	U	35.0	ug/kg	10.5	35.0
132-64-9	Dibenzofuran	U	350	ug/kg	105	350
84-66-2	Diethylphthalate	U	35.0	ug/kg	10.5	35.0
131-11-3	Dimethylphthalate	U	35.0	ug/kg	10.5	35.0
122-39-4	Diphenylamine	U	350	ug/kg	105	350
206-44-0	Fluoranthene	U	35.0	ug/kg	10.5	35.0
86-73-7	Fluorene	U	35.0	ug/kg	10.5	35.0
118-74-1	Hexachlorobenzene	U	350	ug/kg	105	350
87-68-3	Hexachlorobutadiene	U	350	ug/kg	105	350
77-47-4	Hexachlorocyclopentadiene	U	350	ug/kg	105	350
67-72-1	Hexachloroethane	U	350	ug/kg	105	350
193-39-5	Indeno(1,2,3-cd)pyrene	U	35.0	ug/kg	10.5	35.0
78-59-1	Isophorone	U	350	ug/kg	105	350
621-64-7	N-Nitrosodipropylamine	U	350	ug/kg	105	350
91-20-3	Naphthalene	U	35.0	ug/kg	10.5	35.0
98-95-3	Nitrobenzene	U	350	ug/kg	105	350
87-86-5	Pentachlorophenol	U	350	ug/kg	105	350
85-01-8	Phenanthrene	U	35.0	ug/kg	10.5	35.0
108-95-2	Phenol	U	350	ug/kg	105	350
129-00-0	Pyrene	U	35.0	ug/kg	10.5	35.0
108-60-1	bis(2-Chloro-1-methylethyl)ether	U	350	ug/kg	105	350
111-91-1	bis(2-Chloroethoxy)methane	U	350	ug/kg	105	350
111-44-4	bis(2-Chloroethyl) ether	U	350	ug/kg	105	350
117-81-7	bis(2-Ethylhexyl)phthalate	U	35.0	ug/kg	10.5	35.0
65794-96-9	m,p-Cresols	U	350	ug/kg	105	350
99-09-2	m-Nitroaniline	U	350	ug/kg	105	350
95-48-7	o-Cresol	U	350	ug/kg	105	350
88-74-4	o-Nitroaniline	U	350	ug/kg	116	350
100-01-6	p-Nitroaniline	U	350	ug/kg	105	350

**Semi-Volatile
Certificate of Analysis
Sample Summary**

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SDG Number: 454944
Lab Sample ID: 454944010

Client ID: S10
Batch ID: 1784536
Run Date: 07/25/2018 01:47
Prep Date: 07/23/2018 11:27
Data File: 072418.s\Ag2417.D

Date Collected: 07/18/2018 14:20
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 3541/8270D
Inst: MSDA.I
Analyst: JLD1
Aliquot: 30.02 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 7.1
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
92-52-4	1,1'-Biphenyl	U	359	ug/kg	108	359
95-94-3	1,2,4,5-Tetrachlorobenzene	U	359	ug/kg	108	359
58-90-2	2,3,4,6-Tetrachlorophenol	U	359	ug/kg	108	359
95-95-4	2,4,5-Trichlorophenol	U	359	ug/kg	108	359
88-06-2	2,4,6-Trichlorophenol	U	359	ug/kg	108	359
120-83-2	2,4-Dichlorophenol	U	359	ug/kg	108	359
105-67-9	2,4-Dimethylphenol	U	359	ug/kg	108	359
51-28-5	2,4-Dinitrophenol	U	717	ug/kg	108	717
121-14-2	2,4-Dinitrotoluene	U	359	ug/kg	108	359
606-20-2	2,6-Dinitrotoluene	U	359	ug/kg	108	359
91-58-7	2-Chloronaphthalene	U	35.9	ug/kg	10.8	35.9
95-57-8	2-Chlorophenol	U	359	ug/kg	108	359
534-52-1	2-Methyl-4,6-dinitrophenol	U	359	ug/kg	108	359
91-57-6	2-Methylnaphthalene	U	35.9	ug/kg	10.8	35.9
88-75-5	2-Nitrophenol	U	359	ug/kg	108	359
91-94-1	3,3'-Dichlorobenzidine	U	359	ug/kg	108	359
101-55-3	4-Bromophenylphenylether	U	359	ug/kg	108	359
59-50-7	4-Chloro-3-methylphenol	U	359	ug/kg	143	359
106-47-8	4-Chloroaniline	U	359	ug/kg	108	359
7005-72-3	4-Chlorophenylphenylether	U	359	ug/kg	108	359
100-02-7	4-Nitrophenol	U	359	ug/kg	108	359
83-32-9	Acenaphthene	U	35.9	ug/kg	10.8	35.9
208-96-8	Acenaphthylene	U	35.9	ug/kg	10.8	35.9
98-86-2	Acetophenone	U	359	ug/kg	108	359
120-12-7	Anthracene	U	35.9	ug/kg	10.8	35.9
1912-24-9	Atrazine	U	359	ug/kg	143	359
100-52-7	Benzaldehyde	U	359	ug/kg	108	359
56-55-3	Benzo(a)anthracene	U	35.9	ug/kg	10.8	35.9
50-32-8	Benzo(a)pyrene	U	35.9	ug/kg	10.8	35.9
205-99-2	Benzo(b)fluoranthene	U	35.9	ug/kg	10.8	35.9
191-24-2	Benzo(ghi)perylene	U	35.9	ug/kg	10.8	35.9
207-08-9	Benzo(k)fluoranthene	U	35.9	ug/kg	10.8	35.9
85-68-7	Butylbenzylphthalate	U	35.9	ug/kg	10.8	35.9
105-60-2	Caprolactam	U	359	ug/kg	108	359
86-74-8	Carbazole	U	35.9	ug/kg	10.8	35.9
218-01-9	Chrysene	U	35.9	ug/kg	10.8	35.9
84-74-2	Di-n-butylphthalate	U	35.9	ug/kg	10.8	35.9
117-84-0	Di-n-octylphthalate	U	35.9	ug/kg	10.8	35.9

**Semi-Volatile
Certificate of Analysis
Sample Summary**

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SDG Number: 454944
Lab Sample ID: 454944010

Client ID: S10
Batch ID: 1784536
Run Date: 07/25/2018 01:47
Prep Date: 07/23/2018 11:27
Data File: 072418.s\Ag2417.D

Date Collected: 07/18/2018 14:20
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 3541/8270D
Inst: MSDA.I
Analyst: JLD1
Aliquot: 30.02 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 7.1
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
53-70-3	Dibenzo(a,h)anthracene	U	35.9	ug/kg	10.8	35.9
132-64-9	Dibenzofuran	U	359	ug/kg	108	359
84-66-2	Diethylphthalate	U	35.9	ug/kg	10.8	35.9
131-11-3	Dimethylphthalate	U	35.9	ug/kg	10.8	35.9
122-39-4	Diphenylamine	U	359	ug/kg	108	359
206-44-0	Fluoranthene	U	35.9	ug/kg	10.8	35.9
86-73-7	Fluorene	U	35.9	ug/kg	10.8	35.9
118-74-1	Hexachlorobenzene	U	359	ug/kg	108	359
87-68-3	Hexachlorobutadiene	U	359	ug/kg	108	359
77-47-4	Hexachlorocyclopentadiene	U	359	ug/kg	108	359
67-72-1	Hexachloroethane	U	359	ug/kg	108	359
193-39-5	Indeno(1,2,3-cd)pyrene	U	35.9	ug/kg	10.8	35.9
78-59-1	Isophorone	U	359	ug/kg	108	359
621-64-7	N-Nitrosodipropylamine	U	359	ug/kg	108	359
91-20-3	Naphthalene	U	35.9	ug/kg	10.8	35.9
98-95-3	Nitrobenzene	U	359	ug/kg	108	359
87-86-5	Pentachlorophenol	U	359	ug/kg	108	359
85-01-8	Phenanthrene	U	35.9	ug/kg	10.8	35.9
108-95-2	Phenol	U	359	ug/kg	108	359
129-00-0	Pyrene	U	35.9	ug/kg	10.8	35.9
108-60-1	bis(2-Chloro-1-methylethyl)ether	U	359	ug/kg	108	359
111-91-1	bis(2-Chloroethoxy)methane	U	359	ug/kg	108	359
111-44-4	bis(2-Chloroethyl) ether	U	359	ug/kg	108	359
117-81-7	bis(2-Ethylhexyl)phthalate	U	35.9	ug/kg	10.8	35.9
65794-96-9	m,p-Cresols	U	359	ug/kg	108	359
99-09-2	m-Nitroaniline	U	359	ug/kg	108	359
95-48-7	o-Cresol	U	359	ug/kg	108	359
88-74-4	o-Nitroaniline	U	359	ug/kg	118	359
100-01-6	p-Nitroaniline	U	359	ug/kg	108	359

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Certificate of Analysis
Sample Summary**

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SDG Number: 455067
Lab Sample ID: 455067008

Client ID: S11
Batch ID: 1785065
Run Date: 07/25/2018 20:08
Prep Date: 07/24/2018 10:24
Data File: s072518.B\s5g2512.D

Date Collected: 07/19/2018 10:05
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD5.I
Analyst: JLD1
Aliquot: 30.47 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 7.5
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
92-52-4	1,1'-Biphenyl	U	355	ug/kg	106	355
95-94-3	1,2,4,5-Tetrachlorobenzene	U	355	ug/kg	106	355
58-90-2	2,3,4,6-Tetrachlorophenol	U	355	ug/kg	106	355
95-95-4	2,4,5-Trichlorophenol	U	355	ug/kg	106	355
88-06-2	2,4,6-Trichlorophenol	U	355	ug/kg	106	355
120-83-2	2,4-Dichlorophenol	U	355	ug/kg	106	355
105-67-9	2,4-Dimethylphenol	U	355	ug/kg	106	355
51-28-5	2,4-Dinitrophenol	U	710	ug/kg	106	710
121-14-2	2,4-Dinitrotoluene	U	355	ug/kg	106	355
606-20-2	2,6-Dinitrotoluene	U	355	ug/kg	106	355
91-58-7	2-Chloronaphthalene	U	35.5	ug/kg	10.6	35.5
95-57-8	2-Chlorophenol	U	355	ug/kg	106	355
534-52-1	2-Methyl-4,6-dinitrophenol	U	355	ug/kg	106	355
91-57-6	2-Methylnaphthalene	U	35.5	ug/kg	10.6	35.5
88-75-5	2-Nitrophenol	U	355	ug/kg	106	355
91-94-1	3,3'-Dichlorobenzidine	U	355	ug/kg	106	355
101-55-3	4-Bromophenylphenylether	U	355	ug/kg	106	355
59-50-7	4-Chloro-3-methylphenol	U	355	ug/kg	142	355
106-47-8	4-Chloroaniline	U	355	ug/kg	106	355
7005-72-3	4-Chlorophenylphenylether	U	355	ug/kg	106	355
100-02-7	4-Nitrophenol	U	355	ug/kg	106	355
83-32-9	Acenaphthene	U	35.5	ug/kg	10.6	35.5
208-96-8	Acenaphthylene	U	35.5	ug/kg	10.6	35.5
98-86-2	Acetophenone	U	355	ug/kg	106	355
120-12-7	Anthracene	U	35.5	ug/kg	10.6	35.5
1912-24-9	Atrazine	U	355	ug/kg	142	355
100-52-7	Benzaldehyde	U	355	ug/kg	106	355
56-55-3	Benzo(a)anthracene	U	35.5	ug/kg	10.6	35.5
50-32-8	Benzo(a)pyrene	U	35.5	ug/kg	10.6	35.5
205-99-2	Benzo(b)fluoranthene	U	35.5	ug/kg	10.6	35.5
191-24-2	Benzo(ghi)perylene	U	35.5	ug/kg	10.6	35.5
207-08-9	Benzo(k)fluoranthene	U	35.5	ug/kg	10.6	35.5
85-68-7	Butylbenzylphthalate	U	35.5	ug/kg	10.6	35.5
105-60-2	Caprolactam	U	355	ug/kg	106	355
86-74-8	Carbazole	U	35.5	ug/kg	10.6	35.5
218-01-9	Chrysene	U	35.5	ug/kg	10.6	35.5
84-74-2	Di-n-butylphthalate	U	35.5	ug/kg	10.6	35.5
117-84-0	Di-n-octylphthalate	U	35.5	ug/kg	10.6	35.5

**Semi-Volatile
Certificate of Analysis
Sample Summary**

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SDG Number: 455067
Lab Sample ID: 455067008

Client ID: S11
Batch ID: 1785065
Run Date: 07/25/2018 20:08
Prep Date: 07/24/2018 10:24
Data File: s072518.B\s5g2512.D

Date Collected: 07/19/2018 10:05
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD5.I
Analyst: JLD1
Aliquot: 30.47 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 7.5
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
53-70-3	Dibenzo(a,h)anthracene	U	35.5	ug/kg	10.6	35.5
132-64-9	Dibenzofuran	U	355	ug/kg	106	355
84-66-2	Diethylphthalate	U	35.5	ug/kg	10.6	35.5
131-11-3	Dimethylphthalate	U	35.5	ug/kg	10.6	35.5
122-39-4	Diphenylamine	U	355	ug/kg	106	355
206-44-0	Fluoranthene	U	35.5	ug/kg	10.6	35.5
86-73-7	Fluorene	U	35.5	ug/kg	10.6	35.5
118-74-1	Hexachlorobenzene	U	355	ug/kg	106	355
87-68-3	Hexachlorobutadiene	U	355	ug/kg	106	355
77-47-4	Hexachlorocyclopentadiene	U	355	ug/kg	106	355
67-72-1	Hexachloroethane	U	355	ug/kg	106	355
193-39-5	Indeno(1,2,3-cd)pyrene	U	35.5	ug/kg	10.6	35.5
78-59-1	Isophorone	U	355	ug/kg	106	355
621-64-7	N-Nitrosodipropylamine	U	355	ug/kg	106	355
91-20-3	Naphthalene	U	35.5	ug/kg	10.6	35.5
98-95-3	Nitrobenzene	U	355	ug/kg	106	355
87-86-5	Pentachlorophenol	U	355	ug/kg	106	355
85-01-8	Phenanthrene	U	35.5	ug/kg	10.6	35.5
108-95-2	Phenol	U	355	ug/kg	106	355
129-00-0	Pyrene	U	35.5	ug/kg	10.6	35.5
108-60-1	bis(2-Chloro-1-methylethyl)ether	U	355	ug/kg	106	355
111-91-1	bis(2-Chloroethoxy)methane	U	355	ug/kg	106	355
111-44-4	bis(2-Chloroethyl) ether	U	355	ug/kg	106	355
117-81-7	bis(2-Ethylhexyl)phthalate	U	35.5	ug/kg	10.6	35.5
65794-96-9	m,p-Cresols	U	355	ug/kg	106	355
99-09-2	m-Nitroaniline	U	355	ug/kg	106	355
95-48-7	o-Cresol	U	355	ug/kg	106	355
88-74-4	o-Nitroaniline	U	355	ug/kg	117	355
100-01-6	p-Nitroaniline	U	355	ug/kg	106	355

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Certificate of Analysis
Sample Summary**

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SDG Number: 455239
Lab Sample ID: 455239007

Client ID: S12
Batch ID: 1785491
Run Date: 07/27/2018 18:25
Prep Date: 07/25/2018 10:10
Data File: s072718.s\3g2718.D

Date Collected: 07/20/2018 14:35
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD3.I
Analyst: JLD1
Aliquot: 30.13 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 6.4
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 5
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
92-52-4	1,1'-Biphenyl	U	1770	ug/kg	532	1770
95-94-3	1,2,4,5-Tetrachlorobenzene	U	1770	ug/kg	532	1770
58-90-2	2,3,4,6-Tetrachlorophenol	U	1770	ug/kg	532	1770
95-95-4	2,4,5-Trichlorophenol	U	1770	ug/kg	532	1770
88-06-2	2,4,6-Trichlorophenol	U	1770	ug/kg	532	1770
120-83-2	2,4-Dichlorophenol	U	1770	ug/kg	532	1770
105-67-9	2,4-Dimethylphenol	U	1770	ug/kg	532	1770
51-28-5	2,4-Dinitrophenol	U	3550	ug/kg	532	3550
121-14-2	2,4-Dinitrotoluene	U	1770	ug/kg	532	1770
606-20-2	2,6-Dinitrotoluene	U	1770	ug/kg	532	1770
91-58-7	2-Chloronaphthalene	U	177	ug/kg	53.2	177
95-57-8	2-Chlorophenol	U	1770	ug/kg	532	1770
534-52-1	2-Methyl-4,6-dinitrophenol	U	1770	ug/kg	532	1770
91-57-6	2-Methylnaphthalene	U	177	ug/kg	53.2	177
88-75-5	2-Nitrophenol	U	1770	ug/kg	532	1770
91-94-1	3,3'-Dichlorobenzidine	U	1770	ug/kg	532	1770
101-55-3	4-Bromophenylphenylether	U	1770	ug/kg	532	1770
59-50-7	4-Chloro-3-methylphenol	U	1770	ug/kg	709	1770
106-47-8	4-Chloroaniline	U	1770	ug/kg	532	1770
7005-72-3	4-Chlorophenylphenylether	U	1770	ug/kg	532	1770
100-02-7	4-Nitrophenol	U	1770	ug/kg	532	1770
83-32-9	Acenaphthene	U	177	ug/kg	53.2	177
208-96-8	Acenaphthylene	U	177	ug/kg	53.2	177
98-86-2	Acetophenone	U	1770	ug/kg	532	1770
120-12-7	Anthracene	U	177	ug/kg	53.2	177
1912-24-9	Atrazine	U	1770	ug/kg	709	1770
100-52-7	Benzaldehyde	U	1770	ug/kg	532	1770
56-55-3	Benzo(a)anthracene	U	177	ug/kg	53.2	177
50-32-8	Benzo(a)pyrene	U	177	ug/kg	53.2	177
205-99-2	Benzo(b)fluoranthene	U	177	ug/kg	53.2	177
191-24-2	Benzo(ghi)perylene	U	177	ug/kg	53.2	177
207-08-9	Benzo(k)fluoranthene	U	177	ug/kg	53.2	177
85-68-7	Butylbenzylphthalate	U	177	ug/kg	53.2	177
105-60-2	Caprolactam	U	1770	ug/kg	532	1770
86-74-8	Carbazole	U	177	ug/kg	53.2	177
218-01-9	Chrysene	U	177	ug/kg	53.2	177
84-74-2	Di-n-butylphthalate	U	177	ug/kg	53.2	177
117-84-0	Di-n-octylphthalate	U	177	ug/kg	53.2	177

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Sample Summary**

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SDG Number: 455239
Lab Sample ID: 455239007

Client ID: S12
Batch ID: 1785491
Run Date: 07/27/2018 18:25
Prep Date: 07/25/2018 10:10
Data File: s072718.s\3g2718.D

Date Collected: 07/20/2018 14:35
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD3.I
Analyst: JLD1
Aliquot: 30.13 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 6.4
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 5
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
53-70-3	Dibenzo(a,h)anthracene	U	177	ug/kg	53.2	177
132-64-9	Dibenzofuran	U	1770	ug/kg	532	1770
84-66-2	Diethylphthalate	U	177	ug/kg	53.2	177
131-11-3	Dimethylphthalate	U	177	ug/kg	53.2	177
122-39-4	Diphenylamine	U	1770	ug/kg	532	1770
206-44-0	Fluoranthene	U	177	ug/kg	53.2	177
86-73-7	Fluorene	U	177	ug/kg	53.2	177
118-74-1	Hexachlorobenzene	U	1770	ug/kg	532	1770
87-68-3	Hexachlorobutadiene	U	1770	ug/kg	532	1770
77-47-4	Hexachlorocyclopentadiene	U	1770	ug/kg	532	1770
67-72-1	Hexachloroethane	U	1770	ug/kg	532	1770
193-39-5	Indeno(1,2,3-cd)pyrene	U	177	ug/kg	53.2	177
78-59-1	Isophorone	U	1770	ug/kg	532	1770
621-64-7	N-Nitrosodipropylamine	U	1770	ug/kg	532	1770
91-20-3	Naphthalene	U	177	ug/kg	53.2	177
98-95-3	Nitrobenzene	U	1770	ug/kg	532	1770
87-86-5	Pentachlorophenol	U	1770	ug/kg	532	1770
85-01-8	Phenanthrene	U	177	ug/kg	53.2	177
108-95-2	Phenol	U	1770	ug/kg	532	1770
129-00-0	Pyrene	U	177	ug/kg	53.2	177
108-60-1	bis(2-Chloro-1-methylethyl)ether	U	1770	ug/kg	532	1770
111-91-1	bis(2-Chloroethoxy)methane	U	1770	ug/kg	532	1770
111-44-4	bis(2-Chloroethyl) ether	U	1770	ug/kg	532	1770
117-81-7	bis(2-Ethylhexyl)phthalate	U	177	ug/kg	53.2	177
65794-96-9	m,p-Cresols	U	1770	ug/kg	532	1770
99-09-2	m-Nitroaniline	U	1770	ug/kg	532	1770
95-48-7	o-Cresol	U	1770	ug/kg	532	1770
88-74-4	o-Nitroaniline	U	1770	ug/kg	585	1770
100-01-6	p-Nitroaniline	U	1770	ug/kg	532	1770

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 450565
Lab Sample ID: 450565001

Client ID: S13
Batch ID: 1766802
Run Date: 05/24/2018 03:41
Prep Date: 05/23/2018 10:22
Data File: s052318.B\s8e2326.D

Date Collected: 05/18/2018 10:00
Date Received: 05/19/2018 09:20
Client: URSC013
Method: SW846 3541/8270C SIM
Inst: MSD8.I
Analyst: JLD1
Aliquot: 30.49 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 9.6
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
90-12-0	1-Methylnaphthalene	U	3.63	ug/kg	1.20	3.63
91-58-7	2-Chloronaphthalene	U	3.63	ug/kg	1.20	3.63
91-57-6	2-Methylnaphthalene	U	3.63	ug/kg	1.20	3.63
83-32-9	Acenaphthene	U	3.63	ug/kg	1.20	3.63
208-96-8	Acenaphthylene	U	3.63	ug/kg	1.20	3.63
120-12-7	Anthracene	U	3.63	ug/kg	1.20	3.63
56-55-3	Benzo(a)anthracene	U	3.63	ug/kg	1.20	3.63
50-32-8	Benzo(a)pyrene	U	3.63	ug/kg	1.20	3.63
205-99-2	Benzo(b)fluoranthene	U	3.63	ug/kg	1.20	3.63
191-24-2	Benzo(ghi)perylene	U	3.63	ug/kg	1.20	3.63
207-08-9	Benzo(k)fluoranthene	U	3.63	ug/kg	1.20	3.63
218-01-9	Chrysene	U	3.63	ug/kg	1.20	3.63
53-70-3	Dibenzo(a,h)anthracene	U	3.63	ug/kg	1.20	3.63
206-44-0	Fluoranthene	U	3.63	ug/kg	1.20	3.63
86-73-7	Fluorene	U	3.63	ug/kg	1.20	3.63
193-39-5	Indeno(1,2,3-cd)pyrene	U	3.63	ug/kg	1.20	3.63
91-20-3	Naphthalene	U	3.63	ug/kg	1.20	3.63
85-01-8	Phenanthrene	U	3.63	ug/kg	1.20	3.63
129-00-0	Pyrene	U	3.63	ug/kg	1.20	3.63

**Semi-Volatile
Certificate of Analysis
Sample Summary**

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SDG Number: 454944
Lab Sample ID: 454944006

Client ID: S14
Batch ID: 1784536
Run Date: 07/23/2018 22:41
Prep Date: 07/23/2018 11:27
Data File: 072318.s\Ag2318.D

Date Collected: 07/18/2018 10:40
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 3541/8270D
Inst: MSDA.I
Analyst: LOF
Aliquot: 30.45 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 7.1
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
92-52-4	1,1'-Biphenyl	U	354	ug/kg	106	354
95-94-3	1,2,4,5-Tetrachlorobenzene	U	354	ug/kg	106	354
58-90-2	2,3,4,6-Tetrachlorophenol	U	354	ug/kg	106	354
95-95-4	2,4,5-Trichlorophenol	U	354	ug/kg	106	354
88-06-2	2,4,6-Trichlorophenol	U	354	ug/kg	106	354
120-83-2	2,4-Dichlorophenol	U	354	ug/kg	106	354
105-67-9	2,4-Dimethylphenol	U	354	ug/kg	106	354
51-28-5	2,4-Dinitrophenol	U	707	ug/kg	106	707
121-14-2	2,4-Dinitrotoluene	U	354	ug/kg	106	354
606-20-2	2,6-Dinitrotoluene	U	354	ug/kg	106	354
91-58-7	2-Chloronaphthalene	U	35.4	ug/kg	10.6	35.4
95-57-8	2-Chlorophenol	U	354	ug/kg	106	354
534-52-1	2-Methyl-4,6-dinitrophenol	U	354	ug/kg	106	354
91-57-6	2-Methylnaphthalene	U	35.4	ug/kg	10.6	35.4
88-75-5	2-Nitrophenol	U	354	ug/kg	106	354
91-94-1	3,3'-Dichlorobenzidine	U	354	ug/kg	106	354
101-55-3	4-Bromophenylphenylether	U	354	ug/kg	106	354
59-50-7	4-Chloro-3-methylphenol	U	354	ug/kg	141	354
106-47-8	4-Chloroaniline	U	354	ug/kg	106	354
7005-72-3	4-Chlorophenylphenylether	U	354	ug/kg	106	354
100-02-7	4-Nitrophenol	U	354	ug/kg	106	354
83-32-9	Acenaphthene	U	35.4	ug/kg	10.6	35.4
208-96-8	Acenaphthylene	U	35.4	ug/kg	10.6	35.4
98-86-2	Acetophenone	U	354	ug/kg	106	354
120-12-7	Anthracene	U	35.4	ug/kg	10.6	35.4
1912-24-9	Atrazine	U	354	ug/kg	141	354
100-52-7	Benzaldehyde	U	354	ug/kg	106	354
56-55-3	Benzo(a)anthracene	U	35.4	ug/kg	10.6	35.4
50-32-8	Benzo(a)pyrene	U	35.4	ug/kg	10.6	35.4
205-99-2	Benzo(b)fluoranthene	U	35.4	ug/kg	10.6	35.4
191-24-2	Benzo(ghi)perylene	U	35.4	ug/kg	10.6	35.4
207-08-9	Benzo(k)fluoranthene	U	35.4	ug/kg	10.6	35.4
85-68-7	Butylbenzylphthalate	U	35.4	ug/kg	10.6	35.4
105-60-2	Caprolactam	U	354	ug/kg	106	354
86-74-8	Carbazole	U	35.4	ug/kg	10.6	35.4
218-01-9	Chrysene	U	35.4	ug/kg	10.6	35.4
84-74-2	Di-n-butylphthalate	U	35.4	ug/kg	10.6	35.4
117-84-0	Di-n-octylphthalate	U	35.4	ug/kg	10.6	35.4

**Semi-Volatile
Certificate of Analysis
Sample Summary**

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SDG Number: 454944
Lab Sample ID: 454944006

Client ID: S14
Batch ID: 1784536
Run Date: 07/23/2018 22:41
Prep Date: 07/23/2018 11:27
Data File: 072318.s\Ag2318.D

Date Collected: 07/18/2018 10:40
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 3541/8270D
Inst: MSDA.I
Analyst: LOF
Aliquot: 30.45 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 7.1
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
53-70-3	Dibenzo(a,h)anthracene	U	35.4	ug/kg	10.6	35.4
132-64-9	Dibenzofuran	U	354	ug/kg	106	354
84-66-2	Diethylphthalate	U	35.4	ug/kg	10.6	35.4
131-11-3	Dimethylphthalate	U	35.4	ug/kg	10.6	35.4
122-39-4	Diphenylamine	U	354	ug/kg	106	354
206-44-0	Fluoranthene	U	35.4	ug/kg	10.6	35.4
86-73-7	Fluorene	U	35.4	ug/kg	10.6	35.4
118-74-1	Hexachlorobenzene	U	354	ug/kg	106	354
87-68-3	Hexachlorobutadiene	U	354	ug/kg	106	354
77-47-4	Hexachlorocyclopentadiene	U	354	ug/kg	106	354
67-72-1	Hexachloroethane	U	354	ug/kg	106	354
193-39-5	Indeno(1,2,3-cd)pyrene	U	35.4	ug/kg	10.6	35.4
78-59-1	Isophorone	U	354	ug/kg	106	354
621-64-7	N-Nitrosodipropylamine	U	354	ug/kg	106	354
91-20-3	Naphthalene	U	35.4	ug/kg	10.6	35.4
98-95-3	Nitrobenzene	U	354	ug/kg	106	354
87-86-5	Pentachlorophenol	U	354	ug/kg	106	354
85-01-8	Phenanthrene	U	35.4	ug/kg	10.6	35.4
108-95-2	Phenol	U	354	ug/kg	106	354
129-00-0	Pyrene	U	35.4	ug/kg	10.6	35.4
108-60-1	bis(2-Chloro-1-methylethyl)ether	U	354	ug/kg	106	354
111-91-1	bis(2-Chloroethoxy)methane	U	354	ug/kg	106	354
111-44-4	bis(2-Chloroethyl) ether	U	354	ug/kg	106	354
117-81-7	bis(2-Ethylhexyl)phthalate	U	35.4	ug/kg	10.6	35.4
65794-96-9	m,p-Cresols	U	354	ug/kg	106	354
99-09-2	m-Nitroaniline	U	354	ug/kg	106	354
95-48-7	o-Cresol	U	354	ug/kg	106	354
88-74-4	o-Nitroaniline	U	354	ug/kg	117	354
100-01-6	p-Nitroaniline	U	354	ug/kg	106	354

**Semi-Volatile
Certificate of Analysis
Sample Summary**

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SDG Number: 454944
Lab Sample ID: 454944007

Client ID: S15
Batch ID: 1784536
Run Date: 07/23/2018 23:09
Prep Date: 07/23/2018 11:27
Data File: 072318.s\Ag2319.D

Date Collected: 07/18/2018 13:35
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 3541/8270D
Inst: MSDA.I
Analyst: LOF
Aliquot: 30.08 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 7.6
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
92-52-4	1,1'-Biphenyl	U	360	ug/kg	108	360
95-94-3	1,2,4,5-Tetrachlorobenzene	U	360	ug/kg	108	360
58-90-2	2,3,4,6-Tetrachlorophenol	U	360	ug/kg	108	360
95-95-4	2,4,5-Trichlorophenol	U	360	ug/kg	108	360
88-06-2	2,4,6-Trichlorophenol	U	360	ug/kg	108	360
120-83-2	2,4-Dichlorophenol	U	360	ug/kg	108	360
105-67-9	2,4-Dimethylphenol	U	360	ug/kg	108	360
51-28-5	2,4-Dinitrophenol	U	720	ug/kg	108	720
121-14-2	2,4-Dinitrotoluene	U	360	ug/kg	108	360
606-20-2	2,6-Dinitrotoluene	U	360	ug/kg	108	360
91-58-7	2-Chloronaphthalene	U	36.0	ug/kg	10.8	36.0
95-57-8	2-Chlorophenol	U	360	ug/kg	108	360
534-52-1	2-Methyl-4,6-dinitrophenol	U	360	ug/kg	108	360
91-57-6	2-Methylnaphthalene	U	36.0	ug/kg	10.8	36.0
88-75-5	2-Nitrophenol	U	360	ug/kg	108	360
91-94-1	3,3'-Dichlorobenzidine	U	360	ug/kg	108	360
101-55-3	4-Bromophenylphenylether	U	360	ug/kg	108	360
59-50-7	4-Chloro-3-methylphenol	U	360	ug/kg	144	360
106-47-8	4-Chloroaniline	U	360	ug/kg	108	360
7005-72-3	4-Chlorophenylphenylether	U	360	ug/kg	108	360
100-02-7	4-Nitrophenol	U	360	ug/kg	108	360
83-32-9	Acenaphthene	U	36.0	ug/kg	10.8	36.0
208-96-8	Acenaphthylene	U	36.0	ug/kg	10.8	36.0
98-86-2	Acetophenone	U	360	ug/kg	108	360
120-12-7	Anthracene	U	36.0	ug/kg	10.8	36.0
1912-24-9	Atrazine	U	360	ug/kg	144	360
100-52-7	Benzaldehyde	U	360	ug/kg	108	360
56-55-3	Benzo(a)anthracene	U	36.0	ug/kg	10.8	36.0
50-32-8	Benzo(a)pyrene	U	36.0	ug/kg	10.8	36.0
205-99-2	Benzo(b)fluoranthene	U	36.0	ug/kg	10.8	36.0
191-24-2	Benzo(ghi)perylene	U	36.0	ug/kg	10.8	36.0
207-08-9	Benzo(k)fluoranthene	U	36.0	ug/kg	10.8	36.0
85-68-7	Butylbenzylphthalate	U	36.0	ug/kg	10.8	36.0
105-60-2	Caprolactam	U	360	ug/kg	108	360
86-74-8	Carbazole	U	36.0	ug/kg	10.8	36.0
218-01-9	Chrysene	U	36.0	ug/kg	10.8	36.0
84-74-2	Di-n-butylphthalate	U	36.0	ug/kg	10.8	36.0
117-84-0	Di-n-octylphthalate	U	36.0	ug/kg	10.8	36.0

**Semi-Volatile
Certificate of Analysis
Sample Summary**

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SDG Number: 454944
Lab Sample ID: 454944007

Client ID: S15
Batch ID: 1784536
Run Date: 07/23/2018 23:09
Prep Date: 07/23/2018 11:27
Data File: 072318.s\Ag2319.D

Date Collected: 07/18/2018 13:35
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 3541/8270D
Inst: MSDA.I
Analyst: LOF
Aliquot: 30.08 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 7.6
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
53-70-3	Dibenzo(a,h)anthracene	U	36.0	ug/kg	10.8	36.0
132-64-9	Dibenzofuran	U	360	ug/kg	108	360
84-66-2	Diethylphthalate	U	36.0	ug/kg	10.8	36.0
131-11-3	Dimethylphthalate	U	36.0	ug/kg	10.8	36.0
122-39-4	Diphenylamine	U	360	ug/kg	108	360
206-44-0	Fluoranthene	U	36.0	ug/kg	10.8	36.0
86-73-7	Fluorene	U	36.0	ug/kg	10.8	36.0
118-74-1	Hexachlorobenzene	U	360	ug/kg	108	360
87-68-3	Hexachlorobutadiene	U	360	ug/kg	108	360
77-47-4	Hexachlorocyclopentadiene	U	360	ug/kg	108	360
67-72-1	Hexachloroethane	U	360	ug/kg	108	360
193-39-5	Indeno(1,2,3-cd)pyrene	U	36.0	ug/kg	10.8	36.0
78-59-1	Isophorone	U	360	ug/kg	108	360
621-64-7	N-Nitrosodipropylamine	U	360	ug/kg	108	360
91-20-3	Naphthalene	U	36.0	ug/kg	10.8	36.0
98-95-3	Nitrobenzene	U	360	ug/kg	108	360
87-86-5	Pentachlorophenol	U	360	ug/kg	108	360
85-01-8	Phenanthrene	U	36.0	ug/kg	10.8	36.0
108-95-2	Phenol	U	360	ug/kg	108	360
129-00-0	Pyrene	U	36.0	ug/kg	10.8	36.0
108-60-1	bis(2-Chloro-1-methylethyl)ether	U	360	ug/kg	108	360
111-91-1	bis(2-Chloroethoxy)methane	U	360	ug/kg	108	360
111-44-4	bis(2-Chloroethyl) ether	U	360	ug/kg	108	360
117-81-7	bis(2-Ethylhexyl)phthalate	U	36.0	ug/kg	10.8	36.0
65794-96-9	m,p-Cresols	U	360	ug/kg	108	360
99-09-2	m-Nitroaniline	U	360	ug/kg	108	360
95-48-7	o-Cresol	U	360	ug/kg	108	360
88-74-4	o-Nitroaniline	U	360	ug/kg	119	360
100-01-6	p-Nitroaniline	U	360	ug/kg	108	360

**Semi-Volatile
Certificate of Analysis
Sample Summary**

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SDG Number: 455067
Lab Sample ID: 455067015

Client ID: S16
Batch ID: 1785065
Run Date: 07/25/2018 23:39
Prep Date: 07/24/2018 10:24
Data File: s072518.B\s5g2519.D

Date Collected: 07/19/2018 13:35
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD5.I
Analyst: JLD1
Aliquot: 30.45 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 7.5
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
92-52-4	1,1'-Biphenyl	U	355	ug/kg	106	355
95-94-3	1,2,4,5-Tetrachlorobenzene	U	355	ug/kg	106	355
58-90-2	2,3,4,6-Tetrachlorophenol	U	355	ug/kg	106	355
95-95-4	2,4,5-Trichlorophenol	U	355	ug/kg	106	355
88-06-2	2,4,6-Trichlorophenol	U	355	ug/kg	106	355
120-83-2	2,4-Dichlorophenol	U	355	ug/kg	106	355
105-67-9	2,4-Dimethylphenol	U	355	ug/kg	106	355
51-28-5	2,4-Dinitrophenol	U	710	ug/kg	106	710
121-14-2	2,4-Dinitrotoluene	U	355	ug/kg	106	355
606-20-2	2,6-Dinitrotoluene	U	355	ug/kg	106	355
91-58-7	2-Chloronaphthalene	U	35.5	ug/kg	10.6	35.5
95-57-8	2-Chlorophenol	U	355	ug/kg	106	355
534-52-1	2-Methyl-4,6-dinitrophenol	U	355	ug/kg	106	355
91-57-6	2-Methylnaphthalene	U	35.5	ug/kg	10.6	35.5
88-75-5	2-Nitrophenol	U	355	ug/kg	106	355
91-94-1	3,3'-Dichlorobenzidine	U	355	ug/kg	106	355
101-55-3	4-Bromophenylphenylether	U	355	ug/kg	106	355
59-50-7	4-Chloro-3-methylphenol	U	355	ug/kg	142	355
106-47-8	4-Chloroaniline	U	355	ug/kg	106	355
7005-72-3	4-Chlorophenylphenylether	U	355	ug/kg	106	355
100-02-7	4-Nitrophenol	U	355	ug/kg	106	355
83-32-9	Acenaphthene	U	35.5	ug/kg	10.6	35.5
208-96-8	Acenaphthylene	U	35.5	ug/kg	10.6	35.5
98-86-2	Acetophenone	U	355	ug/kg	106	355
120-12-7	Anthracene	U	35.5	ug/kg	10.6	35.5
1912-24-9	Atrazine	U	355	ug/kg	142	355
100-52-7	Benzaldehyde	U	355	ug/kg	106	355
56-55-3	Benzo(a)anthracene	U	35.5	ug/kg	10.6	35.5
50-32-8	Benzo(a)pyrene	U	35.5	ug/kg	10.6	35.5
205-99-2	Benzo(b)fluoranthene	U	35.5	ug/kg	10.6	35.5
191-24-2	Benzo(ghi)perylene	U	35.5	ug/kg	10.6	35.5
207-08-9	Benzo(k)fluoranthene	U	35.5	ug/kg	10.6	35.5
85-68-7	Butylbenzylphthalate	U	35.5	ug/kg	10.6	35.5
105-60-2	Caprolactam	U	355	ug/kg	106	355
86-74-8	Carbazole	U	35.5	ug/kg	10.6	35.5
218-01-9	Chrysene	U	35.5	ug/kg	10.6	35.5
84-74-2	Di-n-butylphthalate	U	35.5	ug/kg	10.6	35.5
117-84-0	Di-n-octylphthalate	U	35.5	ug/kg	10.6	35.5

**Semi-Volatile
Certificate of Analysis
Sample Summary**

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SDG Number: 455067
Lab Sample ID: 455067015

Client ID: S16
Batch ID: 1785065
Run Date: 07/25/2018 23:39
Prep Date: 07/24/2018 10:24
Data File: s072518.B\s5g2519.D

Date Collected: 07/19/2018 13:35
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD5.I
Analyst: JLD1
Aliquot: 30.45 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 7.5
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
53-70-3	Dibenzo(a,h)anthracene	U	35.5	ug/kg	10.6	35.5
132-64-9	Dibenzofuran	U	355	ug/kg	106	355
84-66-2	Diethylphthalate	U	35.5	ug/kg	10.6	35.5
131-11-3	Dimethylphthalate	U	35.5	ug/kg	10.6	35.5
122-39-4	Diphenylamine	U	355	ug/kg	106	355
206-44-0	Fluoranthene	U	35.5	ug/kg	10.6	35.5
86-73-7	Fluorene	U	35.5	ug/kg	10.6	35.5
118-74-1	Hexachlorobenzene	U	355	ug/kg	106	355
87-68-3	Hexachlorobutadiene	U	355	ug/kg	106	355
77-47-4	Hexachlorocyclopentadiene	U	355	ug/kg	106	355
67-72-1	Hexachloroethane	U	355	ug/kg	106	355
193-39-5	Indeno(1,2,3-cd)pyrene	U	35.5	ug/kg	10.6	35.5
78-59-1	Isophorone	U	355	ug/kg	106	355
621-64-7	N-Nitrosodipropylamine	U	355	ug/kg	106	355
91-20-3	Naphthalene	U	35.5	ug/kg	10.6	35.5
98-95-3	Nitrobenzene	U	355	ug/kg	106	355
87-86-5	Pentachlorophenol	U	355	ug/kg	106	355
85-01-8	Phenanthrene	U	35.5	ug/kg	10.6	35.5
108-95-2	Phenol	U	355	ug/kg	106	355
129-00-0	Pyrene	U	35.5	ug/kg	10.6	35.5
108-60-1	bis(2-Chloro-1-methylethyl)ether	U	355	ug/kg	106	355
111-91-1	bis(2-Chloroethoxy)methane	U	355	ug/kg	106	355
111-44-4	bis(2-Chloroethyl) ether	U	355	ug/kg	106	355
117-81-7	bis(2-Ethylhexyl)phthalate	U	35.5	ug/kg	10.6	35.5
65794-96-9	m,p-Cresols	U	355	ug/kg	106	355
99-09-2	m-Nitroaniline	U	355	ug/kg	106	355
95-48-7	o-Cresol	U	355	ug/kg	106	355
88-74-4	o-Nitroaniline	U	355	ug/kg	117	355
100-01-6	p-Nitroaniline	U	355	ug/kg	106	355

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SDG Number: 454944
Lab Sample ID: 454944008

Client ID: S19
Batch ID: 1784536
Run Date: 07/23/2018 23:37
Prep Date: 07/23/2018 11:27
Data File: 072318.s\Ag2320.D

Date Collected: 07/18/2018 13:50
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 3541/8270D
Inst: MSDA.I
Analyst: LOF
Aliquot: 30.13 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 8.6
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
92-52-4	1,1'-Biphenyl	U	363	ug/kg	109	363
95-94-3	1,2,4,5-Tetrachlorobenzene	U	363	ug/kg	109	363
58-90-2	2,3,4,6-Tetrachlorophenol	U	363	ug/kg	109	363
95-95-4	2,4,5-Trichlorophenol	U	363	ug/kg	109	363
88-06-2	2,4,6-Trichlorophenol	U	363	ug/kg	109	363
120-83-2	2,4-Dichlorophenol	U	363	ug/kg	109	363
105-67-9	2,4-Dimethylphenol	U	363	ug/kg	109	363
51-28-5	2,4-Dinitrophenol	U	727	ug/kg	109	727
121-14-2	2,4-Dinitrotoluene	U	363	ug/kg	109	363
606-20-2	2,6-Dinitrotoluene	U	363	ug/kg	109	363
91-58-7	2-Chloronaphthalene	U	36.3	ug/kg	10.9	36.3
95-57-8	2-Chlorophenol	U	363	ug/kg	109	363
534-52-1	2-Methyl-4,6-dinitrophenol	U	363	ug/kg	109	363
91-57-6	2-Methylnaphthalene	U	36.3	ug/kg	10.9	36.3
88-75-5	2-Nitrophenol	U	363	ug/kg	109	363
91-94-1	3,3'-Dichlorobenzidine	U	363	ug/kg	109	363
101-55-3	4-Bromophenylphenylether	U	363	ug/kg	109	363
59-50-7	4-Chloro-3-methylphenol	U	363	ug/kg	145	363
106-47-8	4-Chloroaniline	U	363	ug/kg	109	363
7005-72-3	4-Chlorophenylphenylether	U	363	ug/kg	109	363
100-02-7	4-Nitrophenol	U	363	ug/kg	109	363
83-32-9	Acenaphthene	U	36.3	ug/kg	10.9	36.3
208-96-8	Acenaphthylene	U	36.3	ug/kg	10.9	36.3
98-86-2	Acetophenone	U	363	ug/kg	109	363
120-12-7	Anthracene	U	36.3	ug/kg	10.9	36.3
1912-24-9	Atrazine	U	363	ug/kg	145	363
100-52-7	Benzaldehyde	U	363	ug/kg	109	363
56-55-3	Benzo(a)anthracene	U	36.3	ug/kg	10.9	36.3
50-32-8	Benzo(a)pyrene	U	36.3	ug/kg	10.9	36.3
205-99-2	Benzo(b)fluoranthene	U	36.3	ug/kg	10.9	36.3
191-24-2	Benzo(ghi)perylene	U	36.3	ug/kg	10.9	36.3
207-08-9	Benzo(k)fluoranthene	U	36.3	ug/kg	10.9	36.3
85-68-7	Butylbenzylphthalate	U	36.3	ug/kg	10.9	36.3
105-60-2	Caprolactam	U	363	ug/kg	109	363
86-74-8	Carbazole	U	36.3	ug/kg	10.9	36.3
218-01-9	Chrysene	U	36.3	ug/kg	10.9	36.3
84-74-2	Di-n-butylphthalate	U	36.3	ug/kg	10.9	36.3
117-84-0	Di-n-octylphthalate	U	36.3	ug/kg	10.9	36.3

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SDG Number: 454944
Lab Sample ID: 454944008

Client ID: S19
Batch ID: 1784536
Run Date: 07/23/2018 23:37
Prep Date: 07/23/2018 11:27
Data File: 072318.s\Ag2320.D

Date Collected: 07/18/2018 13:50
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 3541/8270D
Inst: MSDA.I
Analyst: LOF
Aliquot: 30.13 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 8.6
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
53-70-3	Dibenzo(a,h)anthracene	U	36.3	ug/kg	10.9	36.3
132-64-9	Dibenzofuran	U	363	ug/kg	109	363
84-66-2	Diethylphthalate	U	36.3	ug/kg	10.9	36.3
131-11-3	Dimethylphthalate	U	36.3	ug/kg	10.9	36.3
122-39-4	Diphenylamine	U	363	ug/kg	109	363
206-44-0	Fluoranthene	J	14.2	ug/kg	10.9	36.3
86-73-7	Fluorene	U	36.3	ug/kg	10.9	36.3
118-74-1	Hexachlorobenzene	U	363	ug/kg	109	363
87-68-3	Hexachlorobutadiene	U	363	ug/kg	109	363
77-47-4	Hexachlorocyclopentadiene	U	363	ug/kg	109	363
67-72-1	Hexachloroethane	U	363	ug/kg	109	363
193-39-5	Indeno(1,2,3-cd)pyrene	U	36.3	ug/kg	10.9	36.3
78-59-1	Isophorone	U	363	ug/kg	109	363
621-64-7	N-Nitrosodipropylamine	U	363	ug/kg	109	363
91-20-3	Naphthalene	U	36.3	ug/kg	10.9	36.3
98-95-3	Nitrobenzene	U	363	ug/kg	109	363
87-86-5	Pentachlorophenol	U	363	ug/kg	109	363
85-01-8	Phenanthrene	J	14.5	ug/kg	10.9	36.3
108-95-2	Phenol	U	363	ug/kg	109	363
129-00-0	Pyrene	U	36.3	ug/kg	10.9	36.3
108-60-1	bis(2-Chloro-1-methylethyl)ether	U	363	ug/kg	109	363
111-91-1	bis(2-Chloroethoxy)methane	U	363	ug/kg	109	363
111-44-4	bis(2-Chloroethyl) ether	U	363	ug/kg	109	363
117-81-7	bis(2-Ethylhexyl)phthalate	U	36.3	ug/kg	10.9	36.3
65794-96-9	m,p-Cresols	U	363	ug/kg	109	363
99-09-2	m-Nitroaniline	U	363	ug/kg	109	363
95-48-7	o-Cresol	U	363	ug/kg	109	363
88-74-4	o-Nitroaniline	U	363	ug/kg	120	363
100-01-6	p-Nitroaniline	U	363	ug/kg	109	363

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Sample Summary**

SDG Number: 450565
Lab Sample ID: 450565002
Client ID: SHS01
Batch ID: 1766802
Run Date: 05/24/2018 05:16
Prep Date: 05/23/2018 10:22
Data File: s052318.B\s8e2329.D

Date Collected: 05/18/2018 10:05
Date Received: 05/19/2018 09:20
Client: URSC013
Method: SW846 3541/8270C SIM
Inst: MSD8.I
Analyst: JLD1
Aliquot: 30.46 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 20.6
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
90-12-0	1-Methylnaphthalene	U	4.14	ug/kg	1.36	4.14
91-58-7	2-Chloronaphthalene	U	4.14	ug/kg	1.36	4.14
91-57-6	2-Methylnaphthalene	U	4.14	ug/kg	1.36	4.14
83-32-9	Acenaphthene	U	4.14	ug/kg	1.36	4.14
208-96-8	Acenaphthylene	U	4.14	ug/kg	1.36	4.14
120-12-7	Anthracene	U	4.14	ug/kg	1.36	4.14
56-55-3	Benzo(a)anthracene	U	4.14	ug/kg	1.36	4.14
50-32-8	Benzo(a)pyrene	U	4.14	ug/kg	1.36	4.14
205-99-2	Benzo(b)fluoranthene	J	2.48	ug/kg	1.36	4.14
191-24-2	Benzo(ghi)perylene	U	4.14	ug/kg	1.36	4.14
207-08-9	Benzo(k)fluoranthene	U	4.14	ug/kg	1.36	4.14
218-01-9	Chrysene	U	4.14	ug/kg	1.36	4.14
53-70-3	Dibenzo(a,h)anthracene	U	4.14	ug/kg	1.36	4.14
206-44-0	Fluoranthene	U	4.14	ug/kg	1.36	4.14
86-73-7	Fluorene	U	4.14	ug/kg	1.36	4.14
193-39-5	Indeno(1,2,3-cd)pyrene	U	4.14	ug/kg	1.36	4.14
91-20-3	Naphthalene	U	4.14	ug/kg	1.36	4.14
85-01-8	Phenanthrene	U	4.14	ug/kg	1.36	4.14
129-00-0	Pyrene	U	4.14	ug/kg	1.36	4.14

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SDG Number: 454715
Lab Sample ID: 454715001

Client ID: SW01
Batch ID: 1783053
Run Date: 07/18/2018 22:22
Prep Date: 07/18/2018 10:12
Data File: s071818a.B\s5g1825.D

Date Collected: 07/16/2018 14:05
Date Received: 07/17/2018 08:55
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD5.I
Analyst: JLD1
Aliquot: 30.14 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 7.6
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
92-52-4	1,1'-Biphenyl	U	359	ug/kg	108	359
95-94-3	1,2,4,5-Tetrachlorobenzene	U	359	ug/kg	108	359
58-90-2	2,3,4,6-Tetrachlorophenol	U	359	ug/kg	108	359
95-95-4	2,4,5-Trichlorophenol	U	359	ug/kg	108	359
88-06-2	2,4,6-Trichlorophenol	U	359	ug/kg	108	359
120-83-2	2,4-Dichlorophenol	U	359	ug/kg	108	359
105-67-9	2,4-Dimethylphenol	U	359	ug/kg	108	359
51-28-5	2,4-Dinitrophenol	U	718	ug/kg	108	718
121-14-2	2,4-Dinitrotoluene	U	359	ug/kg	108	359
606-20-2	2,6-Dinitrotoluene	U	359	ug/kg	108	359
91-58-7	2-Chloronaphthalene	U	35.9	ug/kg	10.8	35.9
95-57-8	2-Chlorophenol	U	359	ug/kg	108	359
534-52-1	2-Methyl-4,6-dinitrophenol	U	359	ug/kg	108	359
91-57-6	2-Methylnaphthalene	U	35.9	ug/kg	10.8	35.9
88-75-5	2-Nitrophenol	U	359	ug/kg	108	359
91-94-1	3,3'-Dichlorobenzidine	U	359	ug/kg	108	359
101-55-3	4-Bromophenylphenylether	U	359	ug/kg	108	359
59-50-7	4-Chloro-3-methylphenol	U	359	ug/kg	144	359
106-47-8	4-Chloroaniline	U	359	ug/kg	108	359
7005-72-3	4-Chlorophenylphenylether	U	359	ug/kg	108	359
100-02-7	4-Nitrophenol	U	359	ug/kg	108	359
83-32-9	Acenaphthene	U	35.9	ug/kg	10.8	35.9
208-96-8	Acenaphthylene	U	35.9	ug/kg	10.8	35.9
98-86-2	Acetophenone	U	359	ug/kg	108	359
120-12-7	Anthracene	U	35.9	ug/kg	10.8	35.9
1912-24-9	Atrazine	U	359	ug/kg	144	359
100-52-7	Benzaldehyde	U	359	ug/kg	108	359
56-55-3	Benzo(a)anthracene	U	35.9	ug/kg	10.8	35.9
50-32-8	Benzo(a)pyrene	U	35.9	ug/kg	10.8	35.9
205-99-2	Benzo(b)fluoranthene	U	35.9	ug/kg	10.8	35.9
191-24-2	Benzo(ghi)perylene	U	35.9	ug/kg	10.8	35.9
207-08-9	Benzo(k)fluoranthene	U	35.9	ug/kg	10.8	35.9
85-68-7	Butylbenzylphthalate	U	35.9	ug/kg	10.8	35.9
105-60-2	Caprolactam	U	359	ug/kg	108	359
86-74-8	Carbazole	U	35.9	ug/kg	10.8	35.9
218-01-9	Chrysene	U	35.9	ug/kg	10.8	35.9
84-74-2	Di-n-butylphthalate	U	35.9	ug/kg	10.8	35.9
117-84-0	Di-n-octylphthalate	U	35.9	ug/kg	10.8	35.9

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SDG Number: 454715
Lab Sample ID: 454715001

Client ID: SW01
Batch ID: 1783053
Run Date: 07/18/2018 22:22
Prep Date: 07/18/2018 10:12
Data File: s071818a.B\s5g1825.D

Date Collected: 07/16/2018 14:05
Date Received: 07/17/2018 08:55
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD5.I
Analyst: JLD1
Aliquot: 30.14 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 7.6
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
53-70-3	Dibenzo(a,h)anthracene	U	35.9	ug/kg	10.8	35.9
132-64-9	Dibenzofuran	U	359	ug/kg	108	359
84-66-2	Diethylphthalate	U	35.9	ug/kg	10.8	35.9
131-11-3	Dimethylphthalate	U	35.9	ug/kg	10.8	35.9
122-39-4	Diphenylamine	U	359	ug/kg	108	359
206-44-0	Fluoranthene	U	35.9	ug/kg	10.8	35.9
86-73-7	Fluorene	U	35.9	ug/kg	10.8	35.9
118-74-1	Hexachlorobenzene	U	359	ug/kg	108	359
87-68-3	Hexachlorobutadiene	U	359	ug/kg	108	359
77-47-4	Hexachlorocyclopentadiene	U	359	ug/kg	108	359
67-72-1	Hexachloroethane	U	359	ug/kg	108	359
193-39-5	Indeno(1,2,3-cd)pyrene	U	35.9	ug/kg	10.8	35.9
78-59-1	Isophorone	U	359	ug/kg	108	359
621-64-7	N-Nitrosodipropylamine	U	359	ug/kg	108	359
91-20-3	Naphthalene	U	35.9	ug/kg	10.8	35.9
98-95-3	Nitrobenzene	U	359	ug/kg	108	359
87-86-5	Pentachlorophenol	U	359	ug/kg	108	359
85-01-8	Phenanthrene	U	35.9	ug/kg	10.8	35.9
108-95-2	Phenol	U	359	ug/kg	108	359
129-00-0	Pyrene	U	35.9	ug/kg	10.8	35.9
108-60-1	bis(2-Chloro-1-methylethyl)ether	U	359	ug/kg	108	359
111-91-1	bis(2-Chloroethoxy)methane	U	359	ug/kg	108	359
111-44-4	bis(2-Chloroethyl) ether	U	359	ug/kg	108	359
117-81-7	bis(2-Ethylhexyl)phthalate	U	35.9	ug/kg	10.8	35.9
65794-96-9	m,p-Cresols	U	359	ug/kg	108	359
99-09-2	m-Nitroaniline	U	359	ug/kg	108	359
95-48-7	o-Cresol	U	359	ug/kg	108	359
88-74-4	o-Nitroaniline	U	359	ug/kg	118	359
100-01-6	p-Nitroaniline	U	359	ug/kg	108	359

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Sample Summary**

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SDG Number: 454715
Lab Sample ID: 454715002

Client ID: SW02
Batch ID: 1783053
Run Date: 07/18/2018 22:52
Prep Date: 07/18/2018 10:12
Data File: s071818a.B\s5g1826.D

Date Collected: 07/16/2018 14:25
Date Received: 07/17/2018 08:55
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD5.I
Analyst: JLD1
Aliquot: 30.5 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 7.3
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
92-52-4	1,1'-Biphenyl	U	354	ug/kg	106	354
95-94-3	1,2,4,5-Tetrachlorobenzene	U	354	ug/kg	106	354
58-90-2	2,3,4,6-Tetrachlorophenol	U	354	ug/kg	106	354
95-95-4	2,4,5-Trichlorophenol	U	354	ug/kg	106	354
88-06-2	2,4,6-Trichlorophenol	U	354	ug/kg	106	354
120-83-2	2,4-Dichlorophenol	U	354	ug/kg	106	354
105-67-9	2,4-Dimethylphenol	U	354	ug/kg	106	354
51-28-5	2,4-Dinitrophenol	U	707	ug/kg	106	707
121-14-2	2,4-Dinitrotoluene	U	354	ug/kg	106	354
606-20-2	2,6-Dinitrotoluene	U	354	ug/kg	106	354
91-58-7	2-Chloronaphthalene	U	35.4	ug/kg	10.6	35.4
95-57-8	2-Chlorophenol	U	354	ug/kg	106	354
534-52-1	2-Methyl-4,6-dinitrophenol	U	354	ug/kg	106	354
91-57-6	2-Methylnaphthalene	U	35.4	ug/kg	10.6	35.4
88-75-5	2-Nitrophenol	U	354	ug/kg	106	354
91-94-1	3,3'-Dichlorobenzidine	U	354	ug/kg	106	354
101-55-3	4-Bromophenylphenylether	U	354	ug/kg	106	354
59-50-7	4-Chloro-3-methylphenol	U	354	ug/kg	141	354
106-47-8	4-Chloroaniline	U	354	ug/kg	106	354
7005-72-3	4-Chlorophenylphenylether	U	354	ug/kg	106	354
100-02-7	4-Nitrophenol	U	354	ug/kg	106	354
83-32-9	Acenaphthene	U	35.4	ug/kg	10.6	35.4
208-96-8	Acenaphthylene	U	35.4	ug/kg	10.6	35.4
98-86-2	Acetophenone	U	354	ug/kg	106	354
120-12-7	Anthracene	U	35.4	ug/kg	10.6	35.4
1912-24-9	Atrazine	U	354	ug/kg	141	354
100-52-7	Benzaldehyde	U	354	ug/kg	106	354
56-55-3	Benzo(a)anthracene	U	35.4	ug/kg	10.6	35.4
50-32-8	Benzo(a)pyrene	U	35.4	ug/kg	10.6	35.4
205-99-2	Benzo(b)fluoranthene	U	35.4	ug/kg	10.6	35.4
191-24-2	Benzo(ghi)perylene	U	35.4	ug/kg	10.6	35.4
207-08-9	Benzo(k)fluoranthene	U	35.4	ug/kg	10.6	35.4
85-68-7	Butylbenzylphthalate	U	35.4	ug/kg	10.6	35.4
105-60-2	Caprolactam	U	354	ug/kg	106	354
86-74-8	Carbazole	U	35.4	ug/kg	10.6	35.4
218-01-9	Chrysene	U	35.4	ug/kg	10.6	35.4
84-74-2	Di-n-butylphthalate	U	35.4	ug/kg	10.6	35.4
117-84-0	Di-n-octylphthalate	U	35.4	ug/kg	10.6	35.4

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Sample Summary**

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SDG Number: 454715
Lab Sample ID: 454715002
Client ID: SW02
Batch ID: 1783053
Run Date: 07/18/2018 22:52
Prep Date: 07/18/2018 10:12
Data File: s071818a.B\s5g1826.D

Date Collected: 07/16/2018 14:25
Date Received: 07/17/2018 08:55
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD5.I
Analyst: JLD1
Aliquot: 30.5 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 7.3
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
53-70-3	Dibenzo(a,h)anthracene	U	35.4	ug/kg	10.6	35.4
132-64-9	Dibenzofuran	U	354	ug/kg	106	354
84-66-2	Diethylphthalate	U	35.4	ug/kg	10.6	35.4
131-11-3	Dimethylphthalate	U	35.4	ug/kg	10.6	35.4
122-39-4	Diphenylamine	U	354	ug/kg	106	354
206-44-0	Fluoranthene	U	35.4	ug/kg	10.6	35.4
86-73-7	Fluorene	U	35.4	ug/kg	10.6	35.4
118-74-1	Hexachlorobenzene	U	354	ug/kg	106	354
87-68-3	Hexachlorobutadiene	U	354	ug/kg	106	354
77-47-4	Hexachlorocyclopentadiene	U	354	ug/kg	106	354
67-72-1	Hexachloroethane	U	354	ug/kg	106	354
193-39-5	Indeno(1,2,3-cd)pyrene	U	35.4	ug/kg	10.6	35.4
78-59-1	Isophorone	U	354	ug/kg	106	354
621-64-7	N-Nitrosodipropylamine	U	354	ug/kg	106	354
91-20-3	Naphthalene	U	35.4	ug/kg	10.6	35.4
98-95-3	Nitrobenzene	U	354	ug/kg	106	354
87-86-5	Pentachlorophenol	U	354	ug/kg	106	354
85-01-8	Phenanthrene	U	35.4	ug/kg	10.6	35.4
108-95-2	Phenol	U	354	ug/kg	106	354
129-00-0	Pyrene	U	35.4	ug/kg	10.6	35.4
108-60-1	bis(2-Chloro-1-methylethyl)ether	U	354	ug/kg	106	354
111-91-1	bis(2-Chloroethoxy)methane	U	354	ug/kg	106	354
111-44-4	bis(2-Chloroethyl) ether	U	354	ug/kg	106	354
117-81-7	bis(2-Ethylhexyl)phthalate	U	35.4	ug/kg	10.6	35.4
65794-96-9	m,p-Cresols	U	354	ug/kg	106	354
99-09-2	m-Nitroaniline	U	354	ug/kg	106	354
95-48-7	o-Cresol	U	354	ug/kg	106	354
88-74-4	o-Nitroaniline	U	354	ug/kg	117	354
100-01-6	p-Nitroaniline	U	354	ug/kg	106	354

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SDG Number: 454715
Lab Sample ID: 454715003

Client ID: SW03
Batch ID: 1783053
Run Date: 07/20/2018 13:30
Prep Date: 07/18/2018 10:12
Data File: s072018.B\s5g2010.D

Date Collected: 07/16/2018 14:55
Date Received: 07/17/2018 08:55
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD5.I
Analyst: JLD1
Aliquot: 30.49 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 8.5
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
92-52-4	1,1'-Biphenyl	U	358	ug/kg	108	358
95-94-3	1,2,4,5-Tetrachlorobenzene	U	358	ug/kg	108	358
58-90-2	2,3,4,6-Tetrachlorophenol	U	358	ug/kg	108	358
95-95-4	2,4,5-Trichlorophenol	U	358	ug/kg	108	358
88-06-2	2,4,6-Trichlorophenol	U	358	ug/kg	108	358
120-83-2	2,4-Dichlorophenol	U	358	ug/kg	108	358
105-67-9	2,4-Dimethylphenol	U	358	ug/kg	108	358
51-28-5	2,4-Dinitrophenol	U	717	ug/kg	108	717
121-14-2	2,4-Dinitrotoluene	U	358	ug/kg	108	358
606-20-2	2,6-Dinitrotoluene	U	358	ug/kg	108	358
91-58-7	2-Chloronaphthalene	U	35.8	ug/kg	10.8	35.8
95-57-8	2-Chlorophenol	U	358	ug/kg	108	358
534-52-1	2-Methyl-4,6-dinitrophenol	U	358	ug/kg	108	358
91-57-6	2-Methylnaphthalene	U	35.8	ug/kg	10.8	35.8
88-75-5	2-Nitrophenol	U	358	ug/kg	108	358
91-94-1	3,3'-Dichlorobenzidine	U	358	ug/kg	108	358
101-55-3	4-Bromophenylphenylether	U	358	ug/kg	108	358
59-50-7	4-Chloro-3-methylphenol	U	358	ug/kg	143	358
106-47-8	4-Chloroaniline	U	358	ug/kg	108	358
7005-72-3	4-Chlorophenylphenylether	U	358	ug/kg	108	358
100-02-7	4-Nitrophenol	U	358	ug/kg	108	358
83-32-9	Acenaphthene	U	35.8	ug/kg	10.8	35.8
208-96-8	Acenaphthylene	U	35.8	ug/kg	10.8	35.8
98-86-2	Acetophenone	U	358	ug/kg	108	358
120-12-7	Anthracene	U	35.8	ug/kg	10.8	35.8
1912-24-9	Atrazine	U	358	ug/kg	143	358
100-52-7	Benzaldehyde	U	358	ug/kg	108	358
56-55-3	Benzo(a)anthracene	U	35.8	ug/kg	10.8	35.8
50-32-8	Benzo(a)pyrene	U	35.8	ug/kg	10.8	35.8
205-99-2	Benzo(b)fluoranthene	U	35.8	ug/kg	10.8	35.8
191-24-2	Benzo(ghi)perylene	U	35.8	ug/kg	10.8	35.8
207-08-9	Benzo(k)fluoranthene	U	35.8	ug/kg	10.8	35.8
85-68-7	Butylbenzylphthalate	U	35.8	ug/kg	10.8	35.8
105-60-2	Caprolactam	U	358	ug/kg	108	358
86-74-8	Carbazole	U	35.8	ug/kg	10.8	35.8
218-01-9	Chrysene	U	35.8	ug/kg	10.8	35.8
84-74-2	Di-n-butylphthalate	U	35.8	ug/kg	10.8	35.8
117-84-0	Di-n-octylphthalate	U	35.8	ug/kg	10.8	35.8

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Certificate of Analysis
Sample Summary**

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SDG Number: 454715
Lab Sample ID: 454715003

Client ID: SW03
Batch ID: 1783053
Run Date: 07/20/2018 13:30
Prep Date: 07/18/2018 10:12
Data File: s072018.B\s5g2010.D

Date Collected: 07/16/2018 14:55
Date Received: 07/17/2018 08:55
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD5.I
Analyst: JLD1
Aliquot: 30.49 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 8.5
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
53-70-3	Dibenzo(a,h)anthracene	U	35.8	ug/kg	10.8	35.8
132-64-9	Dibenzofuran	U	358	ug/kg	108	358
84-66-2	Diethylphthalate	U	35.8	ug/kg	10.8	35.8
131-11-3	Dimethylphthalate	U	35.8	ug/kg	10.8	35.8
122-39-4	Diphenylamine	U	358	ug/kg	108	358
206-44-0	Fluoranthene	U	35.8	ug/kg	10.8	35.8
86-73-7	Fluorene	U	35.8	ug/kg	10.8	35.8
118-74-1	Hexachlorobenzene	U	358	ug/kg	108	358
87-68-3	Hexachlorobutadiene	U	358	ug/kg	108	358
77-47-4	Hexachlorocyclopentadiene	U	358	ug/kg	108	358
67-72-1	Hexachloroethane	U	358	ug/kg	108	358
193-39-5	Indeno(1,2,3-cd)pyrene	U	35.8	ug/kg	10.8	35.8
78-59-1	Isophorone	U	358	ug/kg	108	358
621-64-7	N-Nitrosodipropylamine	U	358	ug/kg	108	358
91-20-3	Naphthalene	U	35.8	ug/kg	10.8	35.8
98-95-3	Nitrobenzene	U	358	ug/kg	108	358
87-86-5	Pentachlorophenol	U	358	ug/kg	108	358
85-01-8	Phenanthrene	U	35.8	ug/kg	10.8	35.8
108-95-2	Phenol	U	358	ug/kg	108	358
129-00-0	Pyrene	U	35.8	ug/kg	10.8	35.8
108-60-1	bis(2-Chloro-1-methylethyl)ether	U	358	ug/kg	108	358
111-91-1	bis(2-Chloroethoxy)methane	U	358	ug/kg	108	358
111-44-4	bis(2-Chloroethyl) ether	U	358	ug/kg	108	358
117-81-7	bis(2-Ethylhexyl)phthalate	U	35.8	ug/kg	10.8	35.8
65794-96-9	m,p-Cresols	U	358	ug/kg	108	358
99-09-2	m-Nitroaniline	U	358	ug/kg	108	358
95-48-7	o-Cresol	U	358	ug/kg	108	358
88-74-4	o-Nitroaniline	U	358	ug/kg	118	358
100-01-6	p-Nitroaniline	U	358	ug/kg	108	358

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SDG Number: 455067
Lab Sample ID: 455067011

Client ID: SW04
Batch ID: 1785065
Run Date: 07/25/2018 21:39
Prep Date: 07/24/2018 10:24
Data File: s072518.B\s5g2515.D

Date Collected: 07/19/2018 11:00
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD5.I
Analyst: JLD1
Aliquot: 30.09 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 7.7
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
92-52-4	1,1'-Biphenyl	U	360	ug/kg	108	360
95-94-3	1,2,4,5-Tetrachlorobenzene	U	360	ug/kg	108	360
58-90-2	2,3,4,6-Tetrachlorophenol	U	360	ug/kg	108	360
95-95-4	2,4,5-Trichlorophenol	U	360	ug/kg	108	360
88-06-2	2,4,6-Trichlorophenol	U	360	ug/kg	108	360
120-83-2	2,4-Dichlorophenol	U	360	ug/kg	108	360
105-67-9	2,4-Dimethylphenol	U	360	ug/kg	108	360
51-28-5	2,4-Dinitrophenol	U	720	ug/kg	108	720
121-14-2	2,4-Dinitrotoluene	U	360	ug/kg	108	360
606-20-2	2,6-Dinitrotoluene	U	360	ug/kg	108	360
91-58-7	2-Chloronaphthalene	U	36.0	ug/kg	10.8	36.0
95-57-8	2-Chlorophenol	U	360	ug/kg	108	360
534-52-1	2-Methyl-4,6-dinitrophenol	U	360	ug/kg	108	360
91-57-6	2-Methylnaphthalene	U	36.0	ug/kg	10.8	36.0
88-75-5	2-Nitrophenol	U	360	ug/kg	108	360
91-94-1	3,3'-Dichlorobenzidine	U	360	ug/kg	108	360
101-55-3	4-Bromophenylphenylether	U	360	ug/kg	108	360
59-50-7	4-Chloro-3-methylphenol	U	360	ug/kg	144	360
106-47-8	4-Chloroaniline	U	360	ug/kg	108	360
7005-72-3	4-Chlorophenylphenylether	U	360	ug/kg	108	360
100-02-7	4-Nitrophenol	U	360	ug/kg	108	360
83-32-9	Acenaphthene	U	36.0	ug/kg	10.8	36.0
208-96-8	Acenaphthylene	U	36.0	ug/kg	10.8	36.0
98-86-2	Acetophenone	U	360	ug/kg	108	360
120-12-7	Anthracene	U	36.0	ug/kg	10.8	36.0
1912-24-9	Atrazine	U	360	ug/kg	144	360
100-52-7	Benzaldehyde	U	360	ug/kg	108	360
56-55-3	Benzo(a)anthracene	U	36.0	ug/kg	10.8	36.0
50-32-8	Benzo(a)pyrene	U	36.0	ug/kg	10.8	36.0
205-99-2	Benzo(b)fluoranthene	U	36.0	ug/kg	10.8	36.0
191-24-2	Benzo(ghi)perylene	U	36.0	ug/kg	10.8	36.0
207-08-9	Benzo(k)fluoranthene	U	36.0	ug/kg	10.8	36.0
85-68-7	Butylbenzylphthalate	U	36.0	ug/kg	10.8	36.0
105-60-2	Caprolactam	U	360	ug/kg	108	360
86-74-8	Carbazole	U	36.0	ug/kg	10.8	36.0
218-01-9	Chrysene	U	36.0	ug/kg	10.8	36.0
84-74-2	Di-n-butylphthalate	U	36.0	ug/kg	10.8	36.0
117-84-0	Di-n-octylphthalate	U	36.0	ug/kg	10.8	36.0

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Sample Summary**

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SDG Number: 455067
Lab Sample ID: 455067011

Client ID: SW04
Batch ID: 1785065
Run Date: 07/25/2018 21:39
Prep Date: 07/24/2018 10:24
Data File: s072518.B\s5g2515.D

Date Collected: 07/19/2018 11:00
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD5.I
Analyst: JLD1
Aliquot: 30.09 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 7.7
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
53-70-3	Dibenzo(a,h)anthracene	U	36.0	ug/kg	10.8	36.0
132-64-9	Dibenzofuran	U	360	ug/kg	108	360
84-66-2	Diethylphthalate	U	36.0	ug/kg	10.8	36.0
131-11-3	Dimethylphthalate	U	36.0	ug/kg	10.8	36.0
122-39-4	Diphenylamine	U	360	ug/kg	108	360
206-44-0	Fluoranthene	U	36.0	ug/kg	10.8	36.0
86-73-7	Fluorene	U	36.0	ug/kg	10.8	36.0
118-74-1	Hexachlorobenzene	U	360	ug/kg	108	360
87-68-3	Hexachlorobutadiene	U	360	ug/kg	108	360
77-47-4	Hexachlorocyclopentadiene	U	360	ug/kg	108	360
67-72-1	Hexachloroethane	U	360	ug/kg	108	360
193-39-5	Indeno(1,2,3-cd)pyrene	U	36.0	ug/kg	10.8	36.0
78-59-1	Isophorone	U	360	ug/kg	108	360
621-64-7	N-Nitrosodipropylamine	U	360	ug/kg	108	360
91-20-3	Naphthalene	U	36.0	ug/kg	10.8	36.0
98-95-3	Nitrobenzene	U	360	ug/kg	108	360
87-86-5	Pentachlorophenol	U	360	ug/kg	108	360
85-01-8	Phenanthrene	U	36.0	ug/kg	10.8	36.0
108-95-2	Phenol	U	360	ug/kg	108	360
129-00-0	Pyrene	U	36.0	ug/kg	10.8	36.0
108-60-1	bis(2-Chloro-1-methylethyl)ether	U	360	ug/kg	108	360
111-91-1	bis(2-Chloroethoxy)methane	U	360	ug/kg	108	360
111-44-4	bis(2-Chloroethyl) ether	U	360	ug/kg	108	360
117-81-7	bis(2-Ethylhexyl)phthalate	U	36.0	ug/kg	10.8	36.0
65794-96-9	m,p-Cresols	U	360	ug/kg	108	360
99-09-2	m-Nitroaniline	U	360	ug/kg	108	360
95-48-7	o-Cresol	U	360	ug/kg	108	360
88-74-4	o-Nitroaniline	U	360	ug/kg	119	360
100-01-6	p-Nitroaniline	U	360	ug/kg	108	360

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SDG Number: 455067
Lab Sample ID: 455067012

Client ID: SW05
Batch ID: 1785065
Run Date: 07/25/2018 22:09
Prep Date: 07/24/2018 10:24
Data File: s072518.B\s5g2516.D

Date Collected: 07/19/2018 12:55
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD5.I
Analyst: JLD1
Aliquot: 30.34 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 7.3
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
92-52-4	1,1'-Biphenyl	U	356	ug/kg	107	356
95-94-3	1,2,4,5-Tetrachlorobenzene	U	356	ug/kg	107	356
58-90-2	2,3,4,6-Tetrachlorophenol	U	356	ug/kg	107	356
95-95-4	2,4,5-Trichlorophenol	U	356	ug/kg	107	356
88-06-2	2,4,6-Trichlorophenol	U	356	ug/kg	107	356
120-83-2	2,4-Dichlorophenol	U	356	ug/kg	107	356
105-67-9	2,4-Dimethylphenol	U	356	ug/kg	107	356
51-28-5	2,4-Dinitrophenol	U	711	ug/kg	107	711
121-14-2	2,4-Dinitrotoluene	U	356	ug/kg	107	356
606-20-2	2,6-Dinitrotoluene	U	356	ug/kg	107	356
91-58-7	2-Chloronaphthalene	U	35.6	ug/kg	10.7	35.6
95-57-8	2-Chlorophenol	U	356	ug/kg	107	356
534-52-1	2-Methyl-4,6-dinitrophenol	U	356	ug/kg	107	356
91-57-6	2-Methylnaphthalene	U	35.6	ug/kg	10.7	35.6
88-75-5	2-Nitrophenol	U	356	ug/kg	107	356
91-94-1	3,3'-Dichlorobenzidine	U	356	ug/kg	107	356
101-55-3	4-Bromophenylphenylether	U	356	ug/kg	107	356
59-50-7	4-Chloro-3-methylphenol	U	356	ug/kg	142	356
106-47-8	4-Chloroaniline	U	356	ug/kg	107	356
7005-72-3	4-Chlorophenylphenylether	U	356	ug/kg	107	356
100-02-7	4-Nitrophenol	U	356	ug/kg	107	356
83-32-9	Acenaphthene	U	35.6	ug/kg	10.7	35.6
208-96-8	Acenaphthylene	U	35.6	ug/kg	10.7	35.6
98-86-2	Acetophenone	U	356	ug/kg	107	356
120-12-7	Anthracene	U	35.6	ug/kg	10.7	35.6
1912-24-9	Atrazine	U	356	ug/kg	142	356
100-52-7	Benzaldehyde	U	356	ug/kg	107	356
56-55-3	Benzo(a)anthracene	U	35.6	ug/kg	10.7	35.6
50-32-8	Benzo(a)pyrene	U	35.6	ug/kg	10.7	35.6
205-99-2	Benzo(b)fluoranthene	U	35.6	ug/kg	10.7	35.6
191-24-2	Benzo(ghi)perylene	U	35.6	ug/kg	10.7	35.6
207-08-9	Benzo(k)fluoranthene	U	35.6	ug/kg	10.7	35.6
85-68-7	Butylbenzylphthalate	U	35.6	ug/kg	10.7	35.6
105-60-2	Caprolactam	U	356	ug/kg	107	356
86-74-8	Carbazole	U	35.6	ug/kg	10.7	35.6
218-01-9	Chrysene	U	35.6	ug/kg	10.7	35.6
84-74-2	Di-n-butylphthalate	U	35.6	ug/kg	10.7	35.6
117-84-0	Di-n-octylphthalate	U	35.6	ug/kg	10.7	35.6

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Sample Summary**

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SDG Number: 455067
Lab Sample ID: 455067012

Client ID: SW05
Batch ID: 1785065
Run Date: 07/25/2018 22:09
Prep Date: 07/24/2018 10:24
Data File: s072518.B\s5g2516.D

Date Collected: 07/19/2018 12:55
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD5.I
Analyst: JLD1
Aliquot: 30.34 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 7.3
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
53-70-3	Dibenzo(a,h)anthracene	U	35.6	ug/kg	10.7	35.6
132-64-9	Dibenzofuran	U	356	ug/kg	107	356
84-66-2	Diethylphthalate	U	35.6	ug/kg	10.7	35.6
131-11-3	Dimethylphthalate	U	35.6	ug/kg	10.7	35.6
122-39-4	Diphenylamine	U	356	ug/kg	107	356
206-44-0	Fluoranthene	U	35.6	ug/kg	10.7	35.6
86-73-7	Fluorene	U	35.6	ug/kg	10.7	35.6
118-74-1	Hexachlorobenzene	U	356	ug/kg	107	356
87-68-3	Hexachlorobutadiene	U	356	ug/kg	107	356
77-47-4	Hexachlorocyclopentadiene	U	356	ug/kg	107	356
67-72-1	Hexachloroethane	U	356	ug/kg	107	356
193-39-5	Indeno(1,2,3-cd)pyrene	U	35.6	ug/kg	10.7	35.6
78-59-1	Isophorone	U	356	ug/kg	107	356
621-64-7	N-Nitrosodipropylamine	U	356	ug/kg	107	356
91-20-3	Naphthalene	U	35.6	ug/kg	10.7	35.6
98-95-3	Nitrobenzene	U	356	ug/kg	107	356
87-86-5	Pentachlorophenol	U	356	ug/kg	107	356
85-01-8	Phenanthrene	U	35.6	ug/kg	10.7	35.6
108-95-2	Phenol	U	356	ug/kg	107	356
129-00-0	Pyrene	U	35.6	ug/kg	10.7	35.6
108-60-1	bis(2-Chloro-1-methylethyl)ether	U	356	ug/kg	107	356
111-91-1	bis(2-Chloroethoxy)methane	U	356	ug/kg	107	356
111-44-4	bis(2-Chloroethyl) ether	U	356	ug/kg	107	356
117-81-7	bis(2-Ethylhexyl)phthalate	U	35.6	ug/kg	10.7	35.6
65794-96-9	m,p-Cresols	U	356	ug/kg	107	356
99-09-2	m-Nitroaniline	U	356	ug/kg	107	356
95-48-7	o-Cresol	U	356	ug/kg	107	356
88-74-4	o-Nitroaniline	U	356	ug/kg	117	356
100-01-6	p-Nitroaniline	U	356	ug/kg	107	356

**Semi-Volatile
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Sample Summary**

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SDG Number: 455239
Lab Sample ID: 455239003

Client ID: SW06
Batch ID: 1785491
Run Date: 07/25/2018 19:20
Prep Date: 07/25/2018 10:10
Data File: s072518.s\3g2513.D

Date Collected: 07/20/2018 15:10
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD3.I
Analyst: JLD1
Aliquot: 30.39 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 8.2
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
92-52-4	1,1'-Biphenyl	U	358	ug/kg	108	358
95-94-3	1,2,4,5-Tetrachlorobenzene	U	358	ug/kg	108	358
58-90-2	2,3,4,6-Tetrachlorophenol	U	358	ug/kg	108	358
95-95-4	2,4,5-Trichlorophenol	U	358	ug/kg	108	358
88-06-2	2,4,6-Trichlorophenol	U	358	ug/kg	108	358
120-83-2	2,4-Dichlorophenol	U	358	ug/kg	108	358
105-67-9	2,4-Dimethylphenol	U	358	ug/kg	108	358
51-28-5	2,4-Dinitrophenol	U	717	ug/kg	108	717
121-14-2	2,4-Dinitrotoluene	U	358	ug/kg	108	358
606-20-2	2,6-Dinitrotoluene	U	358	ug/kg	108	358
91-58-7	2-Chloronaphthalene	U	35.8	ug/kg	10.8	35.8
95-57-8	2-Chlorophenol	U	358	ug/kg	108	358
534-52-1	2-Methyl-4,6-dinitrophenol	U	358	ug/kg	108	358
91-57-6	2-Methylnaphthalene	U	35.8	ug/kg	10.8	35.8
88-75-5	2-Nitrophenol	U	358	ug/kg	108	358
91-94-1	3,3'-Dichlorobenzidine	U	358	ug/kg	108	358
101-55-3	4-Bromophenylphenylether	U	358	ug/kg	108	358
59-50-7	4-Chloro-3-methylphenol	U	358	ug/kg	143	358
106-47-8	4-Chloroaniline	U	358	ug/kg	108	358
7005-72-3	4-Chlorophenylphenylether	U	358	ug/kg	108	358
100-02-7	4-Nitrophenol	U	358	ug/kg	108	358
83-32-9	Acenaphthene	U	35.8	ug/kg	10.8	35.8
208-96-8	Acenaphthylene	U	35.8	ug/kg	10.8	35.8
98-86-2	Acetophenone	U	358	ug/kg	108	358
120-12-7	Anthracene	U	35.8	ug/kg	10.8	35.8
1912-24-9	Atrazine	U	358	ug/kg	143	358
100-52-7	Benzaldehyde	U	358	ug/kg	108	358
56-55-3	Benzo(a)anthracene	U	35.8	ug/kg	10.8	35.8
50-32-8	Benzo(a)pyrene	U	35.8	ug/kg	10.8	35.8
205-99-2	Benzo(b)fluoranthene	U	35.8	ug/kg	10.8	35.8
191-24-2	Benzo(ghi)perylene	U	35.8	ug/kg	10.8	35.8
207-08-9	Benzo(k)fluoranthene	U	35.8	ug/kg	10.8	35.8
85-68-7	Butylbenzylphthalate	U	35.8	ug/kg	10.8	35.8
105-60-2	Caprolactam	U	358	ug/kg	108	358
86-74-8	Carbazole	U	35.8	ug/kg	10.8	35.8
218-01-9	Chrysene	U	35.8	ug/kg	10.8	35.8
84-74-2	Di-n-butylphthalate	U	35.8	ug/kg	10.8	35.8
117-84-0	Di-n-octylphthalate		108	ug/kg	10.8	35.8

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Certificate of Analysis
Sample Summary**

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SDG Number: 455239
Lab Sample ID: 455239003

Client ID: SW06
Batch ID: 1785491
Run Date: 07/25/2018 19:20
Prep Date: 07/25/2018 10:10
Data File: s072518.s\s3g2513.D

Date Collected: 07/20/2018 15:10
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD3.I
Analyst: JLD1
Aliquot: 30.39 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 8.2
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
53-70-3	Dibenzo(a,h)anthracene	U	35.8	ug/kg	10.8	35.8
132-64-9	Dibenzofuran	U	358	ug/kg	108	358
84-66-2	Diethylphthalate	U	35.8	ug/kg	10.8	35.8
131-11-3	Dimethylphthalate	U	35.8	ug/kg	10.8	35.8
122-39-4	Diphenylamine	U	358	ug/kg	108	358
206-44-0	Fluoranthene	U	35.8	ug/kg	10.8	35.8
86-73-7	Fluorene	U	35.8	ug/kg	10.8	35.8
118-74-1	Hexachlorobenzene	U	358	ug/kg	108	358
87-68-3	Hexachlorobutadiene	U	358	ug/kg	108	358
77-47-4	Hexachlorocyclopentadiene	U	358	ug/kg	108	358
67-72-1	Hexachloroethane	U	358	ug/kg	108	358
193-39-5	Indeno(1,2,3-cd)pyrene	U	35.8	ug/kg	10.8	35.8
78-59-1	Isophorone	U	358	ug/kg	108	358
621-64-7	N-Nitrosodipropylamine	U	358	ug/kg	108	358
91-20-3	Naphthalene	U	35.8	ug/kg	10.8	35.8
98-95-3	Nitrobenzene	U	358	ug/kg	108	358
87-86-5	Pentachlorophenol	U	358	ug/kg	108	358
85-01-8	Phenanthrene	U	35.8	ug/kg	10.8	35.8
108-95-2	Phenol	U	358	ug/kg	108	358
129-00-0	Pyrene	U	35.8	ug/kg	10.8	35.8
108-60-1	bis(2-Chloro-1-methylethyl)ether	U	358	ug/kg	108	358
111-91-1	bis(2-Chloroethoxy)methane	U	358	ug/kg	108	358
111-44-4	bis(2-Chloroethyl) ether	U	358	ug/kg	108	358
117-81-7	bis(2-Ethylhexyl)phthalate	U	35.8	ug/kg	10.8	35.8
65794-96-9	m,p-Cresols	U	358	ug/kg	108	358
99-09-2	m-Nitroaniline	U	358	ug/kg	108	358
95-48-7	o-Cresol	U	358	ug/kg	108	358
88-74-4	o-Nitroaniline	U	358	ug/kg	118	358
100-01-6	p-Nitroaniline	U	358	ug/kg	108	358

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Certificate of Analysis
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SDG Number: 455239
Lab Sample ID: 455239004

Client ID: SW06D
Batch ID: 1785491
Run Date: 07/25/2018 20:49
Prep Date: 07/25/2018 10:10
Data File: s072518.s\3g2516.D

Date Collected: 07/20/2018 15:15
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD3.I
Analyst: JLD1
Aliquot: 30.3 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 8.1
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
92-52-4	1,1'-Biphenyl	U	359	ug/kg	108	359
95-94-3	1,2,4,5-Tetrachlorobenzene	U	359	ug/kg	108	359
58-90-2	2,3,4,6-Tetrachlorophenol	U	359	ug/kg	108	359
95-95-4	2,4,5-Trichlorophenol	U	359	ug/kg	108	359
88-06-2	2,4,6-Trichlorophenol	U	359	ug/kg	108	359
120-83-2	2,4-Dichlorophenol	U	359	ug/kg	108	359
105-67-9	2,4-Dimethylphenol	U	359	ug/kg	108	359
51-28-5	2,4-Dinitrophenol	U	718	ug/kg	108	718
121-14-2	2,4-Dinitrotoluene	U	359	ug/kg	108	359
606-20-2	2,6-Dinitrotoluene	U	359	ug/kg	108	359
91-58-7	2-Chloronaphthalene	U	35.9	ug/kg	10.8	35.9
95-57-8	2-Chlorophenol	U	359	ug/kg	108	359
534-52-1	2-Methyl-4,6-dinitrophenol	U	359	ug/kg	108	359
91-57-6	2-Methylnaphthalene	U	35.9	ug/kg	10.8	35.9
88-75-5	2-Nitrophenol	U	359	ug/kg	108	359
91-94-1	3,3'-Dichlorobenzidine	U	359	ug/kg	108	359
101-55-3	4-Bromophenylphenylether	U	359	ug/kg	108	359
59-50-7	4-Chloro-3-methylphenol	U	359	ug/kg	144	359
106-47-8	4-Chloroaniline	U	359	ug/kg	108	359
7005-72-3	4-Chlorophenylphenylether	U	359	ug/kg	108	359
100-02-7	4-Nitrophenol	U	359	ug/kg	108	359
83-32-9	Acenaphthene	U	35.9	ug/kg	10.8	35.9
208-96-8	Acenaphthylene	U	35.9	ug/kg	10.8	35.9
98-86-2	Acetophenone	U	359	ug/kg	108	359
120-12-7	Anthracene	U	35.9	ug/kg	10.8	35.9
1912-24-9	Atrazine	U	359	ug/kg	144	359
100-52-7	Benzaldehyde	U	359	ug/kg	108	359
56-55-3	Benzo(a)anthracene	U	35.9	ug/kg	10.8	35.9
50-32-8	Benzo(a)pyrene	U	35.9	ug/kg	10.8	35.9
205-99-2	Benzo(b)fluoranthene	U	35.9	ug/kg	10.8	35.9
191-24-2	Benzo(ghi)perylene	U	35.9	ug/kg	10.8	35.9
207-08-9	Benzo(k)fluoranthene	U	35.9	ug/kg	10.8	35.9
85-68-7	Butylbenzylphthalate	U	35.9	ug/kg	10.8	35.9
105-60-2	Caprolactam	U	359	ug/kg	108	359
86-74-8	Carbazole	U	35.9	ug/kg	10.8	35.9
218-01-9	Chrysene	U	35.9	ug/kg	10.8	35.9
84-74-2	Di-n-butylphthalate	U	35.9	ug/kg	10.8	35.9
117-84-0	Di-n-octylphthalate	U	35.9	ug/kg	10.8	35.9

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Sample Summary**

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SDG Number: 455239
Lab Sample ID: 455239004

Client ID: SW06D
Batch ID: 1785491
Run Date: 07/25/2018 20:49
Prep Date: 07/25/2018 10:10
Data File: s072518.s\s3g2516.D

Date Collected: 07/20/2018 15:15
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD3.I
Analyst: JLD1
Aliquot: 30.3 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 8.1
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
53-70-3	Dibenzo(a,h)anthracene	U	35.9	ug/kg	10.8	35.9
132-64-9	Dibenzofuran	U	359	ug/kg	108	359
84-66-2	Diethylphthalate	U	35.9	ug/kg	10.8	35.9
131-11-3	Dimethylphthalate	U	35.9	ug/kg	10.8	35.9
122-39-4	Diphenylamine	U	359	ug/kg	108	359
206-44-0	Fluoranthene	U	35.9	ug/kg	10.8	35.9
86-73-7	Fluorene	U	35.9	ug/kg	10.8	35.9
118-74-1	Hexachlorobenzene	U	359	ug/kg	108	359
87-68-3	Hexachlorobutadiene	U	359	ug/kg	108	359
77-47-4	Hexachlorocyclopentadiene	U	359	ug/kg	108	359
67-72-1	Hexachloroethane	U	359	ug/kg	108	359
193-39-5	Indeno(1,2,3-cd)pyrene	U	35.9	ug/kg	10.8	35.9
78-59-1	Isophorone	U	359	ug/kg	108	359
621-64-7	N-Nitrosodipropylamine	U	359	ug/kg	108	359
91-20-3	Naphthalene	U	35.9	ug/kg	10.8	35.9
98-95-3	Nitrobenzene	U	359	ug/kg	108	359
87-86-5	Pentachlorophenol	U	359	ug/kg	108	359
85-01-8	Phenanthrene	U	35.9	ug/kg	10.8	35.9
108-95-2	Phenol	U	359	ug/kg	108	359
129-00-0	Pyrene	U	35.9	ug/kg	10.8	35.9
108-60-1	bis(2-Chloro-1-methylethyl)ether	U	359	ug/kg	108	359
111-91-1	bis(2-Chloroethoxy)methane	U	359	ug/kg	108	359
111-44-4	bis(2-Chloroethyl) ether	U	359	ug/kg	108	359
117-81-7	bis(2-Ethylhexyl)phthalate	U	35.9	ug/kg	10.8	35.9
65794-96-9	m,p-Cresols	U	359	ug/kg	108	359
99-09-2	m-Nitroaniline	U	359	ug/kg	108	359
95-48-7	o-Cresol	U	359	ug/kg	108	359
88-74-4	o-Nitroaniline	U	359	ug/kg	119	359
100-01-6	p-Nitroaniline	U	359	ug/kg	108	359

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Certificate of Analysis
Sample Summary**

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SDG Number: 455239
Lab Sample ID: 455239008

Client ID: SW12
Batch ID: 1785491
Run Date: 07/25/2018 22:47
Prep Date: 07/25/2018 10:10
Data File: s072518.s\3g2520.D

Date Collected: 07/20/2018 14:45
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD3.I
Analyst: JLD1
Aliquot: 30.49 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 8.5
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
92-52-4	1,1'-Biphenyl	U	358	ug/kg	107	358
95-94-3	1,2,4,5-Tetrachlorobenzene	U	358	ug/kg	107	358
58-90-2	2,3,4,6-Tetrachlorophenol	U	358	ug/kg	107	358
95-95-4	2,4,5-Trichlorophenol	U	358	ug/kg	107	358
88-06-2	2,4,6-Trichlorophenol	U	358	ug/kg	107	358
120-83-2	2,4-Dichlorophenol	U	358	ug/kg	107	358
105-67-9	2,4-Dimethylphenol	U	358	ug/kg	107	358
51-28-5	2,4-Dinitrophenol	U	717	ug/kg	107	717
121-14-2	2,4-Dinitrotoluene	U	358	ug/kg	107	358
606-20-2	2,6-Dinitrotoluene	U	358	ug/kg	107	358
91-58-7	2-Chloronaphthalene	U	35.8	ug/kg	10.7	35.8
95-57-8	2-Chlorophenol	U	358	ug/kg	107	358
534-52-1	2-Methyl-4,6-dinitrophenol	U	358	ug/kg	107	358
91-57-6	2-Methylnaphthalene	U	35.8	ug/kg	10.7	35.8
88-75-5	2-Nitrophenol	U	358	ug/kg	107	358
91-94-1	3,3'-Dichlorobenzidine	U	358	ug/kg	107	358
101-55-3	4-Bromophenylphenylether	U	358	ug/kg	107	358
59-50-7	4-Chloro-3-methylphenol	U	358	ug/kg	143	358
106-47-8	4-Chloroaniline	U	358	ug/kg	107	358
7005-72-3	4-Chlorophenylphenylether	U	358	ug/kg	107	358
100-02-7	4-Nitrophenol	U	358	ug/kg	107	358
83-32-9	Acenaphthene	U	35.8	ug/kg	10.7	35.8
208-96-8	Acenaphthylene	U	35.8	ug/kg	10.7	35.8
98-86-2	Acetophenone	U	358	ug/kg	107	358
120-12-7	Anthracene	U	35.8	ug/kg	10.7	35.8
1912-24-9	Atrazine	U	358	ug/kg	143	358
100-52-7	Benzaldehyde	U	358	ug/kg	107	358
56-55-3	Benzo(a)anthracene	U	35.8	ug/kg	10.7	35.8
50-32-8	Benzo(a)pyrene	U	35.8	ug/kg	10.7	35.8
205-99-2	Benzo(b)fluoranthene	U	35.8	ug/kg	10.7	35.8
191-24-2	Benzo(ghi)perylene	U	35.8	ug/kg	10.7	35.8
207-08-9	Benzo(k)fluoranthene	U	35.8	ug/kg	10.7	35.8
85-68-7	Butylbenzylphthalate	U	35.8	ug/kg	10.7	35.8
105-60-2	Caprolactam	U	358	ug/kg	107	358
86-74-8	Carbazole	U	35.8	ug/kg	10.7	35.8
218-01-9	Chrysene	U	35.8	ug/kg	10.7	35.8
84-74-2	Di-n-butylphthalate	U	35.8	ug/kg	10.7	35.8
117-84-0	Di-n-octylphthalate	U	35.8	ug/kg	10.7	35.8

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Certificate of Analysis
Sample Summary**

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SDG Number: 455239
Lab Sample ID: 455239008
Client ID: SW12
Batch ID: 1785491
Run Date: 07/25/2018 22:47
Prep Date: 07/25/2018 10:10
Data File: s072518.s\3g2520.D

Date Collected: 07/20/2018 14:45
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD3.I
Analyst: JLD1
Aliquot: 30.49 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 8.5
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
53-70-3	Dibenzo(a,h)anthracene	U	35.8	ug/kg	10.7	35.8
132-64-9	Dibenzofuran	U	358	ug/kg	107	358
84-66-2	Diethylphthalate	U	35.8	ug/kg	10.7	35.8
131-11-3	Dimethylphthalate	U	35.8	ug/kg	10.7	35.8
122-39-4	Diphenylamine	U	358	ug/kg	107	358
206-44-0	Fluoranthene	U	35.8	ug/kg	10.7	35.8
86-73-7	Fluorene	U	35.8	ug/kg	10.7	35.8
118-74-1	Hexachlorobenzene	U	358	ug/kg	107	358
87-68-3	Hexachlorobutadiene	U	358	ug/kg	107	358
77-47-4	Hexachlorocyclopentadiene	U	358	ug/kg	107	358
67-72-1	Hexachloroethane	U	358	ug/kg	107	358
193-39-5	Indeno(1,2,3-cd)pyrene	U	35.8	ug/kg	10.7	35.8
78-59-1	Isophorone	U	358	ug/kg	107	358
621-64-7	N-Nitrosodipropylamine	U	358	ug/kg	107	358
91-20-3	Naphthalene	U	35.8	ug/kg	10.7	35.8
98-95-3	Nitrobenzene	U	358	ug/kg	107	358
87-86-5	Pentachlorophenol	U	358	ug/kg	107	358
85-01-8	Phenanthrene	U	35.8	ug/kg	10.7	35.8
108-95-2	Phenol	U	358	ug/kg	107	358
129-00-0	Pyrene	U	35.8	ug/kg	10.7	35.8
108-60-1	bis(2-Chloro-1-methylethyl)ether	U	358	ug/kg	107	358
111-91-1	bis(2-Chloroethoxy)methane	U	358	ug/kg	107	358
111-44-4	bis(2-Chloroethyl) ether	U	358	ug/kg	107	358
117-81-7	bis(2-Ethylhexyl)phthalate	U	35.8	ug/kg	10.7	35.8
65794-96-9	m,p-Cresols	U	358	ug/kg	107	358
99-09-2	m-Nitroaniline	U	358	ug/kg	107	358
95-48-7	o-Cresol	U	358	ug/kg	107	358
88-74-4	o-Nitroaniline	U	358	ug/kg	118	358
100-01-6	p-Nitroaniline	U	358	ug/kg	107	358

**Semi-Volatile
Certificate of Analysis
Sample Summary**

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SDG Number: 455239
Lab Sample ID: 455239006

Client ID: SW13
Batch ID: 1785491
Run Date: 07/25/2018 21:48
Prep Date: 07/25/2018 10:10
Data File: s072518.s\3g2518.D

Date Collected: 07/20/2018 14:30
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD3.I
Analyst: JLD1
Aliquot: 30.2 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 8.2
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
92-52-4	1,1'-Biphenyl	U	361	ug/kg	108	361
95-94-3	1,2,4,5-Tetrachlorobenzene	U	361	ug/kg	108	361
58-90-2	2,3,4,6-Tetrachlorophenol	U	361	ug/kg	108	361
95-95-4	2,4,5-Trichlorophenol	U	361	ug/kg	108	361
88-06-2	2,4,6-Trichlorophenol	U	361	ug/kg	108	361
120-83-2	2,4-Dichlorophenol	U	361	ug/kg	108	361
105-67-9	2,4-Dimethylphenol	U	361	ug/kg	108	361
51-28-5	2,4-Dinitrophenol	U	721	ug/kg	108	721
121-14-2	2,4-Dinitrotoluene	U	361	ug/kg	108	361
606-20-2	2,6-Dinitrotoluene	U	361	ug/kg	108	361
91-58-7	2-Chloronaphthalene	U	36.1	ug/kg	10.8	36.1
95-57-8	2-Chlorophenol	U	361	ug/kg	108	361
534-52-1	2-Methyl-4,6-dinitrophenol	U	361	ug/kg	108	361
91-57-6	2-Methylnaphthalene	U	36.1	ug/kg	10.8	36.1
88-75-5	2-Nitrophenol	U	361	ug/kg	108	361
91-94-1	3,3'-Dichlorobenzidine	U	361	ug/kg	108	361
101-55-3	4-Bromophenylphenylether	U	361	ug/kg	108	361
59-50-7	4-Chloro-3-methylphenol	U	361	ug/kg	144	361
106-47-8	4-Chloroaniline	U	361	ug/kg	108	361
7005-72-3	4-Chlorophenylphenylether	U	361	ug/kg	108	361
100-02-7	4-Nitrophenol	U	361	ug/kg	108	361
83-32-9	Acenaphthene	U	36.1	ug/kg	10.8	36.1
208-96-8	Acenaphthylene	U	36.1	ug/kg	10.8	36.1
98-86-2	Acetophenone	U	361	ug/kg	108	361
120-12-7	Anthracene	U	36.1	ug/kg	10.8	36.1
1912-24-9	Atrazine	U	361	ug/kg	144	361
100-52-7	Benzaldehyde	U	361	ug/kg	108	361
56-55-3	Benzo(a)anthracene	U	36.1	ug/kg	10.8	36.1
50-32-8	Benzo(a)pyrene	U	36.1	ug/kg	10.8	36.1
205-99-2	Benzo(b)fluoranthene	U	36.1	ug/kg	10.8	36.1
191-24-2	Benzo(ghi)perylene	U	36.1	ug/kg	10.8	36.1
207-08-9	Benzo(k)fluoranthene	U	36.1	ug/kg	10.8	36.1
85-68-7	Butylbenzylphthalate	U	36.1	ug/kg	10.8	36.1
105-60-2	Caprolactam	U	361	ug/kg	108	361
86-74-8	Carbazole	U	36.1	ug/kg	10.8	36.1
218-01-9	Chrysene	U	36.1	ug/kg	10.8	36.1
84-74-2	Di-n-butylphthalate	U	36.1	ug/kg	10.8	36.1
117-84-0	Di-n-octylphthalate	U	36.1	ug/kg	10.8	36.1

**Semi-Volatile
Certificate of Analysis
Sample Summary**

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SDG Number: 455239
Lab Sample ID: 455239006
Client ID: SW13
Batch ID: 1785491
Run Date: 07/25/2018 21:48
Prep Date: 07/25/2018 10:10
Data File: s072518.s\s3g2518.D

Date Collected: 07/20/2018 14:30
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD3.I
Analyst: JLD1
Aliquot: 30.2 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 8.2
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
53-70-3	Dibenzo(a,h)anthracene	U	36.1	ug/kg	10.8	36.1
132-64-9	Dibenzofuran	U	361	ug/kg	108	361
84-66-2	Diethylphthalate	U	36.1	ug/kg	10.8	36.1
131-11-3	Dimethylphthalate	U	36.1	ug/kg	10.8	36.1
122-39-4	Diphenylamine	U	361	ug/kg	108	361
206-44-0	Fluoranthene	U	36.1	ug/kg	10.8	36.1
86-73-7	Fluorene	U	36.1	ug/kg	10.8	36.1
118-74-1	Hexachlorobenzene	U	361	ug/kg	108	361
87-68-3	Hexachlorobutadiene	U	361	ug/kg	108	361
77-47-4	Hexachlorocyclopentadiene	U	361	ug/kg	108	361
67-72-1	Hexachloroethane	U	361	ug/kg	108	361
193-39-5	Indeno(1,2,3-cd)pyrene	U	36.1	ug/kg	10.8	36.1
78-59-1	Isophorone	U	361	ug/kg	108	361
621-64-7	N-Nitrosodipropylamine	U	361	ug/kg	108	361
91-20-3	Naphthalene	U	36.1	ug/kg	10.8	36.1
98-95-3	Nitrobenzene	U	361	ug/kg	108	361
87-86-5	Pentachlorophenol	U	361	ug/kg	108	361
85-01-8	Phenanthrene	U	36.1	ug/kg	10.8	36.1
108-95-2	Phenol	U	361	ug/kg	108	361
129-00-0	Pyrene	U	36.1	ug/kg	10.8	36.1
108-60-1	bis(2-Chloro-1-methylethyl)ether	U	361	ug/kg	108	361
111-91-1	bis(2-Chloroethoxy)methane	U	361	ug/kg	108	361
111-44-4	bis(2-Chloroethyl) ether	U	361	ug/kg	108	361
117-81-7	bis(2-Ethylhexyl)phthalate	U	36.1	ug/kg	10.8	36.1
65794-96-9	m,p-Cresols	U	361	ug/kg	108	361
99-09-2	m-Nitroaniline	U	361	ug/kg	108	361
95-48-7	o-Cresol	U	361	ug/kg	108	361
88-74-4	o-Nitroaniline	U	361	ug/kg	119	361
100-01-6	p-Nitroaniline	U	361	ug/kg	108	361

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 455239
Lab Sample ID: 455239005

Client ID: SW14
Batch ID: 1785491
Run Date: 07/25/2018 21:19
Prep Date: 07/25/2018 10:10
Data File: s072518.s\s3g2517.D

Date Collected: 07/20/2018 14:25
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD3.I
Analyst: JLD1
Aliquot: 30.07 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 8.2
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
92-52-4	1,1'-Biphenyl	U	362	ug/kg	109	362
95-94-3	1,2,4,5-Tetrachlorobenzene	U	362	ug/kg	109	362
58-90-2	2,3,4,6-Tetrachlorophenol	U	362	ug/kg	109	362
95-95-4	2,4,5-Trichlorophenol	U	362	ug/kg	109	362
88-06-2	2,4,6-Trichlorophenol	U	362	ug/kg	109	362
120-83-2	2,4-Dichlorophenol	U	362	ug/kg	109	362
105-67-9	2,4-Dimethylphenol	U	362	ug/kg	109	362
51-28-5	2,4-Dinitrophenol	U	725	ug/kg	109	725
121-14-2	2,4-Dinitrotoluene	U	362	ug/kg	109	362
606-20-2	2,6-Dinitrotoluene	U	362	ug/kg	109	362
91-58-7	2-Chloronaphthalene	U	36.2	ug/kg	10.9	36.2
95-57-8	2-Chlorophenol	U	362	ug/kg	109	362
534-52-1	2-Methyl-4,6-dinitrophenol	U	362	ug/kg	109	362
91-57-6	2-Methylnaphthalene	U	36.2	ug/kg	10.9	36.2
88-75-5	2-Nitrophenol	U	362	ug/kg	109	362
91-94-1	3,3'-Dichlorobenzidine	U	362	ug/kg	109	362
101-55-3	4-Bromophenylphenylether	U	362	ug/kg	109	362
59-50-7	4-Chloro-3-methylphenol	U	362	ug/kg	145	362
106-47-8	4-Chloroaniline	U	362	ug/kg	109	362
7005-72-3	4-Chlorophenylphenylether	U	362	ug/kg	109	362
100-02-7	4-Nitrophenol	U	362	ug/kg	109	362
83-32-9	Acenaphthene	U	36.2	ug/kg	10.9	36.2
208-96-8	Acenaphthylene	U	36.2	ug/kg	10.9	36.2
98-86-2	Acetophenone	U	362	ug/kg	109	362
120-12-7	Anthracene	U	36.2	ug/kg	10.9	36.2
1912-24-9	Atrazine	U	362	ug/kg	145	362
100-52-7	Benzaldehyde	U	362	ug/kg	109	362
56-55-3	Benzo(a)anthracene	U	36.2	ug/kg	10.9	36.2
50-32-8	Benzo(a)pyrene	U	36.2	ug/kg	10.9	36.2
205-99-2	Benzo(b)fluoranthene	U	36.2	ug/kg	10.9	36.2
191-24-2	Benzo(ghi)perylene	U	36.2	ug/kg	10.9	36.2
207-08-9	Benzo(k)fluoranthene	U	36.2	ug/kg	10.9	36.2
85-68-7	Butylbenzylphthalate	U	36.2	ug/kg	10.9	36.2
105-60-2	Caprolactam	U	362	ug/kg	109	362
86-74-8	Carbazole	U	36.2	ug/kg	10.9	36.2
218-01-9	Chrysene	U	36.2	ug/kg	10.9	36.2
84-74-2	Di-n-butylphthalate	U	36.2	ug/kg	10.9	36.2
117-84-0	Di-n-octylphthalate	U	36.2	ug/kg	10.9	36.2

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Certificate of Analysis
Sample Summary**

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SDG Number: 455239
Lab Sample ID: 455239005
Client ID: SW14
Batch ID: 1785491
Run Date: 07/25/2018 21:19
Prep Date: 07/25/2018 10:10
Data File: s072518.s\s3g2517.D

Date Collected: 07/20/2018 14:25
Date Received: 07/24/2018 09:00
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD3.I
Analyst: JLD1
Aliquot: 30.07 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 8.2
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
53-70-3	Dibenzo(a,h)anthracene	U	36.2	ug/kg	10.9	36.2
132-64-9	Dibenzofuran	U	362	ug/kg	109	362
84-66-2	Diethylphthalate	U	36.2	ug/kg	10.9	36.2
131-11-3	Dimethylphthalate	U	36.2	ug/kg	10.9	36.2
122-39-4	Diphenylamine	U	362	ug/kg	109	362
206-44-0	Fluoranthene	U	36.2	ug/kg	10.9	36.2
86-73-7	Fluorene	U	36.2	ug/kg	10.9	36.2
118-74-1	Hexachlorobenzene	U	362	ug/kg	109	362
87-68-3	Hexachlorobutadiene	U	362	ug/kg	109	362
77-47-4	Hexachlorocyclopentadiene	U	362	ug/kg	109	362
67-72-1	Hexachloroethane	U	362	ug/kg	109	362
193-39-5	Indeno(1,2,3-cd)pyrene	U	36.2	ug/kg	10.9	36.2
78-59-1	Isophorone	U	362	ug/kg	109	362
621-64-7	N-Nitrosodipropylamine	U	362	ug/kg	109	362
91-20-3	Naphthalene	U	36.2	ug/kg	10.9	36.2
98-95-3	Nitrobenzene	U	362	ug/kg	109	362
87-86-5	Pentachlorophenol	U	362	ug/kg	109	362
85-01-8	Phenanthrene	U	36.2	ug/kg	10.9	36.2
108-95-2	Phenol	U	362	ug/kg	109	362
129-00-0	Pyrene	U	36.2	ug/kg	10.9	36.2
108-60-1	bis(2-Chloro-1-methylethyl)ether	U	362	ug/kg	109	362
111-91-1	bis(2-Chloroethoxy)methane	U	362	ug/kg	109	362
111-44-4	bis(2-Chloroethyl) ether	U	362	ug/kg	109	362
117-81-7	bis(2-Ethylhexyl)phthalate	U	36.2	ug/kg	10.9	36.2
65794-96-9	m,p-Cresols	U	362	ug/kg	109	362
99-09-2	m-Nitroaniline	U	362	ug/kg	109	362
95-48-7	o-Cresol	U	362	ug/kg	109	362
88-74-4	o-Nitroaniline	U	362	ug/kg	120	362
100-01-6	p-Nitroaniline	U	362	ug/kg	109	362

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Sample Summary**

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SDG Number: 455067
Lab Sample ID: 455067007

Client ID: SW15
Batch ID: 1785065
Run Date: 07/25/2018 19:38
Prep Date: 07/24/2018 10:24
Data File: s072518.B\s5g2511.D

Date Collected: 07/19/2018 09:45
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD5.I
Analyst: JLD1
Aliquot: 30.26 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 8.5
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
92-52-4	1,1'-Biphenyl	U	361	ug/kg	108	361
95-94-3	1,2,4,5-Tetrachlorobenzene	U	361	ug/kg	108	361
58-90-2	2,3,4,6-Tetrachlorophenol	U	361	ug/kg	108	361
95-95-4	2,4,5-Trichlorophenol	U	361	ug/kg	108	361
88-06-2	2,4,6-Trichlorophenol	U	361	ug/kg	108	361
120-83-2	2,4-Dichlorophenol	U	361	ug/kg	108	361
105-67-9	2,4-Dimethylphenol	U	361	ug/kg	108	361
51-28-5	2,4-Dinitrophenol	U	723	ug/kg	108	723
121-14-2	2,4-Dinitrotoluene	U	361	ug/kg	108	361
606-20-2	2,6-Dinitrotoluene	U	361	ug/kg	108	361
91-58-7	2-Chloronaphthalene	U	36.1	ug/kg	10.8	36.1
95-57-8	2-Chlorophenol	U	361	ug/kg	108	361
534-52-1	2-Methyl-4,6-dinitrophenol	U	361	ug/kg	108	361
91-57-6	2-Methylnaphthalene	U	36.1	ug/kg	10.8	36.1
88-75-5	2-Nitrophenol	U	361	ug/kg	108	361
91-94-1	3,3'-Dichlorobenzidine	U	361	ug/kg	108	361
101-55-3	4-Bromophenylphenylether	U	361	ug/kg	108	361
59-50-7	4-Chloro-3-methylphenol	U	361	ug/kg	145	361
106-47-8	4-Chloroaniline	U	361	ug/kg	108	361
7005-72-3	4-Chlorophenylphenylether	U	361	ug/kg	108	361
100-02-7	4-Nitrophenol	U	361	ug/kg	108	361
83-32-9	Acenaphthene	U	36.1	ug/kg	10.8	36.1
208-96-8	Acenaphthylene	U	36.1	ug/kg	10.8	36.1
98-86-2	Acetophenone	U	361	ug/kg	108	361
120-12-7	Anthracene	U	36.1	ug/kg	10.8	36.1
1912-24-9	Atrazine	U	361	ug/kg	145	361
100-52-7	Benzaldehyde	U	361	ug/kg	108	361
56-55-3	Benzo(a)anthracene	U	36.1	ug/kg	10.8	36.1
50-32-8	Benzo(a)pyrene	U	36.1	ug/kg	10.8	36.1
205-99-2	Benzo(b)fluoranthene	U	36.1	ug/kg	10.8	36.1
191-24-2	Benzo(ghi)perylene	U	36.1	ug/kg	10.8	36.1
207-08-9	Benzo(k)fluoranthene	U	36.1	ug/kg	10.8	36.1
85-68-7	Butylbenzylphthalate	U	36.1	ug/kg	10.8	36.1
105-60-2	Caprolactam	U	361	ug/kg	108	361
86-74-8	Carbazole	U	36.1	ug/kg	10.8	36.1
218-01-9	Chrysene	U	36.1	ug/kg	10.8	36.1
84-74-2	Di-n-butylphthalate	U	36.1	ug/kg	10.8	36.1
117-84-0	Di-n-octylphthalate	U	36.1	ug/kg	10.8	36.1

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Certificate of Analysis
Sample Summary**

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SDG Number: 455067
Lab Sample ID: 455067007

Client ID: SW15
Batch ID: 1785065
Run Date: 07/25/2018 19:38
Prep Date: 07/24/2018 10:24
Data File: s072518.B\s5g2511.D

Date Collected: 07/19/2018 09:45
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD5.I
Analyst: JLD1
Aliquot: 30.26 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 8.5
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
53-70-3	Dibenzo(a,h)anthracene	U	36.1	ug/kg	10.8	36.1
132-64-9	Dibenzofuran	U	361	ug/kg	108	361
84-66-2	Diethylphthalate	U	36.1	ug/kg	10.8	36.1
131-11-3	Dimethylphthalate	U	36.1	ug/kg	10.8	36.1
122-39-4	Diphenylamine	U	361	ug/kg	108	361
206-44-0	Fluoranthene	U	36.1	ug/kg	10.8	36.1
86-73-7	Fluorene	U	36.1	ug/kg	10.8	36.1
118-74-1	Hexachlorobenzene	U	361	ug/kg	108	361
87-68-3	Hexachlorobutadiene	U	361	ug/kg	108	361
77-47-4	Hexachlorocyclopentadiene	U	361	ug/kg	108	361
67-72-1	Hexachloroethane	U	361	ug/kg	108	361
193-39-5	Indeno(1,2,3-cd)pyrene	U	36.1	ug/kg	10.8	36.1
78-59-1	Isophorone	U	361	ug/kg	108	361
621-64-7	N-Nitrosodipropylamine	U	361	ug/kg	108	361
91-20-3	Naphthalene	U	36.1	ug/kg	10.8	36.1
98-95-3	Nitrobenzene	U	361	ug/kg	108	361
87-86-5	Pentachlorophenol	U	361	ug/kg	108	361
85-01-8	Phenanthrene	U	36.1	ug/kg	10.8	36.1
108-95-2	Phenol	U	361	ug/kg	108	361
129-00-0	Pyrene	U	36.1	ug/kg	10.8	36.1
108-60-1	bis(2-Chloro-1-methylethyl)ether	U	361	ug/kg	108	361
111-91-1	bis(2-Chloroethoxy)methane	U	361	ug/kg	108	361
111-44-4	bis(2-Chloroethyl) ether	U	361	ug/kg	108	361
117-81-7	bis(2-Ethylhexyl)phthalate	U	36.1	ug/kg	10.8	36.1
65794-96-9	m,p-Cresols	U	361	ug/kg	108	361
99-09-2	m-Nitroaniline	U	361	ug/kg	108	361
95-48-7	o-Cresol	U	361	ug/kg	108	361
88-74-4	o-Nitroaniline	U	361	ug/kg	119	361
100-01-6	p-Nitroaniline	U	361	ug/kg	108	361

**Semi-Volatile
Certificate of Analysis
Sample Summary**

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SDG Number: 455067
Lab Sample ID: 455067005

Client ID: SW16
Batch ID: 1785065
Run Date: 07/25/2018 18:38
Prep Date: 07/24/2018 10:24
Data File: s072518.B\s5g2509.D

Date Collected: 07/19/2018 09:10
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD5.I
Analyst: JLD1
Aliquot: 30.08 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 8.1
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
92-52-4	1,1'-Biphenyl	U	362	ug/kg	108	362
95-94-3	1,2,4,5-Tetrachlorobenzene	U	362	ug/kg	108	362
58-90-2	2,3,4,6-Tetrachlorophenol	U	362	ug/kg	108	362
95-95-4	2,4,5-Trichlorophenol	U	362	ug/kg	108	362
88-06-2	2,4,6-Trichlorophenol	U	362	ug/kg	108	362
120-83-2	2,4-Dichlorophenol	U	362	ug/kg	108	362
105-67-9	2,4-Dimethylphenol	U	362	ug/kg	108	362
51-28-5	2,4-Dinitrophenol	U	723	ug/kg	108	723
121-14-2	2,4-Dinitrotoluene	U	362	ug/kg	108	362
606-20-2	2,6-Dinitrotoluene	U	362	ug/kg	108	362
91-58-7	2-Chloronaphthalene	U	36.2	ug/kg	10.8	36.2
95-57-8	2-Chlorophenol	U	362	ug/kg	108	362
534-52-1	2-Methyl-4,6-dinitrophenol	U	362	ug/kg	108	362
91-57-6	2-Methylnaphthalene	U	36.2	ug/kg	10.8	36.2
88-75-5	2-Nitrophenol	U	362	ug/kg	108	362
91-94-1	3,3'-Dichlorobenzidine	U	362	ug/kg	108	362
101-55-3	4-Bromophenylphenylether	U	362	ug/kg	108	362
59-50-7	4-Chloro-3-methylphenol	U	362	ug/kg	145	362
106-47-8	4-Chloroaniline	U	362	ug/kg	108	362
7005-72-3	4-Chlorophenylphenylether	U	362	ug/kg	108	362
100-02-7	4-Nitrophenol	U	362	ug/kg	108	362
83-32-9	Acenaphthene	U	36.2	ug/kg	10.8	36.2
208-96-8	Acenaphthylene	U	36.2	ug/kg	10.8	36.2
98-86-2	Acetophenone	U	362	ug/kg	108	362
120-12-7	Anthracene	U	36.2	ug/kg	10.8	36.2
1912-24-9	Atrazine	U	362	ug/kg	145	362
100-52-7	Benzaldehyde	U	362	ug/kg	108	362
56-55-3	Benzo(a)anthracene	U	36.2	ug/kg	10.8	36.2
50-32-8	Benzo(a)pyrene	U	36.2	ug/kg	10.8	36.2
205-99-2	Benzo(b)fluoranthene	U	36.2	ug/kg	10.8	36.2
191-24-2	Benzo(ghi)perylene	U	36.2	ug/kg	10.8	36.2
207-08-9	Benzo(k)fluoranthene	U	36.2	ug/kg	10.8	36.2
85-68-7	Butylbenzylphthalate	U	36.2	ug/kg	10.8	36.2
105-60-2	Caprolactam	U	362	ug/kg	108	362
86-74-8	Carbazole	U	36.2	ug/kg	10.8	36.2
218-01-9	Chrysene	U	36.2	ug/kg	10.8	36.2
84-74-2	Di-n-butylphthalate	U	36.2	ug/kg	10.8	36.2
117-84-0	Di-n-octylphthalate	U	36.2	ug/kg	10.8	36.2

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Certificate of Analysis
Sample Summary**

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SDG Number: 455067
Lab Sample ID: 455067005

Client ID: SW16
Batch ID: 1785065
Run Date: 07/25/2018 18:38
Prep Date: 07/24/2018 10:24
Data File: s072518.B\s5g2509.D

Date Collected: 07/19/2018 09:10
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD5.I
Analyst: JLD1
Aliquot: 30.08 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 8.1
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
53-70-3	Dibenzo(a,h)anthracene	U	36.2	ug/kg	10.8	36.2
132-64-9	Dibenzofuran	U	362	ug/kg	108	362
84-66-2	Diethylphthalate	U	36.2	ug/kg	10.8	36.2
131-11-3	Dimethylphthalate	U	36.2	ug/kg	10.8	36.2
122-39-4	Diphenylamine	U	362	ug/kg	108	362
206-44-0	Fluoranthene	U	36.2	ug/kg	10.8	36.2
86-73-7	Fluorene	U	36.2	ug/kg	10.8	36.2
118-74-1	Hexachlorobenzene	U	362	ug/kg	108	362
87-68-3	Hexachlorobutadiene	U	362	ug/kg	108	362
77-47-4	Hexachlorocyclopentadiene	U	362	ug/kg	108	362
67-72-1	Hexachloroethane	U	362	ug/kg	108	362
193-39-5	Indeno(1,2,3-cd)pyrene	U	36.2	ug/kg	10.8	36.2
78-59-1	Isophorone	U	362	ug/kg	108	362
621-64-7	N-Nitrosodipropylamine	U	362	ug/kg	108	362
91-20-3	Naphthalene	U	36.2	ug/kg	10.8	36.2
98-95-3	Nitrobenzene	U	362	ug/kg	108	362
87-86-5	Pentachlorophenol	U	362	ug/kg	108	362
85-01-8	Phenanthrene	U	36.2	ug/kg	10.8	36.2
108-95-2	Phenol	U	362	ug/kg	108	362
129-00-0	Pyrene	U	36.2	ug/kg	10.8	36.2
108-60-1	bis(2-Chloro-1-methylethyl)ether	U	362	ug/kg	108	362
111-91-1	bis(2-Chloroethoxy)methane	U	362	ug/kg	108	362
111-44-4	bis(2-Chloroethyl) ether	U	362	ug/kg	108	362
117-81-7	bis(2-Ethylhexyl)phthalate	U	36.2	ug/kg	10.8	36.2
65794-96-9	m,p-Cresols	U	362	ug/kg	108	362
99-09-2	m-Nitroaniline	U	362	ug/kg	108	362
95-48-7	o-Cresol	U	362	ug/kg	108	362
88-74-4	o-Nitroaniline	U	362	ug/kg	119	362
100-01-6	p-Nitroaniline	U	362	ug/kg	108	362

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Sample Summary**

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SDG Number: 455067
Lab Sample ID: 455067003

Client ID: SW21
Batch ID: 1785065
Run Date: 07/24/2018 22:26
Prep Date: 07/24/2018 10:24
Data File: s072418.B\s5g2419.D

Date Collected: 07/19/2018 08:20
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD5.I
Analyst: JLD1
Aliquot: 30.13 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 6.9
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
92-52-4	1,1'-Biphenyl	U	357	ug/kg	107	357
95-94-3	1,2,4,5-Tetrachlorobenzene	U	357	ug/kg	107	357
58-90-2	2,3,4,6-Tetrachlorophenol	U	357	ug/kg	107	357
95-95-4	2,4,5-Trichlorophenol	U	357	ug/kg	107	357
88-06-2	2,4,6-Trichlorophenol	U	357	ug/kg	107	357
120-83-2	2,4-Dichlorophenol	U	357	ug/kg	107	357
105-67-9	2,4-Dimethylphenol	U	357	ug/kg	107	357
51-28-5	2,4-Dinitrophenol	U	713	ug/kg	107	713
121-14-2	2,4-Dinitrotoluene	U	357	ug/kg	107	357
606-20-2	2,6-Dinitrotoluene	U	357	ug/kg	107	357
91-58-7	2-Chloronaphthalene	U	35.7	ug/kg	10.7	35.7
95-57-8	2-Chlorophenol	U	357	ug/kg	107	357
534-52-1	2-Methyl-4,6-dinitrophenol	U	357	ug/kg	107	357
91-57-6	2-Methylnaphthalene	U	35.7	ug/kg	10.7	35.7
88-75-5	2-Nitrophenol	U	357	ug/kg	107	357
91-94-1	3,3'-Dichlorobenzidine	U	357	ug/kg	107	357
101-55-3	4-Bromophenylphenylether	U	357	ug/kg	107	357
59-50-7	4-Chloro-3-methylphenol	U	357	ug/kg	143	357
106-47-8	4-Chloroaniline	U	357	ug/kg	107	357
7005-72-3	4-Chlorophenylphenylether	U	357	ug/kg	107	357
100-02-7	4-Nitrophenol	U	357	ug/kg	107	357
83-32-9	Acenaphthene	U	35.7	ug/kg	10.7	35.7
208-96-8	Acenaphthylene	U	35.7	ug/kg	10.7	35.7
98-86-2	Acetophenone	U	357	ug/kg	107	357
120-12-7	Anthracene	U	35.7	ug/kg	10.7	35.7
1912-24-9	Atrazine	U	357	ug/kg	143	357
100-52-7	Benzaldehyde	U	357	ug/kg	107	357
56-55-3	Benzo(a)anthracene	U	35.7	ug/kg	10.7	35.7
50-32-8	Benzo(a)pyrene	U	35.7	ug/kg	10.7	35.7
205-99-2	Benzo(b)fluoranthene	U	35.7	ug/kg	10.7	35.7
191-24-2	Benzo(ghi)perylene	U	35.7	ug/kg	10.7	35.7
207-08-9	Benzo(k)fluoranthene	U	35.7	ug/kg	10.7	35.7
85-68-7	Butylbenzylphthalate	U	35.7	ug/kg	10.7	35.7
105-60-2	Caprolactam	U	357	ug/kg	107	357
86-74-8	Carbazole	U	35.7	ug/kg	10.7	35.7
218-01-9	Chrysene	U	35.7	ug/kg	10.7	35.7
84-74-2	Di-n-butylphthalate	U	35.7	ug/kg	10.7	35.7
117-84-0	Di-n-octylphthalate	U	35.7	ug/kg	10.7	35.7

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 455067
Lab Sample ID: 455067003
Client ID: SW21
Batch ID: 1785065
Run Date: 07/24/2018 22:26
Prep Date: 07/24/2018 10:24
Data File: s072418.B\s5g2419.D

Date Collected: 07/19/2018 08:20
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD5.I
Analyst: JLD1
Aliquot: 30.13 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 6.9
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
53-70-3	Dibenzo(a,h)anthracene	U	35.7	ug/kg	10.7	35.7
132-64-9	Dibenzofuran	U	357	ug/kg	107	357
84-66-2	Diethylphthalate	U	35.7	ug/kg	10.7	35.7
131-11-3	Dimethylphthalate	U	35.7	ug/kg	10.7	35.7
122-39-4	Diphenylamine	U	357	ug/kg	107	357
206-44-0	Fluoranthene	U	35.7	ug/kg	10.7	35.7
86-73-7	Fluorene	U	35.7	ug/kg	10.7	35.7
118-74-1	Hexachlorobenzene	U	357	ug/kg	107	357
87-68-3	Hexachlorobutadiene	U	357	ug/kg	107	357
77-47-4	Hexachlorocyclopentadiene	U	357	ug/kg	107	357
67-72-1	Hexachloroethane	U	357	ug/kg	107	357
193-39-5	Indeno(1,2,3-cd)pyrene	U	35.7	ug/kg	10.7	35.7
78-59-1	Isophorone	U	357	ug/kg	107	357
621-64-7	N-Nitrosodipropylamine	U	357	ug/kg	107	357
91-20-3	Naphthalene	U	35.7	ug/kg	10.7	35.7
98-95-3	Nitrobenzene	U	357	ug/kg	107	357
87-86-5	Pentachlorophenol	U	357	ug/kg	107	357
85-01-8	Phenanthrene	U	35.7	ug/kg	10.7	35.7
108-95-2	Phenol	U	357	ug/kg	107	357
129-00-0	Pyrene	U	35.7	ug/kg	10.7	35.7
108-60-1	bis(2-Chloro-1-methylethyl)ether	U	357	ug/kg	107	357
111-91-1	bis(2-Chloroethoxy)methane	U	357	ug/kg	107	357
111-44-4	bis(2-Chloroethyl) ether	U	357	ug/kg	107	357
117-81-7	bis(2-Ethylhexyl)phthalate	U	35.7	ug/kg	10.7	35.7
65794-96-9	m,p-Cresols	U	357	ug/kg	107	357
99-09-2	m-Nitroaniline	U	357	ug/kg	107	357
95-48-7	o-Cresol	U	357	ug/kg	107	357
88-74-4	o-Nitroaniline	U	357	ug/kg	118	357
100-01-6	p-Nitroaniline	U	357	ug/kg	107	357

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SDG Number: 455067
Lab Sample ID: 455067016

Client ID: SW21D
Batch ID: 1785065
Run Date: 07/26/2018 00:10
Prep Date: 07/24/2018 10:24
Data File: s072518.B\s5g2520.D

Date Collected: 07/19/2018 08:25
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD5.I
Analyst: JLD1
Aliquot: 30.5 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 9.1
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
92-52-4	1,1'-Biphenyl	U	361	ug/kg	108	361
95-94-3	1,2,4,5-Tetrachlorobenzene	U	361	ug/kg	108	361
58-90-2	2,3,4,6-Tetrachlorophenol	U	361	ug/kg	108	361
95-95-4	2,4,5-Trichlorophenol	U	361	ug/kg	108	361
88-06-2	2,4,6-Trichlorophenol	U	361	ug/kg	108	361
120-83-2	2,4-Dichlorophenol	U	361	ug/kg	108	361
105-67-9	2,4-Dimethylphenol	U	361	ug/kg	108	361
51-28-5	2,4-Dinitrophenol	U	722	ug/kg	108	722
121-14-2	2,4-Dinitrotoluene	U	361	ug/kg	108	361
606-20-2	2,6-Dinitrotoluene	U	361	ug/kg	108	361
91-58-7	2-Chloronaphthalene	U	36.1	ug/kg	10.8	36.1
95-57-8	2-Chlorophenol	U	361	ug/kg	108	361
534-52-1	2-Methyl-4,6-dinitrophenol	U	361	ug/kg	108	361
91-57-6	2-Methylnaphthalene	U	36.1	ug/kg	10.8	36.1
88-75-5	2-Nitrophenol	U	361	ug/kg	108	361
91-94-1	3,3'-Dichlorobenzidine	U	361	ug/kg	108	361
101-55-3	4-Bromophenylphenylether	U	361	ug/kg	108	361
59-50-7	4-Chloro-3-methylphenol	U	361	ug/kg	144	361
106-47-8	4-Chloroaniline	U	361	ug/kg	108	361
7005-72-3	4-Chlorophenylphenylether	U	361	ug/kg	108	361
100-02-7	4-Nitrophenol	U	361	ug/kg	108	361
83-32-9	Acenaphthene	U	36.1	ug/kg	10.8	36.1
208-96-8	Acenaphthylene	U	36.1	ug/kg	10.8	36.1
98-86-2	Acetophenone	U	361	ug/kg	108	361
120-12-7	Anthracene	U	36.1	ug/kg	10.8	36.1
1912-24-9	Atrazine	U	361	ug/kg	144	361
100-52-7	Benzaldehyde	U	361	ug/kg	108	361
56-55-3	Benzo(a)anthracene	U	36.1	ug/kg	10.8	36.1
50-32-8	Benzo(a)pyrene	U	36.1	ug/kg	10.8	36.1
205-99-2	Benzo(b)fluoranthene	U	36.1	ug/kg	10.8	36.1
191-24-2	Benzo(ghi)perylene	U	36.1	ug/kg	10.8	36.1
207-08-9	Benzo(k)fluoranthene	U	36.1	ug/kg	10.8	36.1
85-68-7	Butylbenzylphthalate	U	36.1	ug/kg	10.8	36.1
105-60-2	Caprolactam	U	361	ug/kg	108	361
86-74-8	Carbazole	U	36.1	ug/kg	10.8	36.1
218-01-9	Chrysene	U	36.1	ug/kg	10.8	36.1
84-74-2	Di-n-butylphthalate	J	11.5	ug/kg	10.8	36.1
117-84-0	Di-n-octylphthalate	U	36.1	ug/kg	10.8	36.1

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Sample Summary**

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SDG Number: 455067
Lab Sample ID: 455067016

Client ID: SW21D
Batch ID: 1785065
Run Date: 07/26/2018 00:10
Prep Date: 07/24/2018 10:24
Data File: s072518.B\s5g2520.D

Date Collected: 07/19/2018 08:25
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD5.I
Analyst: JLD1
Aliquot: 30.5 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 9.1
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
53-70-3	Dibenzo(a,h)anthracene	U	36.1	ug/kg	10.8	36.1
132-64-9	Dibenzofuran	U	361	ug/kg	108	361
84-66-2	Diethylphthalate	U	36.1	ug/kg	10.8	36.1
131-11-3	Dimethylphthalate	U	36.1	ug/kg	10.8	36.1
122-39-4	Diphenylamine	U	361	ug/kg	108	361
206-44-0	Fluoranthene	U	36.1	ug/kg	10.8	36.1
86-73-7	Fluorene	U	36.1	ug/kg	10.8	36.1
118-74-1	Hexachlorobenzene	U	361	ug/kg	108	361
87-68-3	Hexachlorobutadiene	U	361	ug/kg	108	361
77-47-4	Hexachlorocyclopentadiene	U	361	ug/kg	108	361
67-72-1	Hexachloroethane	U	361	ug/kg	108	361
193-39-5	Indeno(1,2,3-cd)pyrene	U	36.1	ug/kg	10.8	36.1
78-59-1	Isophorone	U	361	ug/kg	108	361
621-64-7	N-Nitrosodipropylamine	U	361	ug/kg	108	361
91-20-3	Naphthalene	U	36.1	ug/kg	10.8	36.1
98-95-3	Nitrobenzene	U	361	ug/kg	108	361
87-86-5	Pentachlorophenol	U	361	ug/kg	108	361
85-01-8	Phenanthrene	U	36.1	ug/kg	10.8	36.1
108-95-2	Phenol	U	361	ug/kg	108	361
129-00-0	Pyrene	U	36.1	ug/kg	10.8	36.1
108-60-1	bis(2-Chloro-1-methylethyl)ether	U	361	ug/kg	108	361
111-91-1	bis(2-Chloroethoxy)methane	U	361	ug/kg	108	361
111-44-4	bis(2-Chloroethyl) ether	U	361	ug/kg	108	361
117-81-7	bis(2-Ethylhexyl)phthalate	U	36.1	ug/kg	10.8	36.1
65794-96-9	m,p-Cresols	U	361	ug/kg	108	361
99-09-2	m-Nitroaniline	U	361	ug/kg	108	361
95-48-7	o-Cresol	U	361	ug/kg	108	361
88-74-4	o-Nitroaniline	U	361	ug/kg	119	361
100-01-6	p-Nitroaniline	U	361	ug/kg	108	361

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Certificate of Analysis
Sample Summary**

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SDG Number: 454944
Lab Sample ID: 454944009

Client ID: SW22
Batch ID: 1784536
Run Date: 07/24/2018 00:05
Prep Date: 07/23/2018 11:27
Data File: 072318.s\Ag2321.D

Date Collected: 07/18/2018 14:00
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 3541/8270D
Inst: MSDA.I
Analyst: LOF
Aliquot: 30.19 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 7
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
92-52-4	1,1'-Biphenyl	U	356	ug/kg	107	356
95-94-3	1,2,4,5-Tetrachlorobenzene	U	356	ug/kg	107	356
58-90-2	2,3,4,6-Tetrachlorophenol	U	356	ug/kg	107	356
95-95-4	2,4,5-Trichlorophenol	U	356	ug/kg	107	356
88-06-2	2,4,6-Trichlorophenol	U	356	ug/kg	107	356
120-83-2	2,4-Dichlorophenol	U	356	ug/kg	107	356
105-67-9	2,4-Dimethylphenol	U	356	ug/kg	107	356
51-28-5	2,4-Dinitrophenol	U	713	ug/kg	107	713
121-14-2	2,4-Dinitrotoluene	U	356	ug/kg	107	356
606-20-2	2,6-Dinitrotoluene	U	356	ug/kg	107	356
91-58-7	2-Chloronaphthalene	U	35.6	ug/kg	10.7	35.6
95-57-8	2-Chlorophenol	U	356	ug/kg	107	356
534-52-1	2-Methyl-4,6-dinitrophenol	U	356	ug/kg	107	356
91-57-6	2-Methylnaphthalene	U	35.6	ug/kg	10.7	35.6
88-75-5	2-Nitrophenol	U	356	ug/kg	107	356
91-94-1	3,3'-Dichlorobenzidine	U	356	ug/kg	107	356
101-55-3	4-Bromophenylphenylether	U	356	ug/kg	107	356
59-50-7	4-Chloro-3-methylphenol	U	356	ug/kg	143	356
106-47-8	4-Chloroaniline	U	356	ug/kg	107	356
7005-72-3	4-Chlorophenylphenylether	U	356	ug/kg	107	356
100-02-7	4-Nitrophenol	U	356	ug/kg	107	356
83-32-9	Acenaphthene	U	35.6	ug/kg	10.7	35.6
208-96-8	Acenaphthylene	U	35.6	ug/kg	10.7	35.6
98-86-2	Acetophenone	U	356	ug/kg	107	356
120-12-7	Anthracene	U	35.6	ug/kg	10.7	35.6
1912-24-9	Atrazine	U	356	ug/kg	143	356
100-52-7	Benzaldehyde	U	356	ug/kg	107	356
56-55-3	Benzo(a)anthracene	J	17.1	ug/kg	10.7	35.6
50-32-8	Benzo(a)pyrene	U	35.6	ug/kg	10.7	35.6
205-99-2	Benzo(b)fluoranthene	U	35.6	ug/kg	10.7	35.6
191-24-2	Benzo(ghi)perylene	U	35.6	ug/kg	10.7	35.6
207-08-9	Benzo(k)fluoranthene	U	35.6	ug/kg	10.7	35.6
85-68-7	Butylbenzylphthalate	U	35.6	ug/kg	10.7	35.6
105-60-2	Caprolactam	U	356	ug/kg	107	356
86-74-8	Carbazole	U	35.6	ug/kg	10.7	35.6
218-01-9	Chrysene	J	10.7	ug/kg	10.7	35.6
84-74-2	Di-n-butylphthalate	U	35.6	ug/kg	10.7	35.6
117-84-0	Di-n-octylphthalate	U	35.6	ug/kg	10.7	35.6

**Semi-Volatile
Certificate of Analysis
Sample Summary**

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SDG Number: 454944
Lab Sample ID: 454944009
Client ID: SW22
Batch ID: 1784536
Run Date: 07/24/2018 00:05
Prep Date: 07/23/2018 11:27
Data File: 072318.s\Ag2321.D

Date Collected: 07/18/2018 14:00
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 3541/8270D
Inst: MSDA.I
Analyst: LOF
Aliquot: 30.19 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 7
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
53-70-3	Dibenzo(a,h)anthracene	U	35.6	ug/kg	10.7	35.6
132-64-9	Dibenzofuran	U	356	ug/kg	107	356
84-66-2	Diethylphthalate	U	35.6	ug/kg	10.7	35.6
131-11-3	Dimethylphthalate	U	35.6	ug/kg	10.7	35.6
122-39-4	Diphenylamine	U	356	ug/kg	107	356
206-44-0	Fluoranthene	J	32.1	ug/kg	10.7	35.6
86-73-7	Fluorene	U	35.6	ug/kg	10.7	35.6
118-74-1	Hexachlorobenzene	U	356	ug/kg	107	356
87-68-3	Hexachlorobutadiene	U	356	ug/kg	107	356
77-47-4	Hexachlorocyclopentadiene	U	356	ug/kg	107	356
67-72-1	Hexachloroethane	U	356	ug/kg	107	356
193-39-5	Indeno(1,2,3-cd)pyrene	U	35.6	ug/kg	10.7	35.6
78-59-1	Isophorone	U	356	ug/kg	107	356
621-64-7	N-Nitrosodipropylamine	U	356	ug/kg	107	356
91-20-3	Naphthalene	U	35.6	ug/kg	10.7	35.6
98-95-3	Nitrobenzene	U	356	ug/kg	107	356
87-86-5	Pentachlorophenol	U	356	ug/kg	107	356
85-01-8	Phenanthrene	J	21.7	ug/kg	10.7	35.6
108-95-2	Phenol	U	356	ug/kg	107	356
129-00-0	Pyrene	J	21.4	ug/kg	10.7	35.6
108-60-1	bis(2-Chloro-1-methylethyl)ether	U	356	ug/kg	107	356
111-91-1	bis(2-Chloroethoxy)methane	U	356	ug/kg	107	356
111-44-4	bis(2-Chloroethyl) ether	U	356	ug/kg	107	356
117-81-7	bis(2-Ethylhexyl)phthalate	U	35.6	ug/kg	10.7	35.6
65794-96-9	m,p-Cresols	U	356	ug/kg	107	356
99-09-2	m-Nitroaniline	U	356	ug/kg	107	356
95-48-7	o-Cresol	U	356	ug/kg	107	356
88-74-4	o-Nitroaniline	U	356	ug/kg	118	356
100-01-6	p-Nitroaniline	U	356	ug/kg	107	356

**Semi-Volatile
Certificate of Analysis
Sample Summary**

Page 1 of 2

SDG Number: 455067
Lab Sample ID: 455067004

Client ID: SW23
Batch ID: 1785065
Run Date: 07/25/2018 17:37
Prep Date: 07/24/2018 10:24
Data File: s072518.B\s5g2507.D

Date Collected: 07/19/2018 08:40
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD5.I
Analyst: JLD1
Aliquot: 30.39 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 8.3
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
92-52-4	1,1'-Biphenyl	U	359	ug/kg	108	359
95-94-3	1,2,4,5-Tetrachlorobenzene	U	359	ug/kg	108	359
58-90-2	2,3,4,6-Tetrachlorophenol	U	359	ug/kg	108	359
95-95-4	2,4,5-Trichlorophenol	U	359	ug/kg	108	359
88-06-2	2,4,6-Trichlorophenol	U	359	ug/kg	108	359
120-83-2	2,4-Dichlorophenol	U	359	ug/kg	108	359
105-67-9	2,4-Dimethylphenol	U	359	ug/kg	108	359
51-28-5	2,4-Dinitrophenol	U	718	ug/kg	108	718
121-14-2	2,4-Dinitrotoluene	U	359	ug/kg	108	359
606-20-2	2,6-Dinitrotoluene	U	359	ug/kg	108	359
91-58-7	2-Chloronaphthalene	U	35.9	ug/kg	10.8	35.9
95-57-8	2-Chlorophenol	U	359	ug/kg	108	359
534-52-1	2-Methyl-4,6-dinitrophenol	U	359	ug/kg	108	359
91-57-6	2-Methylnaphthalene	U	35.9	ug/kg	10.8	35.9
88-75-5	2-Nitrophenol	U	359	ug/kg	108	359
91-94-1	3,3'-Dichlorobenzidine	U	359	ug/kg	108	359
101-55-3	4-Bromophenylphenylether	U	359	ug/kg	108	359
59-50-7	4-Chloro-3-methylphenol	U	359	ug/kg	144	359
106-47-8	4-Chloroaniline	U	359	ug/kg	108	359
7005-72-3	4-Chlorophenylphenylether	U	359	ug/kg	108	359
100-02-7	4-Nitrophenol	U	359	ug/kg	108	359
83-32-9	Acenaphthene	U	35.9	ug/kg	10.8	35.9
208-96-8	Acenaphthylene	U	35.9	ug/kg	10.8	35.9
98-86-2	Acetophenone	U	359	ug/kg	108	359
120-12-7	Anthracene	U	35.9	ug/kg	10.8	35.9
1912-24-9	Atrazine	U	359	ug/kg	144	359
100-52-7	Benzaldehyde	U	359	ug/kg	108	359
56-55-3	Benzo(a)anthracene	U	35.9	ug/kg	10.8	35.9
50-32-8	Benzo(a)pyrene	U	35.9	ug/kg	10.8	35.9
205-99-2	Benzo(b)fluoranthene	U	35.9	ug/kg	10.8	35.9
191-24-2	Benzo(ghi)perylene	U	35.9	ug/kg	10.8	35.9
207-08-9	Benzo(k)fluoranthene	U	35.9	ug/kg	10.8	35.9
85-68-7	Butylbenzylphthalate	U	35.9	ug/kg	10.8	35.9
105-60-2	Caprolactam	U	359	ug/kg	108	359
86-74-8	Carbazole	U	35.9	ug/kg	10.8	35.9
218-01-9	Chrysene	U	35.9	ug/kg	10.8	35.9
84-74-2	Di-n-butylphthalate	U	35.9	ug/kg	10.8	35.9
117-84-0	Di-n-octylphthalate	U	35.9	ug/kg	10.8	35.9

**Semi-Volatile
Certificate of Analysis
Sample Summary**

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SDG Number: 455067
Lab Sample ID: 455067004

Client ID: SW23
Batch ID: 1785065
Run Date: 07/25/2018 17:37
Prep Date: 07/24/2018 10:24
Data File: s072518.B\s5g2507.D

Date Collected: 07/19/2018 08:40
Date Received: 07/20/2018 09:15
Client: URSC013
Method: SW846 3541/8270D
Inst: MSD5.I
Analyst: JLD1
Aliquot: 30.39 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 8.3
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
53-70-3	Dibenzo(a,h)anthracene	U	35.9	ug/kg	10.8	35.9
132-64-9	Dibenzofuran	U	359	ug/kg	108	359
84-66-2	Diethylphthalate	U	35.9	ug/kg	10.8	35.9
131-11-3	Dimethylphthalate	U	35.9	ug/kg	10.8	35.9
122-39-4	Diphenylamine	U	359	ug/kg	108	359
206-44-0	Fluoranthene	U	35.9	ug/kg	10.8	35.9
86-73-7	Fluorene	U	35.9	ug/kg	10.8	35.9
118-74-1	Hexachlorobenzene	U	359	ug/kg	108	359
87-68-3	Hexachlorobutadiene	U	359	ug/kg	108	359
77-47-4	Hexachlorocyclopentadiene	U	359	ug/kg	108	359
67-72-1	Hexachloroethane	U	359	ug/kg	108	359
193-39-5	Indeno(1,2,3-cd)pyrene	U	35.9	ug/kg	10.8	35.9
78-59-1	Isophorone	U	359	ug/kg	108	359
621-64-7	N-Nitrosodipropylamine	U	359	ug/kg	108	359
91-20-3	Naphthalene	U	35.9	ug/kg	10.8	35.9
98-95-3	Nitrobenzene	U	359	ug/kg	108	359
87-86-5	Pentachlorophenol	U	359	ug/kg	108	359
85-01-8	Phenanthrene	U	35.9	ug/kg	10.8	35.9
108-95-2	Phenol	U	359	ug/kg	108	359
129-00-0	Pyrene	U	35.9	ug/kg	10.8	35.9
108-60-1	bis(2-Chloro-1-methylethyl)ether	U	359	ug/kg	108	359
111-91-1	bis(2-Chloroethoxy)methane	U	359	ug/kg	108	359
111-44-4	bis(2-Chloroethyl) ether	U	359	ug/kg	108	359
117-81-7	bis(2-Ethylhexyl)phthalate	U	35.9	ug/kg	10.8	35.9
65794-96-9	m,p-Cresols	U	359	ug/kg	108	359
99-09-2	m-Nitroaniline	U	359	ug/kg	108	359
95-48-7	o-Cresol	U	359	ug/kg	108	359
88-74-4	o-Nitroaniline	U	359	ug/kg	118	359
100-01-6	p-Nitroaniline	U	359	ug/kg	108	359

**Semi-Volatile
Certificate of Analysis
Sample Summary**

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SDG Number: 454944
Lab Sample ID: 454944004

Client ID: SW24
Batch ID: 1784536
Run Date: 07/23/2018 21:44
Prep Date: 07/23/2018 11:27
Data File: 072318.s\Ag2316.D

Date Collected: 07/18/2018 09:20
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 3541/8270D
Inst: MSDA.I
Analyst: LOF
Aliquot: 30.12 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 9.4
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
92-52-4	1,1'-Biphenyl	U	367	ug/kg	110	367
95-94-3	1,2,4,5-Tetrachlorobenzene	U	367	ug/kg	110	367
58-90-2	2,3,4,6-Tetrachlorophenol	U	367	ug/kg	110	367
95-95-4	2,4,5-Trichlorophenol	U	367	ug/kg	110	367
88-06-2	2,4,6-Trichlorophenol	U	367	ug/kg	110	367
120-83-2	2,4-Dichlorophenol	U	367	ug/kg	110	367
105-67-9	2,4-Dimethylphenol	U	367	ug/kg	110	367
51-28-5	2,4-Dinitrophenol	U	733	ug/kg	110	733
121-14-2	2,4-Dinitrotoluene	U	367	ug/kg	110	367
606-20-2	2,6-Dinitrotoluene	U	367	ug/kg	110	367
91-58-7	2-Chloronaphthalene	U	36.7	ug/kg	11.0	36.7
95-57-8	2-Chlorophenol	U	367	ug/kg	110	367
534-52-1	2-Methyl-4,6-dinitrophenol	U	367	ug/kg	110	367
91-57-6	2-Methylnaphthalene	U	36.7	ug/kg	11.0	36.7
88-75-5	2-Nitrophenol	U	367	ug/kg	110	367
91-94-1	3,3'-Dichlorobenzidine	U	367	ug/kg	110	367
101-55-3	4-Bromophenylphenylether	U	367	ug/kg	110	367
59-50-7	4-Chloro-3-methylphenol	U	367	ug/kg	147	367
106-47-8	4-Chloroaniline	U	367	ug/kg	110	367
7005-72-3	4-Chlorophenylphenylether	U	367	ug/kg	110	367
100-02-7	4-Nitrophenol	U	367	ug/kg	110	367
83-32-9	Acenaphthene	U	36.7	ug/kg	11.0	36.7
208-96-8	Acenaphthylene	U	36.7	ug/kg	11.0	36.7
98-86-2	Acetophenone	U	367	ug/kg	110	367
120-12-7	Anthracene	U	36.7	ug/kg	11.0	36.7
1912-24-9	Atrazine	U	367	ug/kg	147	367
100-52-7	Benzaldehyde	U	367	ug/kg	110	367
56-55-3	Benzo(a)anthracene	U	36.7	ug/kg	11.0	36.7
50-32-8	Benzo(a)pyrene	U	36.7	ug/kg	11.0	36.7
205-99-2	Benzo(b)fluoranthene	U	36.7	ug/kg	11.0	36.7
191-24-2	Benzo(ghi)perylene	U	36.7	ug/kg	11.0	36.7
207-08-9	Benzo(k)fluoranthene	U	36.7	ug/kg	11.0	36.7
85-68-7	Butylbenzylphthalate	U	36.7	ug/kg	11.0	36.7
105-60-2	Caprolactam	U	367	ug/kg	110	367
86-74-8	Carbazole	U	36.7	ug/kg	11.0	36.7
218-01-9	Chrysene	U	36.7	ug/kg	11.0	36.7
84-74-2	Di-n-butylphthalate	U	36.7	ug/kg	11.0	36.7
117-84-0	Di-n-octylphthalate	U	36.7	ug/kg	11.0	36.7

**Semi-Volatile
Certificate of Analysis
Sample Summary**

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SDG Number: 454944
Lab Sample ID: 454944004
Client ID: SW24
Batch ID: 1784536
Run Date: 07/23/2018 21:44
Prep Date: 07/23/2018 11:27
Data File: 072318.s\Ag2316.D

Date Collected: 07/18/2018 09:20
Date Received: 07/19/2018 08:55
Client: URSC013
Method: SW846 3541/8270D
Inst: MSDA.I
Analyst: LOF
Aliquot: 30.12 g
Column: DB-5ms

Matrix: SOIL
%Moisture: 9.4
Project: URSC00114
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
53-70-3	Dibenzo(a,h)anthracene	U	36.7	ug/kg	11.0	36.7
132-64-9	Dibenzofuran	U	367	ug/kg	110	367
84-66-2	Diethylphthalate	U	36.7	ug/kg	11.0	36.7
131-11-3	Dimethylphthalate	U	36.7	ug/kg	11.0	36.7
122-39-4	Diphenylamine	U	367	ug/kg	110	367
206-44-0	Fluoranthene	U	36.7	ug/kg	11.0	36.7
86-73-7	Fluorene	U	36.7	ug/kg	11.0	36.7
118-74-1	Hexachlorobenzene	U	367	ug/kg	110	367
87-68-3	Hexachlorobutadiene	U	367	ug/kg	110	367
77-47-4	Hexachlorocyclopentadiene	U	367	ug/kg	110	367
67-72-1	Hexachloroethane	U	367	ug/kg	110	367
193-39-5	Indeno(1,2,3-cd)pyrene	U	36.7	ug/kg	11.0	36.7
78-59-1	Isophorone	U	367	ug/kg	110	367
621-64-7	N-Nitrosodipropylamine	U	367	ug/kg	110	367
91-20-3	Naphthalene	U	36.7	ug/kg	11.0	36.7
98-95-3	Nitrobenzene	U	367	ug/kg	110	367
87-86-5	Pentachlorophenol	U	367	ug/kg	110	367
85-01-8	Phenanthrene	U	36.7	ug/kg	11.0	36.7
108-95-2	Phenol	U	367	ug/kg	110	367
129-00-0	Pyrene	U	36.7	ug/kg	11.0	36.7
108-60-1	bis(2-Chloro-1-methylethyl)ether	U	367	ug/kg	110	367
111-91-1	bis(2-Chloroethoxy)methane	U	367	ug/kg	110	367
111-44-4	bis(2-Chloroethyl) ether	U	367	ug/kg	110	367
117-81-7	bis(2-Ethylhexyl)phthalate	U	36.7	ug/kg	11.0	36.7
65794-96-9	m,p-Cresols	U	367	ug/kg	110	367
99-09-2	m-Nitroaniline	U	367	ug/kg	110	367
95-48-7	o-Cresol	U	367	ug/kg	110	367
88-74-4	o-Nitroaniline	U	367	ug/kg	121	367
100-01-6	p-Nitroaniline	U	367	ug/kg	110	367

ATTACHMENT 4

Laboratory Analytical Results

METALS

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 455067

METHOD TYPE: SW846

SAMPLE ID: 455067006

CLIENT ID: S01

CONTRACT: URSC00114

MATRIX: Soil

DATE RECEIVED 20-JUL-18

LEVEL: Low %SOLIDS: 92.6

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7440-36-0	Antimony	1.73	mg/kg	U	N	P	1.73	5	OPTIMA3	072518-3
7440-38-2	Arsenic	6.96	mg/kg		*	MS	0.344	2	ICPMS14	180723-4
7440-39-3	Barium	60.2	mg/kg		*N	P	0.105	1	OPTIMA3	072318-1
7440-43-9	Cadmium	0.105	mg/kg	U		P	0.105	1	OPTIMA3	072318-1
7440-47-3	Chromium	12.6	mg/kg			P	0.158	1	OPTIMA3	072318-1
7440-48-4	Cobalt	10.7	mg/kg		N	P	0.158	1	OPTIMA3	072318-1
7439-89-6	Iron	23200	mg/kg		*	P	8.41	1	OPTIMA3	072318-1
7439-92-1	Lead	11.5	mg/kg			P	0.347	1	OPTIMA3	072318-1
7439-96-5	Manganese	415	mg/kg			P	0.21	1	OPTIMA3	072318-1
7439-97-6	Mercury	0.0238	mg/kg			AV	0.00407	1	HG4	072418WS1-1
7440-02-0	Nickel	25.1	mg/kg		N	P	0.158	1	OPTIMA3	072318-1
7782-49-2	Selenium	0.775	mg/kg	B		MS	0.367	2	ICPMS14	180723-4
7440-22-4	Silver	0.614	mg/kg			P	0.105	1	OPTIMA3	072318-1
7440-28-0	Thallium	0.143	mg/kg	U		MS	0.143	2	ICPMS14	180723-4
7440-66-6	Zinc	50.3	mg/kg		N	P	0.42	1	OPTIMA3	072318-1

*Analytical Methods:

MS SW846 3050B/6020
P SW846 3050B/6010D
AV SW846 7471A

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 455067

METHOD TYPE: SW846

SAMPLE ID: 455067014

CLIENT ID: S02

CONTRACT: URSC00114

MATRIX:Soil

DATE RECEIVED 20-JUL-18

LEVEL: Low **%SOLIDS:** 92.1

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7440-36-0	Antimony	1.74	mg/kg	U	N	P	1.74	5	OPTIMA3	072518-3
7440-38-2	Arsenic	7.14	mg/kg		*	MS	0.356	2	ICPMS14	180723-4
7440-39-3	Barium	63.7	mg/kg		*N	P	0.105	1	OPTIMA3	072318-1
7440-43-9	Cadmium	0.105	mg/kg	U		P	0.105	1	OPTIMA3	072318-1
7440-47-3	Chromium	10.6	mg/kg			P	0.158	1	OPTIMA3	072318-1
7440-48-4	Cobalt	9.79	mg/kg		N	P	0.158	1	OPTIMA3	072318-1
7439-89-6	Iron	20100	mg/kg		*	P	8.42	1	OPTIMA3	072318-1
7439-92-1	Lead	10.9	mg/kg			P	0.347	1	OPTIMA3	072318-1
7439-96-5	Manganese	395	mg/kg			P	0.21	1	OPTIMA3	072318-1
7439-97-6	Mercury	0.02	mg/kg			AV	0.00372	1	HG4	072418WS1-9
7440-02-0	Nickel	22.7	mg/kg		N	P	0.158	1	OPTIMA3	072318-1
7782-49-2	Selenium	0.671	mg/kg	B		MS	0.379	2	ICPMS14	180723-4
7440-22-4	Silver	0.569	mg/kg			P	0.105	1	OPTIMA3	072318-1
7440-28-0	Thallium	0.148	mg/kg	U		MS	0.148	2	ICPMS14	180723-4
7440-66-6	Zinc	50.7	mg/kg		N	P	0.421	1	OPTIMA3	072318-1

***Analytical Methods:**

MS SW846 3050B/6020
P SW846 3050B/6010D
AV SW846 7471A

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 455067

METHOD TYPE: SW846

SAMPLE ID: 455067013

CLIENT ID: S03

CONTRACT: URSC00114

MATRIX: Soil

DATE RECEIVED 20-JUL-18

LEVEL: Low %SOLIDS: 92.3

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7440-36-0	Antimony	1.73	mg/kg	U	N	P	1.73	5	OPTIMA3	072518-3
7440-38-2	Arsenic	7.91	mg/kg		*	MS	0.332	2	ICPMS14	180723-4
7440-39-3	Barium	60.4	mg/kg		*N	P	0.105	1	OPTIMA3	072318-1
7440-43-9	Cadmium	0.105	mg/kg	U		P	0.105	1	OPTIMA3	072318-1
7440-47-3	Chromium	11.3	mg/kg			P	0.157	1	OPTIMA3	072318-1
7440-48-4	Cobalt	9.94	mg/kg		N	P	0.157	1	OPTIMA3	072318-1
7439-89-6	Iron	21300	mg/kg		*	P	8.38	1	OPTIMA3	072318-1
7439-92-1	Lead	10.9	mg/kg			P	0.346	1	OPTIMA3	072318-1
7439-96-5	Manganese	407	mg/kg			P	0.209	1	OPTIMA3	072318-1
7439-97-6	Mercury	0.0273	mg/kg			AV	0.0043	1	HG4	072418WS1-9
7440-02-0	Nickel	23.1	mg/kg		N	P	0.157	1	OPTIMA3	072318-1
7782-49-2	Selenium	0.798	mg/kg	B		MS	0.354	2	ICPMS14	180723-4
7440-22-4	Silver	0.637	mg/kg			P	0.105	1	OPTIMA3	072318-1
7440-28-0	Thallium	0.138	mg/kg	U		MS	0.138	2	ICPMS14	180723-4
7440-66-6	Zinc	51.5	mg/kg		N	P	0.419	1	OPTIMA3	072318-1

*Analytical Methods:

MS SW846 3050B/6020
P SW846 3050B/6010D
AV SW846 7471A

METALS
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INORGANICS ANALYSIS DATA PACKAGE

SDG No: 455067

METHOD TYPE: SW846

SAMPLE ID: 455067010

CLIENT ID: S04

CONTRACT: URSC00114

MATRIX: Soil

DATE RECEIVED 20-JUL-18

LEVEL: Low %SOLIDS: 92.3

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7440-36-0	Antimony	1.77	mg/kg	U	N	P	1.77	5	OPTIMA3	072518-3
7440-38-2	Arsenic	6.86	mg/kg		*	MS	0.361	2	ICPMS14	180723-4
7440-39-3	Barium	47.2	mg/kg		*N	P	0.107	1	OPTIMA3	072318-1
7440-43-9	Cadmium	0.107	mg/kg	U		P	0.107	1	OPTIMA3	072318-1
7440-47-3	Chromium	9.74	mg/kg			P	0.161	1	OPTIMA3	072318-1
7440-48-4	Cobalt	8.94	mg/kg		N	P	0.161	1	OPTIMA3	072318-1
7439-89-6	Iron	18800	mg/kg		*	P	8.56	1	OPTIMA3	072318-1
7439-92-1	Lead	10.4	mg/kg			P	0.353	1	OPTIMA3	072318-1
7439-96-5	Manganese	381	mg/kg			P	0.214	1	OPTIMA3	072318-1
7439-97-6	Mercury	0.0271	mg/kg			AV	0.00386	1	HG4	072418WS1-1
7440-02-0	Nickel	20.6	mg/kg		N	P	0.161	1	OPTIMA3	072318-1
7782-49-2	Selenium	0.754	mg/kg	B		MS	0.385	2	ICPMS14	180723-4
7440-22-4	Silver	0.577	mg/kg			P	0.107	1	OPTIMA3	072318-1
7440-28-0	Thallium	0.15	mg/kg	U		MS	0.15	2	ICPMS14	180723-4
7440-66-6	Zinc	49.9	mg/kg		N	P	0.428	1	OPTIMA3	072318-1

*Analytical Methods:

MS SW846 3050B/6020
P SW846 3050B/6010D
AV SW846 7471A

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 454944

METHOD TYPE: SW846

SAMPLE ID: 454944005

CLIENT ID: S05

CONTRACT: URSC00114

MATRIX:Soil

DATE RECEIVED 19-JUL-18

LEVEL: Low **%SOLIDS:** 91.2

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	10600	mg/kg			P	7.23	1	OPTIMA3	072318-1
7440-36-0	Antimony	3.51	mg/kg	U		P	3.51	10	OPTIMA3	072418A-2
7440-38-2	Arsenic	9.41	mg/kg			P	0.531	1	OPTIMA3	072318-1
7440-39-3	Barium	83.1	mg/kg		N	P	0.106	1	OPTIMA3	072318-1
7440-41-7	Beryllium	0.744	mg/kg			P	0.106	1	OPTIMA3	072318-1
7440-43-9	Cadmium	0.106	mg/kg	U		P	0.106	1	OPTIMA3	072318-1
7440-70-2	Calcium	29400	mg/kg			P	8.5	1	OPTIMA3	072318-1
7440-47-3	Chromium	16.9	mg/kg			P	0.159	1	OPTIMA3	072318-1
7440-48-4	Cobalt	12.7	mg/kg			P	0.159	1	OPTIMA3	072318-1
7440-50-8	Copper	43.3	mg/kg		N	P	0.319	1	OPTIMA3	072318-1
7439-89-6	Iron	30200	mg/kg			P	8.5	1	OPTIMA3	072318-1
7439-92-1	Lead	12.1	mg/kg			P	0.351	1	OPTIMA3	072318-1
7439-95-4	Magnesium	14700	mg/kg			P	9.03	1	OPTIMA3	072318-1
7439-96-5	Manganese	551	mg/kg			P	0.213	1	OPTIMA3	072318-1
7439-97-6	Mercury	0.0276	mg/kg			AV	0.00424	1	HG4	072318WS1-4
7440-02-0	Nickel	29.9	mg/kg			P	0.159	1	OPTIMA3	072318-1
7440-09-7	Potassium	1840	mg/kg		N	P	6.8	1	OPTIMA3	072318-1
7782-49-2	Selenium	0.778	mg/kg	B	N	MS	0.364	2	ICPMS14	180723-3
7440-22-4	Silver	0.844	mg/kg			P	0.106	1	OPTIMA3	072318-1
7440-23-5	Sodium	88	mg/kg			P	7.44	1	OPTIMA3	072318-1
7440-28-0	Thallium	1.35	mg/kg	B		P	0.531	1	OPTIMA3	072318-1
7440-62-2	Vanadium	22	mg/kg			P	0.106	1	OPTIMA3	072318-1
7440-66-6	Zinc	84.2	mg/kg		N	P	0.425	1	OPTIMA3	072318-1

***Analytical Methods:**

MS SW846 3050B/6020
P SW846 3050B/6010D

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 454944

METHOD TYPE: SW846

SAMPLE ID: 454944003

CLIENT ID: S06

CONTRACT: URSC00114

MATRIX: Soil

DATE RECEIVED 19-JUL-18

LEVEL: Low %SOLIDS: 92.9

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	10700	mg/kg			P	7	1	OPTIMA3	072318-1
7440-36-0	Antimony	3.4	mg/kg	U		P	3.4	10	OPTIMA3	072418A-2
7440-38-2	Arsenic	8.36	mg/kg			P	0.515	1	OPTIMA3	072318-1
7440-39-3	Barium	93.6	mg/kg		N	P	0.103	1	OPTIMA3	072318-1
7440-41-7	Beryllium	0.791	mg/kg			P	0.103	1	OPTIMA3	072318-1
7440-43-9	Cadmium	0.103	mg/kg	U		P	0.103	1	OPTIMA3	072318-1
7440-70-2	Calcium	20300	mg/kg			P	8.23	1	OPTIMA3	072318-1
7440-47-3	Chromium	17.3	mg/kg			P	0.154	1	OPTIMA3	072318-1
7440-48-4	Cobalt	12.9	mg/kg			P	0.154	1	OPTIMA3	072318-1
7440-50-8	Copper	32.2	mg/kg		N	P	0.309	1	OPTIMA3	072318-1
7439-89-6	Iron	28600	mg/kg			P	8.23	1	OPTIMA3	072318-1
7439-92-1	Lead	12.6	mg/kg			P	0.34	1	OPTIMA3	072318-1
7439-95-4	Magnesium	10400	mg/kg			P	8.75	1	OPTIMA3	072318-1
7439-96-5	Manganese	463	mg/kg			P	0.206	1	OPTIMA3	072318-1
7439-97-6	Mercury	0.0301	mg/kg			AV	0.00423	1	HG4	072318WS1-4
7440-02-0	Nickel	30.3	mg/kg			P	0.154	1	OPTIMA3	072318-1
7440-09-7	Potassium	1840	mg/kg		N	P	6.59	1	OPTIMA3	072318-1
7782-49-2	Selenium	0.711	mg/kg	B	N	MS	0.354	2	ICPMS14	180723-3
7440-22-4	Silver	0.873	mg/kg			P	0.103	1	OPTIMA3	072318-1
7440-23-5	Sodium	86.2	mg/kg			P	7.2	1	OPTIMA3	072318-1
7440-28-0	Thallium	1.5	mg/kg	B		P	0.515	1	OPTIMA3	072318-1
7440-62-2	Vanadium	22.2	mg/kg			P	0.103	1	OPTIMA3	072318-1
7440-66-6	Zinc	56	mg/kg		N	P	0.412	1	OPTIMA3	072318-1

*Analytical Methods:

MS SW846 3050B/6020
P SW846 3050B/6010D

METALS
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INORGANICS ANALYSIS DATA PACKAGE

SDG No: 455067

METHOD TYPE: SW846

SAMPLE ID: 455067009

CLIENT ID: S07

CONTRACT: URSC00114

MATRIX: Soil

DATE RECEIVED 20-JUL-18

LEVEL: Low %SOLIDS: 92.5

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7440-36-0	Antimony	1.61	mg/kg	U	N	P	1.61	5	OPTIMA3	072518-3
7440-38-2	Arsenic	7.09	mg/kg		*	MS	0.353	2	ICPMS14	180723-4
7440-39-3	Barium	53.1	mg/kg		*N	P	0.0978	1	OPTIMA3	072318-1
7440-43-9	Cadmium	0.0978	mg/kg	U		P	0.0978	1	OPTIMA3	072318-1
7440-47-3	Chromium	10.4	mg/kg			P	0.147	1	OPTIMA3	072318-1
7440-48-4	Cobalt	9.29	mg/kg		N	P	0.147	1	OPTIMA3	072318-1
7439-89-6	Iron	18900	mg/kg		*	P	7.82	1	OPTIMA3	072318-1
7439-92-1	Lead	10.4	mg/kg			P	0.323	1	OPTIMA3	072318-1
7439-96-5	Manganese	380	mg/kg			P	0.196	1	OPTIMA3	072318-1
7439-97-6	Mercury	0.0252	mg/kg			AV	0.0042	1	HG4	072418WS1-1
7440-02-0	Nickel	21.2	mg/kg		N	P	0.147	1	OPTIMA3	072318-1
7782-49-2	Selenium	0.675	mg/kg	B		MS	0.376	2	ICPMS14	180723-4
7440-22-4	Silver	0.526	mg/kg			P	0.0978	1	OPTIMA3	072318-1
7440-28-0	Thallium	0.146	mg/kg	U		MS	0.146	2	ICPMS14	180723-4
7440-66-6	Zinc	49.9	mg/kg		N	P	0.391	1	OPTIMA3	072318-1

***Analytical Methods:**

MS SW846 3050B/6020
P SW846 3050B/6010D
AV SW846 7471A

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 455239

METHOD TYPE: SW846

SAMPLE ID: 455239009

CLIENT ID: S08

CONTRACT: URSC00114

MATRIX: Soil

DATE RECEIVED 24-JUL-18

LEVEL: Low %SOLIDS: 91.5

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	9270	mg/kg			P	7.36	1	OPTIMA4	072718-3
7440-36-0	Antimony	0.357	mg/kg	U		P	0.357	1	OPTIMA4	072718-3
7440-38-2	Arsenic	8.91	mg/kg			P	0.541	1	OPTIMA4	072718-3
7440-39-3	Barium	75.4	mg/kg			P	0.108	1	OPTIMA4	072718-3
7440-41-7	Beryllium	0.655	mg/kg			P	0.108	1	OPTIMA4	072718-3
7440-43-9	Cadmium	0.108	mg/kg	U		P	0.108	1	OPTIMA4	072718-3
7440-70-2	Calcium	19400	mg/kg			P	8.66	1	OPTIMA4	072718-3
7440-47-3	Chromium	13.7	mg/kg			P	0.162	1	OPTIMA4	072718-3
7440-48-4	Cobalt	11.7	mg/kg			P	0.162	1	OPTIMA4	072718-3
7440-50-8	Copper	27.9	mg/kg			P	0.325	1	OPTIMA4	072718-3
7439-89-6	Iron	24000	mg/kg			P	8.66	1	OPTIMA4	072718-3
7439-92-1	Lead	11.9	mg/kg			P	0.357	1	OPTIMA4	072718-3
7439-95-4	Magnesium	9050	mg/kg			P	9.2	1	OPTIMA4	072718-3
7439-96-5	Manganese	429	mg/kg			P	0.216	1	OPTIMA4	072718-3
7439-97-6	Mercury	0.0246	mg/kg			AV	0.0039	1	HG3	072618S9-6
7440-02-0	Nickel	25.9	mg/kg		N	P	0.162	1	OPTIMA4	072718-3
7440-09-7	Potassium	1660	mg/kg		N	P	6.92	1	OPTIMA4	072718-3
7782-49-2	Selenium	0.786	mg/kg	B		MS	0.378	2	ICPMS14	180726-5
7440-22-4	Silver	0.357	mg/kg	B		P	0.108	1	OPTIMA4	072718-3
7440-23-5	Sodium	112	mg/kg			P	7.57	1	OPTIMA4	072718-3
7440-28-0	Thallium	0.541	mg/kg	U		P	0.541	1	OPTIMA4	072718-3
7440-62-2	Vanadium	18.1	mg/kg			P	0.108	1	OPTIMA4	072718-3
7440-66-6	Zinc	50.8	mg/kg		N	P	0.433	1	OPTIMA4	072718-3

*Analytical Methods:

MS SW846 3050B/6020
P SW846 3050B/6010D

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 454944

METHOD TYPE: SW846

SAMPLE ID: 454944002

CLIENT ID: S09

CONTRACT: URSC00114

MATRIX: Soil

DATE RECEIVED 19-JUL-18

LEVEL: Low %SOLIDS: 93.7

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	10300	mg/kg			P	7.25	1	OPTIMA3	072318-1
7440-36-0	Antimony	3.52	mg/kg	U		P	3.52	10	OPTIMA3	072418A-2
7440-38-2	Arsenic	9.16	mg/kg			P	0.533	1	OPTIMA3	072318-1
7440-39-3	Barium	76.1	mg/kg		N	P	0.107	1	OPTIMA3	072318-1
7440-41-7	Beryllium	0.763	mg/kg			P	0.107	1	OPTIMA3	072318-1
7440-43-9	Cadmium	0.128	mg/kg	B		P	0.107	1	OPTIMA3	072318-1
7440-70-2	Calcium	24600	mg/kg			P	8.53	1	OPTIMA3	072318-1
7440-47-3	Chromium	16.9	mg/kg			P	0.16	1	OPTIMA3	072318-1
7440-48-4	Cobalt	13	mg/kg			P	0.16	1	OPTIMA3	072318-1
7440-50-8	Copper	41.8	mg/kg		N	P	0.32	1	OPTIMA3	072318-1
7439-89-6	Iron	29100	mg/kg			P	8.53	1	OPTIMA3	072318-1
7439-92-1	Lead	14.9	mg/kg			P	0.352	1	OPTIMA3	072318-1
7439-95-4	Magnesium	11700	mg/kg			P	9.06	1	OPTIMA3	072318-1
7439-96-5	Manganese	628	mg/kg			P	0.213	1	OPTIMA3	072318-1
7439-97-6	Mercury	0.0289	mg/kg			AV	0.00373	1	HG4	072318WS1-4
7440-02-0	Nickel	30.8	mg/kg			P	0.16	1	OPTIMA3	072318-1
7440-09-7	Potassium	1790	mg/kg		N	P	6.82	1	OPTIMA3	072318-1
7782-49-2	Selenium	0.768	mg/kg	B	N	MS	0.367	2	ICPMS14	180723-3
7440-22-4	Silver	0.803	mg/kg			P	0.107	1	OPTIMA3	072318-1
7440-23-5	Sodium	64.6	mg/kg			P	7.46	1	OPTIMA3	072318-1
7440-28-0	Thallium	1.29	mg/kg	B		P	0.533	1	OPTIMA3	072318-1
7440-62-2	Vanadium	22	mg/kg			P	0.107	1	OPTIMA3	072318-1
7440-66-6	Zinc	110	mg/kg		N	P	0.426	1	OPTIMA3	072318-1

*Analytical Methods:

MS SW846 3050B/6020
P SW846 3050B/6010D

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 454944

METHOD TYPE: SW846

SAMPLE ID: 454944010

CLIENT ID: S10

CONTRACT: URSC00114

MATRIX:Soil

DATE RECEIVED 19-JUL-18

LEVEL: Low **%SOLIDS:** 92.9

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	10600	mg/kg			P	7.08	1	OPTIMA3	072318-1
7440-36-0	Antimony	3.44	mg/kg	U		P	3.44	10	OPTIMA3	072418A-2
7440-38-2	Arsenic	9.05	mg/kg			P	0.521	1	OPTIMA3	072318-1
7440-39-3	Barium	68.5	mg/kg		N	P	0.104	1	OPTIMA3	072318-1
7440-41-7	Beryllium	0.759	mg/kg			P	0.104	1	OPTIMA3	072318-1
7440-43-9	Cadmium	0.104	mg/kg	U		P	0.104	1	OPTIMA3	072318-1
7440-70-2	Calcium	18500	mg/kg			P	8.33	1	OPTIMA3	072318-1
7440-47-3	Chromium	17.5	mg/kg			P	0.156	1	OPTIMA3	072318-1
7440-48-4	Cobalt	13.6	mg/kg			P	0.156	1	OPTIMA3	072318-1
7440-50-8	Copper	31.5	mg/kg		N	P	0.312	1	OPTIMA3	072318-1
7439-89-6	Iron	28600	mg/kg			P	8.33	1	OPTIMA3	072318-1
7439-92-1	Lead	15.3	mg/kg			P	0.344	1	OPTIMA3	072318-1
7439-95-4	Magnesium	10200	mg/kg			P	8.85	1	OPTIMA3	072318-1
7439-96-5	Manganese	436	mg/kg			P	0.208	1	OPTIMA3	072318-1
7439-97-6	Mercury	0.0242	mg/kg			AV	0.004	1	HG4	072318WS1-4
7440-02-0	Nickel	32.8	mg/kg			P	0.156	1	OPTIMA3	072318-1
7440-09-7	Potassium	1810	mg/kg		N	P	6.66	1	OPTIMA3	072318-1
7782-49-2	Selenium	0.745	mg/kg	B	N	MS	0.371	2	ICPMS14	180723-3
7440-22-4	Silver	0.877	mg/kg			P	0.104	1	OPTIMA3	072318-1
7440-23-5	Sodium	74.1	mg/kg			P	7.29	1	OPTIMA3	072318-1
7440-28-0	Thallium	1.46	mg/kg	B		P	0.521	1	OPTIMA3	072318-1
7440-62-2	Vanadium	21.6	mg/kg			P	0.104	1	OPTIMA3	072318-1
7440-66-6	Zinc	53.6	mg/kg		N	P	0.416	1	OPTIMA3	072318-1

***Analytical Methods:**

MS SW846 3050B/6020
P SW846 3050B/6010D

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 455067

METHOD TYPE: SW846

SAMPLE ID: 455067008

CLIENT ID: S11

CONTRACT: URSC00114

MATRIX:Soil

DATE RECEIVED 20-JUL-18

LEVEL: Low **%SOLIDS:** 92.5

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7440-36-0	Antimony	1.78	mg/kg	U	N	P	1.78	5	OPTIMA3	072518-3
7440-38-2	Arsenic	7.34	mg/kg		*	MS	0.345	2	ICPMS14	180723-4
7440-39-3	Barium	67	mg/kg		*N	P	0.108	1	OPTIMA3	072318-1
7440-43-9	Cadmium	0.108	mg/kg	U		P	0.108	1	OPTIMA3	072318-1
7440-47-3	Chromium	12.7	mg/kg			P	0.162	1	OPTIMA3	072318-1
7440-48-4	Cobalt	11.2	mg/kg		N	P	0.162	1	OPTIMA3	072318-1
7439-89-6	Iron	23500	mg/kg		*	P	8.65	1	OPTIMA3	072318-1
7439-92-1	Lead	12.6	mg/kg			P	0.357	1	OPTIMA3	072318-1
7439-96-5	Manganese	423	mg/kg			P	0.216	1	OPTIMA3	072318-1
7439-97-6	Mercury	0.0273	mg/kg			AV	0.00375	1	HG4	072418WS1-1
7440-02-0	Nickel	26.1	mg/kg		N	P	0.162	1	OPTIMA3	072318-1
7782-49-2	Selenium	0.842	mg/kg	B		MS	0.367	2	ICPMS14	180723-4
7440-22-4	Silver	0.694	mg/kg			P	0.108	1	OPTIMA3	072318-1
7440-28-0	Thallium	0.143	mg/kg	U		MS	0.143	2	ICPMS14	180723-4
7440-66-6	Zinc	56.6	mg/kg		N	P	0.433	1	OPTIMA3	072318-1

***Analytical Methods:**

MS SW846 3050B/6020
P SW846 3050B/6010D
AV SW846 7471A

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 455239

METHOD TYPE: SW846

SAMPLE ID: 455239007

CLIENT ID: S12

CONTRACT: URSC00114

MATRIX: Soil

DATE RECEIVED 24-JUL-18

LEVEL: Low %SOLIDS: 93.6

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	9660	mg/kg			P	6.53	1	OPTIMA4	072718-3
7440-36-0	Antimony	0.317	mg/kg	U		P	0.317	1	OPTIMA4	072718-3
7440-38-2	Arsenic	8.79	mg/kg			P	0.48	1	OPTIMA4	072718-3
7440-39-3	Barium	68.4	mg/kg			P	0.0961	1	OPTIMA4	072718-3
7440-41-7	Beryllium	0.642	mg/kg			P	0.0961	1	OPTIMA4	072718-3
7440-43-9	Cadmium	0.0961	mg/kg	U		P	0.0961	1	OPTIMA4	072718-3
7440-70-2	Calcium	36900	mg/kg			P	7.69	1	OPTIMA4	072718-3
7440-47-3	Chromium	14.3	mg/kg			P	0.144	1	OPTIMA4	072718-3
7440-48-4	Cobalt	11.3	mg/kg			P	0.144	1	OPTIMA4	072718-3
7440-50-8	Copper	28.8	mg/kg			P	0.288	1	OPTIMA4	072718-3
7439-89-6	Iron	24100	mg/kg			P	7.69	1	OPTIMA4	072718-3
7439-92-1	Lead	12	mg/kg			P	0.317	1	OPTIMA4	072718-3
7439-95-4	Magnesium	9180	mg/kg			P	8.17	1	OPTIMA4	072718-3
7439-96-5	Manganese	440	mg/kg			P	0.192	1	OPTIMA4	072718-3
7439-97-6	Mercury	0.0202	mg/kg			AV	0.00386	1	HG3	072618S9-6
7440-02-0	Nickel	26	mg/kg			N P	0.144	1	OPTIMA4	072718-3
7440-09-7	Potassium	1670	mg/kg			N P	6.15	1	OPTIMA4	072718-3
7782-49-2	Selenium	0.875	mg/kg	B		MS	0.381	2	ICPMS14	180726-5
7440-22-4	Silver	0.19	mg/kg	B		P	0.0961	1	OPTIMA4	072718-3
7440-23-5	Sodium	122	mg/kg			P	6.73	1	OPTIMA4	072718-3
7440-28-0	Thallium	0.48	mg/kg	U		P	0.48	1	OPTIMA4	072718-3
7440-62-2	Vanadium	18.1	mg/kg			P	0.0961	1	OPTIMA4	072718-3
7440-66-6	Zinc	62.4	mg/kg			N P	0.384	1	OPTIMA4	072718-3

*Analytical Methods:

MS SW846 3050B/6020
P SW846 3050B/6010D

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 450565

METHOD TYPE: SW846

SAMPLE ID: 450565001

CLIENT ID: S13

CONTRACT: URSC00114

MATRIX:Soil

DATE RECEIVED 19-MAY-18

LEVEL: Low **%SOLIDS:** 90.4

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	12000	mg/kg		*	P	7.47	1	OPTIMA4	052518-2
7440-36-0	Antimony	0.362	mg/kg	U		P	0.362	1	OPTIMA4	052518-2
7440-38-2	Arsenic	0.549	mg/kg	U		P	0.549	1	OPTIMA4	052518-2
7440-39-3	Barium	0.652	mg/kg			P	0.11	1	OPTIMA4	052518-2
7440-41-7	Beryllium	0.11	mg/kg	U		P	0.11	1	OPTIMA4	052518-2
7440-43-9	Cadmium	0.11	mg/kg	U		P	0.11	1	OPTIMA4	052518-2
7440-70-2	Calcium	37	mg/kg			P	8.78	1	OPTIMA4	052518-2
7440-47-3	Chromium	21.6	mg/kg		*N	P	0.165	1	OPTIMA4	052518-2
7440-48-4	Cobalt	0.165	mg/kg	U		P	0.165	1	OPTIMA4	052518-2
7440-50-8	Copper	4.29	mg/kg		*	P	0.329	1	OPTIMA4	052518-2
7439-89-6	Iron	56.3	mg/kg		*	P	8.78	1	OPTIMA4	052518-2
7439-92-1	Lead	0.754	mg/kg	B		P	0.362	1	OPTIMA4	052518-2
7439-95-4	Magnesium	352	mg/kg		*N	P	9.33	1	OPTIMA4	052518-2
7439-96-5	Manganese	10.3	mg/kg		*	P	0.22	1	OPTIMA4	052518-2
7439-97-6	Mercury	0.0306	mg/kg			AV	0.00434	1	HG3	052218S1-4
7440-02-0	Nickel	0.547	mg/kg	B		P	0.165	1	OPTIMA4	052518-2
7440-09-7	Potassium	7.03	mg/kg	U		P	7.03	1	OPTIMA4	052518-2
7782-49-2	Selenium	0.396	mg/kg	U		MS	0.396	2	ICPMS11	180522-3
7440-22-4	Silver	0.11	mg/kg	U		P	0.11	1	OPTIMA4	052518-2
7440-23-5	Sodium	27.7	mg/kg			P	7.69	1	OPTIMA4	052518-2
7440-28-0	Thallium	0.549	mg/kg	U		P	0.549	1	OPTIMA4	052518-2
7440-62-2	Vanadium	0.87	mg/kg		*	P	0.11	1	OPTIMA4	052518-2
7440-66-6	Zinc	21.1	mg/kg		*	P	0.439	1	OPTIMA4	052518-2

***Analytical Methods:**

P SW846 3050B/6010C
MS SW846 3050B/6020

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 454944

METHOD TYPE: SW846

SAMPLE ID: 454944006

CLIENT ID: S14

CONTRACT: URSC00114

MATRIX: Soil

DATE RECEIVED 19-JUL-18

LEVEL: Low %SOLIDS: 92.9

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	11600	mg/kg			P	7.25	1	OPTIMA3	072318-1
7440-36-0	Antimony	3.52	mg/kg	U		P	3.52	10	OPTIMA3	072418A-2
7440-38-2	Arsenic	8.89	mg/kg			P	0.533	1	OPTIMA3	072318-1
7440-39-3	Barium	153	mg/kg		N	P	0.107	1	OPTIMA3	072318-1
7440-41-7	Beryllium	0.847	mg/kg			P	0.107	1	OPTIMA3	072318-1
7440-43-9	Cadmium	0.107	mg/kg	U		P	0.107	1	OPTIMA3	072318-1
7440-70-2	Calcium	22200	mg/kg			P	8.53	1	OPTIMA3	072318-1
7440-47-3	Chromium	18.9	mg/kg			P	0.16	1	OPTIMA3	072318-1
7440-48-4	Cobalt	12.8	mg/kg			P	0.16	1	OPTIMA3	072318-1
7440-50-8	Copper	32.5	mg/kg		N	P	0.32	1	OPTIMA3	072318-1
7439-89-6	Iron	29300	mg/kg			P	8.53	1	OPTIMA3	072318-1
7439-92-1	Lead	12.5	mg/kg			P	0.352	1	OPTIMA3	072318-1
7439-95-4	Magnesium	10600	mg/kg			P	9.06	1	OPTIMA3	072318-1
7439-96-5	Manganese	488	mg/kg			P	0.213	1	OPTIMA3	072318-1
7439-97-6	Mercury	0.028	mg/kg			AV	0.0041	1	HG4	072318WS1-4
7440-02-0	Nickel	30.9	mg/kg			P	0.16	1	OPTIMA3	072318-1
7440-09-7	Potassium	2140	mg/kg		N	P	6.82	1	OPTIMA3	072318-1
7782-49-2	Selenium	0.84	mg/kg	B	N	MS	0.369	2	ICPMS14	180723-3
7440-22-4	Silver	0.888	mg/kg			P	0.107	1	OPTIMA3	072318-1
7440-23-5	Sodium	75.5	mg/kg			P	7.46	1	OPTIMA3	072318-1
7440-28-0	Thallium	1.47	mg/kg	B		P	0.533	1	OPTIMA3	072318-1
7440-62-2	Vanadium	23.9	mg/kg			P	0.107	1	OPTIMA3	072318-1
7440-66-6	Zinc	62.3	mg/kg		N	P	0.427	1	OPTIMA3	072318-1

*Analytical Methods:

MS SW846 3050B/6020
P SW846 3050B/6010D

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 454944

METHOD TYPE: SW846

SAMPLE ID: 454944007

CLIENT ID: S15

CONTRACT: URSC00114

MATRIX: Soil

DATE RECEIVED 19-JUL-18

LEVEL: Low %SOLIDS: 92.4

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	10000	mg/kg			P	7.21	1	OPTIMA3	072318-1
7440-36-0	Antimony	3.5	mg/kg	U		P	3.5	10	OPTIMA3	072418A-2
7440-38-2	Arsenic	8.45	mg/kg			P	0.53	1	OPTIMA3	072318-1
7440-39-3	Barium	68.3	mg/kg		N	P	0.106	1	OPTIMA3	072318-1
7440-41-7	Beryllium	0.772	mg/kg			P	0.106	1	OPTIMA3	072318-1
7440-43-9	Cadmium	0.106	mg/kg	U		P	0.106	1	OPTIMA3	072318-1
7440-70-2	Calcium	31900	mg/kg			P	8.49	1	OPTIMA3	072318-1
7440-47-3	Chromium	16.5	mg/kg			P	0.159	1	OPTIMA3	072318-1
7440-48-4	Cobalt	11.9	mg/kg			P	0.159	1	OPTIMA3	072318-1
7440-50-8	Copper	29.5	mg/kg		N	P	0.318	1	OPTIMA3	072318-1
7439-89-6	Iron	30800	mg/kg			P	8.49	1	OPTIMA3	072318-1
7439-92-1	Lead	13.5	mg/kg			P	0.35	1	OPTIMA3	072318-1
7439-95-4	Magnesium	14700	mg/kg			P	9.02	1	OPTIMA3	072318-1
7439-96-5	Manganese	854	mg/kg			P	0.212	1	OPTIMA3	072318-1
7439-97-6	Mercury	0.0301	mg/kg			AV	0.00385	1	HG4	072318WS1-4
7440-02-0	Nickel	29.1	mg/kg			P	0.159	1	OPTIMA3	072318-1
7440-09-7	Potassium	1840	mg/kg		N	P	6.79	1	OPTIMA3	072318-1
7782-49-2	Selenium	0.806	mg/kg	B	N	MS	0.369	2	ICPMS14	180723-3
7440-22-4	Silver	0.885	mg/kg			P	0.106	1	OPTIMA3	072318-1
7440-23-5	Sodium	62.6	mg/kg			P	7.43	1	OPTIMA3	072318-1
7440-28-0	Thallium	1.28	mg/kg	B		P	0.53	1	OPTIMA3	072318-1
7440-62-2	Vanadium	21.8	mg/kg			P	0.106	1	OPTIMA3	072318-1
7440-66-6	Zinc	50	mg/kg		N	P	0.424	1	OPTIMA3	072318-1

*Analytical Methods:

MS SW846 3050B/6020
P SW846 3050B/6010D

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 455067

METHOD TYPE: SW846

SAMPLE ID: 455067015

CLIENT ID: S16

CONTRACT: URSC00114

MATRIX: Soil

DATE RECEIVED 20-JUL-18

LEVEL: Low %SOLIDS: 92.5

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7440-36-0	Antimony	1.72	mg/kg	U	N	P	1.72	5	OPTIMA3	072518-3
7440-38-2	Arsenic	7.64	mg/kg		*	MS	0.338	2	ICPMS14	180723-4
7440-39-3	Barium	79.9	mg/kg		*N	P	0.105	1	OPTIMA3	072318-1
7440-43-9	Cadmium	0.105	mg/kg	U		P	0.105	1	OPTIMA3	072318-1
7440-47-3	Chromium	18	mg/kg			P	0.157	1	OPTIMA3	072318-1
7440-48-4	Cobalt	12.2	mg/kg		N	P	0.157	1	OPTIMA3	072318-1
7439-89-6	Iron	27400	mg/kg		*	P	8.36	1	OPTIMA3	072318-1
7439-92-1	Lead	12.8	mg/kg			P	0.345	1	OPTIMA3	072318-1
7439-96-5	Manganese	468	mg/kg			P	0.209	1	OPTIMA3	072318-1
7439-97-6	Mercury	0.0267	mg/kg			AV	0.00393	1	HG4	072418WS1-9
7440-02-0	Nickel	29.5	mg/kg		N	P	0.157	1	OPTIMA3	072318-1
7782-49-2	Selenium	0.839	mg/kg	B		MS	0.36	2	ICPMS14	180723-4
7440-22-4	Silver	0.843	mg/kg			P	0.105	1	OPTIMA3	072318-1
7440-28-0	Thallium	0.14	mg/kg	U		MS	0.14	2	ICPMS14	180723-4
7440-66-6	Zinc	58	mg/kg		N	P	0.418	1	OPTIMA3	072318-1

***Analytical Methods:**

MS SW846 3050B/6020
P SW846 3050B/6010D
AV SW846 7471A

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: August 20, 2018

Company : URS
Address : 2425 River Road (c/o SPRU DP)

Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: S17	Project: URSC00211
Sample ID: 456917001	Client ID: URSC013
Matrix: Soil	
Collect Date: 09-AUG-18 08:20	
Receive Date: 10-AUG-18	
Collector: Client	
Moisture: 7.5%	

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7471 Cold Vapor Hg in Solid "Dry Weight Corrected"												
Mercury		0.0262	0.00393	0.0117	mg/kg	54.2	1	MTM1	08/16/18	1059	1792876	1
Metals Analysis-ICP												
SW846 3050B/6010D Metals, Solid "Dry Weight Corrected"												
Aluminum		5310	6.97	20.5	mg/kg	94.9	1	TXT1	08/14/18	1918	1791514	2
Antimony	U	ND	0.338	1.03	mg/kg	94.9	1					
Arsenic		4.58	0.513	3.08	mg/kg	94.9	1					
Barium		30.6	0.103	0.513	mg/kg	94.9	1					
Beryllium	J	0.370	0.103	0.513	mg/kg	94.9	1					
Cadmium	J	0.230	0.103	0.513	mg/kg	94.9	1					
Calcium		12500	8.21	25.6	mg/kg	94.9	1					
Chromium		9.18	0.154	0.513	mg/kg	94.9	1					
Cobalt		7.93	0.154	0.513	mg/kg	94.9	1					
Copper		20.8	0.308	1.03	mg/kg	94.9	1					
Iron		15500	8.21	25.6	mg/kg	94.9	1					
Lead		11.9	0.338	1.03	mg/kg	94.9	1					
Magnesium		6170	8.72	30.8	mg/kg	94.9	1					
Manganese		317	0.205	1.03	mg/kg	94.9	1					
Nickel		17.8	0.154	0.513	mg/kg	94.9	1					
Potassium		754	6.56	25.6	mg/kg	94.9	1					
Silver	J	0.295	0.103	0.513	mg/kg	94.9	1					
Sodium		79.7	7.18	25.6	mg/kg	94.9	1					
Thallium	U	ND	0.513	2.05	mg/kg	94.9	1					
Vanadium		10.3	0.103	0.513	mg/kg	94.9	1					
Zinc		36.7	0.410	1.03	mg/kg	94.9	1					
Metals Analysis-ICP-MS												
6020 MIMICP SCAN Metals "Dry Weight Corrected"												
Selenium	J	0.651	0.373	1.04	mg/kg	95.8	2	SKJ	08/14/18	1408	1791506	3

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3050B	ICP-MS 3050BS PREP	SXW1	08/12/18	1110	1791505
SW846 3050B	SW846 3050B Prep	SXW1	08/12/18	1356	1791513
SW846 7471A Prep	EPA 7471A Mercury Prep Soil	AXS5	08/15/18	1600	1792873

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: August 20, 2018

Company : URS
Address : 2425 River Road (c/o SPRU DP)

Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: S18	Project: URSC00211
Sample ID: 456917002	Client ID: URSC013
Matrix: Soil	
Collect Date: 09-AUG-18 08:22	
Receive Date: 10-AUG-18	
Collector: Client	
Moisture: 8.67%	

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7471 Cold Vapor Hg in Solid "Dry Weight Corrected"												
Mercury		0.348	0.00385	0.0115	mg/kg	52.5	1	MTM1	08/16/18	1101	1792876	1
Metals Analysis-ICP												
SW846 3050B/6010D Metals, Solid "Dry Weight Corrected"												
Aluminum		7460	7.17	21.1	mg/kg	96.3	1	TXT1	08/14/18	1931	1791514	2
Antimony	U	ND	0.348	1.05	mg/kg	96.3	1					
Arsenic		6.81	0.527	3.16	mg/kg	96.3	1					
Barium		49.8	0.105	0.527	mg/kg	96.3	1					
Beryllium		0.544	0.105	0.527	mg/kg	96.3	1					
Cadmium	J	0.141	0.105	0.527	mg/kg	96.3	1					
Calcium		25200	8.44	26.4	mg/kg	96.3	1					
Chromium		12.0	0.158	0.527	mg/kg	96.3	1					
Cobalt		9.81	0.158	0.527	mg/kg	96.3	1					
Copper		24.7	0.316	1.05	mg/kg	96.3	1					
Iron		21500	8.44	26.4	mg/kg	96.3	1					
Lead		10.2	0.348	1.05	mg/kg	96.3	1					
Magnesium		9880	8.97	31.6	mg/kg	96.3	1					
Manganese		432	0.211	1.05	mg/kg	96.3	1					
Nickel		22.1	0.158	0.527	mg/kg	96.3	1					
Potassium		990	6.75	26.4	mg/kg	96.3	1					
Silver	J	0.321	0.105	0.527	mg/kg	96.3	1					
Sodium		175	7.38	26.4	mg/kg	96.3	1					
Thallium	U	ND	0.527	2.11	mg/kg	96.3	1					
Vanadium		15.6	0.105	0.527	mg/kg	96.3	1					
Zinc		56.2	0.422	1.05	mg/kg	96.3	1					
Metals Analysis-ICP-MS												
6020 MIMICP SCAN Metals "Dry Weight Corrected"												
Selenium	J	0.521	0.364	1.01	mg/kg	92.4	2	SKJ	08/14/18	1421	1791506	3

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3050B	ICP-MS 3050BS PREP	SXW1	08/12/18	1110	1791505
SW846 3050B	SW846 3050B Prep	SXW1	08/12/18	1356	1791513
SW846 7471A Prep	EPA 7471A Mercury Prep Soil	AXS5	08/15/18	1600	1792873

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 454944

METHOD TYPE: SW846

SAMPLE ID: 454944008

CLIENT ID: S19

CONTRACT: URSC00114

MATRIX: Soil

DATE RECEIVED 19-JUL-18

LEVEL: Low %SOLIDS: 91.4

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	12200	mg/kg			P	7.18	1	OPTIMA3	072318-1
7440-36-0	Antimony	3.49	mg/kg	U		P	3.49	10	OPTIMA3	072418A-2
7440-38-2	Arsenic	8.69	mg/kg			P	0.528	1	OPTIMA3	072318-1
7440-39-3	Barium	109	mg/kg		N	P	0.106	1	OPTIMA3	072318-1
7440-41-7	Beryllium	0.863	mg/kg			P	0.106	1	OPTIMA3	072318-1
7440-43-9	Cadmium	0.106	mg/kg	U		P	0.106	1	OPTIMA3	072318-1
7440-70-2	Calcium	19800	mg/kg			P	8.45	1	OPTIMA3	072318-1
7440-47-3	Chromium	19.4	mg/kg			P	0.158	1	OPTIMA3	072318-1
7440-48-4	Cobalt	12.7	mg/kg			P	0.158	1	OPTIMA3	072318-1
7440-50-8	Copper	32.7	mg/kg		N	P	0.317	1	OPTIMA3	072318-1
7439-89-6	Iron	30100	mg/kg			P	8.45	1	OPTIMA3	072318-1
7439-92-1	Lead	12.9	mg/kg			P	0.349	1	OPTIMA3	072318-1
7439-95-4	Magnesium	10700	mg/kg			P	8.98	1	OPTIMA3	072318-1
7439-96-5	Manganese	466	mg/kg			P	0.211	1	OPTIMA3	072318-1
7439-97-6	Mercury	0.0295	mg/kg			AV	0.0039	1	HG4	072318WS1-4
7440-02-0	Nickel	31.1	mg/kg			P	0.158	1	OPTIMA3	072318-1
7440-09-7	Potassium	2230	mg/kg		N	P	6.76	1	OPTIMA3	072318-1
7782-49-2	Selenium	0.855	mg/kg	B	N	MS	0.392	2	ICPMS14	180723-3
7440-22-4	Silver	0.915	mg/kg			P	0.106	1	OPTIMA3	072318-1
7440-23-5	Sodium	74.2	mg/kg			P	7.4	1	OPTIMA3	072318-1
7440-28-0	Thallium	1.35	mg/kg	B		P	0.528	1	OPTIMA3	072318-1
7440-62-2	Vanadium	24.3	mg/kg			P	0.106	1	OPTIMA3	072318-1
7440-66-6	Zinc	56.8	mg/kg		N	P	0.423	1	OPTIMA3	072318-1

*Analytical Methods:

MS SW846 3050B/6020
P SW846 3050B/6010D

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 450565

METHOD TYPE: SW846

SAMPLE ID: 450565002

CLIENT ID: SHS01

CONTRACT: URSC00114

MATRIX:Soil

DATE RECEIVED 19-MAY-18

LEVEL: Low **%SOLIDS:** 79

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	33.9	mg/kg		*	P	8.5	1	OPTIMA4	052518-2
7440-36-0	Antimony	0.462	mg/kg	B		P	0.412	1	OPTIMA4	052518-2
7440-38-2	Arsenic	0.625	mg/kg	U		P	0.625	1	OPTIMA4	052518-2
7440-39-3	Barium	0.844	mg/kg			P	0.125	1	OPTIMA4	052518-2
7440-41-7	Beryllium	0.125	mg/kg	U		P	0.125	1	OPTIMA4	052518-2
7440-43-9	Cadmium	0.125	mg/kg	U		P	0.125	1	OPTIMA4	052518-2
7440-70-2	Calcium	88.2	mg/kg			P	10	1	OPTIMA4	052518-2
7440-47-3	Chromium	0.82	mg/kg		*N	P	0.187	1	OPTIMA4	052518-2
7440-48-4	Cobalt	0.187	mg/kg	U		P	0.187	1	OPTIMA4	052518-2
7440-50-8	Copper	2.2	mg/kg		*	P	0.375	1	OPTIMA4	052518-2
7439-89-6	Iron	14.8	mg/kg	B	*	P	10	1	OPTIMA4	052518-2
7439-92-1	Lead	26.2	mg/kg			P	0.412	1	OPTIMA4	052518-2
7439-95-4	Magnesium	10.6	mg/kg	U	*N	P	10.6	1	OPTIMA4	052518-2
7439-96-5	Manganese	0.353	mg/kg	B	*	P	0.25	1	OPTIMA4	052518-2
7439-97-6	Mercury	0.0293	mg/kg			AV	0.00505	1	HG3	052218S1-4
7440-02-0	Nickel	0.23	mg/kg	B		P	0.187	1	OPTIMA4	052518-2
7440-09-7	Potassium	8	mg/kg	U		P	8	1	OPTIMA4	052518-2
7782-49-2	Selenium	0.439	mg/kg	U		MS	0.439	2	ICPMS11	180522-3
7440-22-4	Silver	0.125	mg/kg	U		P	0.125	1	OPTIMA4	052518-2
7440-23-5	Sodium	29.4	mg/kg	B		P	8.75	1	OPTIMA4	052518-2
7440-28-0	Thallium	0.625	mg/kg	U		P	0.625	1	OPTIMA4	052518-2
7440-62-2	Vanadium	0.125	mg/kg	U	*	P	0.125	1	OPTIMA4	052518-2
7440-66-6	Zinc	22.7	mg/kg		*	P	0.5	1	OPTIMA4	052518-2

***Analytical Methods:**

P SW846 3050B/6010C
MS SW846 3050B/6020

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 454474

METHOD TYPE: SW846

SAMPLE ID: 454474001

CLIENT ID: SHS01

CONTRACT: URSC00114

MATRIX: Soil

DATE RECEIVED 12-JUL-18

LEVEL: Low %SOLIDS: 96.9

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	9800	mg/kg			P	6.92	1	OPTIMA3	072318-1
7440-36-0	Antimony	3.36	mg/kg	U	N	P	3.36	10	OPTIMA3	072318-1
7440-38-2	Arsenic	8.21	mg/kg			P	0.509	1	OPTIMA3	072318-1
7440-39-3	Barium	52.7	mg/kg		*N	P	0.102	1	OPTIMA3	072318-1
7440-41-7	Beryllium	0.626	mg/kg			P	0.102	1	OPTIMA3	072318-1
7440-43-9	Cadmium	0.102	mg/kg	U		P	0.102	1	OPTIMA3	072318-1
7440-70-2	Calcium	17000	mg/kg			P	8.14	1	OPTIMA3	072318-1
7440-47-3	Chromium	16.1	mg/kg			P	0.153	1	OPTIMA3	072318-1
7440-48-4	Cobalt	12	mg/kg			P	0.153	1	OPTIMA3	072318-1
7440-50-8	Copper	32.7	mg/kg			P	0.305	1	OPTIMA3	072318-1
7439-89-6	Iron	27100	mg/kg			P	8.14	1	OPTIMA3	072318-1
7439-92-1	Lead	13.6	mg/kg			P	0.336	1	OPTIMA3	072318-1
7439-95-4	Magnesium	9570	mg/kg			P	8.65	1	OPTIMA3	072318-1
7439-96-5	Manganese	478	mg/kg			P	0.204	1	OPTIMA3	072318-1
7439-97-6	Mercury	0.00415	mg/kg	U		AV	0.00415	1	HG3	072618S9-3
7440-02-0	Nickel	28.5	mg/kg			P	0.153	1	OPTIMA3	072318-1
7440-09-7	Potassium	977	mg/kg		N	P	6.51	1	OPTIMA3	072318-1
7782-49-2	Selenium	0.818	mg/kg	B		MS	0.346	2	ICPMS14	180720-2
7440-22-4	Silver	0.751	mg/kg			P	0.102	1	OPTIMA3	072318-1
7440-23-5	Sodium	51.4	mg/kg			P	7.12	1	OPTIMA3	072318-1
7440-28-0	Thallium	1.3	mg/kg	B	N	P	0.509	1	OPTIMA3	072318-1
7440-62-2	Vanadium	19.5	mg/kg			P	0.102	1	OPTIMA3	072318-1
7440-66-6	Zinc	58.3	mg/kg			P	0.407	1	OPTIMA3	072318-1

*Analytical Methods:

MS SW846 3050B/6020
P SW846 3050B/6010D

METALS
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INORGANICS ANALYSIS DATA PACKAGE

SDG No: 454474

METHOD TYPE: SW846

SAMPLE ID: 454474002

CLIENT ID: SET01

CONTRACT: URSC00114

MATRIX: Soil

DATE RECEIVED 12-JUL-18

LEVEL: Low %SOLIDS: 96.8

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	10000	mg/kg			P	7.04	1	OPTIMA3	072318-1
7440-36-0	Antimony	3.41	mg/kg	U	N	P	3.41	10	OPTIMA3	072318-1
7440-38-2	Arsenic	8.52	mg/kg			P	0.517	1	OPTIMA3	072318-1
7440-39-3	Barium	74.1	mg/kg		*N	P	0.103	1	OPTIMA3	072318-1
7440-41-7	Beryllium	0.701	mg/kg			P	0.103	1	OPTIMA3	072318-1
7440-43-9	Cadmium	0.103	mg/kg	U		P	0.103	1	OPTIMA3	072318-1
7440-70-2	Calcium	22100	mg/kg			P	8.28	1	OPTIMA3	072318-1
7440-47-3	Chromium	16.8	mg/kg			P	0.155	1	OPTIMA3	072318-1
7440-48-4	Cobalt	13.3	mg/kg			P	0.155	1	OPTIMA3	072318-1
7440-50-8	Copper	33.6	mg/kg			P	0.31	1	OPTIMA3	072318-1
7439-89-6	Iron	28300	mg/kg			P	8.28	1	OPTIMA3	072318-1
7439-92-1	Lead	13.8	mg/kg			P	0.341	1	OPTIMA3	072318-1
7439-95-4	Magnesium	10200	mg/kg			P	8.79	1	OPTIMA3	072318-1
7439-96-5	Manganese	524	mg/kg			P	0.207	1	OPTIMA3	072318-1
7439-97-6	Mercury	0.179	mg/kg			AV	0.00375	1	HG3	072618S9-3
7440-02-0	Nickel	31.6	mg/kg			P	0.155	1	OPTIMA3	072318-1
7440-09-7	Potassium	1260	mg/kg		N	P	6.62	1	OPTIMA3	072318-1
7782-49-2	Selenium	0.779	mg/kg	B		MS	0.341	2	ICPMS14	180720-2
7440-22-4	Silver	0.728	mg/kg			P	0.103	1	OPTIMA3	072318-1
7440-23-5	Sodium	66.9	mg/kg			P	7.24	1	OPTIMA3	072318-1
7440-28-0	Thallium	1.25	mg/kg	B	N	P	0.517	1	OPTIMA3	072318-1
7440-62-2	Vanadium	21.5	mg/kg			P	0.103	1	OPTIMA3	072318-1
7440-66-6	Zinc	59.1	mg/kg			P	0.414	1	OPTIMA3	072318-1

*Analytical Methods:

MS SW846 3050B/6020
P SW846 3050B/6010D

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 454715

METHOD TYPE: SW846

SAMPLE ID: 454715001

CLIENT ID: SW01

CONTRACT: URSC00114

MATRIX: Soil

DATE RECEIVED 17-JUL-18

LEVEL: Low %SOLIDS: 92.4

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	8530	mg/kg			P	7.1	1	OPTIMA3	072318-1
7440-36-0	Antimony	3.45	mg/kg	U	*N	P	3.45	10	OPTIMA3	072318-1
7440-38-2	Arsenic	9.13	mg/kg			P	0.522	1	OPTIMA3	072318-1
7440-39-3	Barium	50.3	mg/kg		N	P	0.104	1	OPTIMA3	072318-1
7440-41-7	Beryllium	0.594	mg/kg			P	0.104	1	OPTIMA3	072318-1
7440-43-9	Cadmium	0.104	mg/kg	U		P	0.104	1	OPTIMA3	072318-1
7440-70-2	Calcium	20000	mg/kg			P	8.36	1	OPTIMA3	072318-1
7440-47-3	Chromium	14.5	mg/kg			P	0.157	1	OPTIMA3	072318-1
7440-48-4	Cobalt	12.9	mg/kg			P	0.157	1	OPTIMA3	072318-1
7440-50-8	Copper	31.1	mg/kg			P	0.313	1	OPTIMA3	072318-1
7439-89-6	Iron	24700	mg/kg			P	8.36	1	OPTIMA3	072318-1
7439-92-1	Lead	18	mg/kg		N	P	0.345	1	OPTIMA3	072318-1
7439-95-4	Magnesium	9190	mg/kg			P	8.88	1	OPTIMA3	072318-1
7439-96-5	Manganese	405	mg/kg			P	0.209	1	OPTIMA3	072318-1
7439-97-6	Mercury	0.0245	mg/kg			AV	0.00426	1	HG4	071918WS1-3
7440-02-0	Nickel	29.8	mg/kg		N	P	0.157	1	OPTIMA3	072318-1
7440-09-7	Potassium	1120	mg/kg		N	P	6.68	1	OPTIMA3	072318-1
7782-49-2	Selenium	0.863	mg/kg	B		MS	0.383	2	ICPMS14	180719-2
7440-22-4	Silver	0.645	mg/kg			P	0.104	1	OPTIMA3	072318-1
7440-23-5	Sodium	63.3	mg/kg			P	7.31	1	OPTIMA3	072318-1
7440-28-0	Thallium	1.15	mg/kg	B	N	P	0.522	1	OPTIMA3	072318-1
7440-62-2	Vanadium	17.4	mg/kg			P	0.104	1	OPTIMA3	072318-1
7440-66-6	Zinc	48	mg/kg			P	0.418	1	OPTIMA3	072318-1

*Analytical Methods:

MS SW846 3050B/6020
P SW846 3050B/6010D

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 454715

METHOD TYPE: SW846

SAMPLE ID: 454715002

CLIENT ID: SW02

CONTRACT: URSC00114

MATRIX: Soil

DATE RECEIVED 17-JUL-18

LEVEL: Low %SOLIDS: 92.7

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	9040	mg/kg			P	7.28	1	OPTIMA3	072318-1
7440-36-0	Antimony	3.53	mg/kg	U	*N	P	3.53	10	OPTIMA3	072318-1
7440-38-2	Arsenic	7.82	mg/kg			P	0.535	1	OPTIMA3	072318-1
7440-39-3	Barium	63.3	mg/kg		N	P	0.107	1	OPTIMA3	072318-1
7440-41-7	Beryllium	0.656	mg/kg			P	0.107	1	OPTIMA3	072318-1
7440-43-9	Cadmium	0.107	mg/kg	U		P	0.107	1	OPTIMA3	072318-1
7440-70-2	Calcium	21600	mg/kg			P	8.56	1	OPTIMA3	072318-1
7440-47-3	Chromium	14.8	mg/kg			P	0.16	1	OPTIMA3	072318-1
7440-48-4	Cobalt	11.1	mg/kg			P	0.16	1	OPTIMA3	072318-1
7440-50-8	Copper	29.5	mg/kg			P	0.321	1	OPTIMA3	072318-1
7439-89-6	Iron	25300	mg/kg			P	8.56	1	OPTIMA3	072318-1
7439-92-1	Lead	11.4	mg/kg		N	P	0.353	1	OPTIMA3	072318-1
7439-95-4	Magnesium	9720	mg/kg			P	9.09	1	OPTIMA3	072318-1
7439-96-5	Manganese	441	mg/kg			P	0.214	1	OPTIMA3	072318-1
7439-97-6	Mercury	0.0223	mg/kg			AV	0.00376	1	HG4	071918WS1-3
7440-02-0	Nickel	26.6	mg/kg		N	P	0.16	1	OPTIMA3	072318-1
7440-09-7	Potassium	1280	mg/kg		N	P	6.85	1	OPTIMA3	072318-1
7782-49-2	Selenium	0.876	mg/kg	B		MS	0.371	2	ICPMS14	180719-2
7440-22-4	Silver	0.627	mg/kg			P	0.107	1	OPTIMA3	072318-1
7440-23-5	Sodium	90.7	mg/kg			P	7.49	1	OPTIMA3	072318-1
7440-28-0	Thallium	1.12	mg/kg	B	N	P	0.535	1	OPTIMA3	072318-1
7440-62-2	Vanadium	18.9	mg/kg			P	0.107	1	OPTIMA3	072318-1
7440-66-6	Zinc	51.4	mg/kg			P	0.428	1	OPTIMA3	072318-1

*Analytical Methods:

MS SW846 3050B/6020
P SW846 3050B/6010D

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 454715

METHOD TYPE: SW846

SAMPLE ID: 454715003

CLIENT ID: SW03

CONTRACT: URSC00114

MATRIX: Soil

DATE RECEIVED 17-JUL-18

LEVEL: Low %SOLIDS: 91.5

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	8190	mg/kg			P	7.15	1	OPTIMA3	072318-1
7440-36-0	Antimony	3.47	mg/kg	U	*N	P	3.47	10	OPTIMA3	072318-1
7440-38-2	Arsenic	6.89	mg/kg			P	0.525	1	OPTIMA3	072318-1
7440-39-3	Barium	51.8	mg/kg		N	P	0.105	1	OPTIMA3	072318-1
7440-41-7	Beryllium	0.621	mg/kg			P	0.105	1	OPTIMA3	072318-1
7440-43-9	Cadmium	0.105	mg/kg	U		P	0.105	1	OPTIMA3	072318-1
7440-70-2	Calcium	19400	mg/kg			P	8.41	1	OPTIMA3	072318-1
7440-47-3	Chromium	13.5	mg/kg			P	0.158	1	OPTIMA3	072318-1
7440-48-4	Cobalt	10	mg/kg			P	0.158	1	OPTIMA3	072318-1
7440-50-8	Copper	26.6	mg/kg			P	0.315	1	OPTIMA3	072318-1
7439-89-6	Iron	23400	mg/kg			P	8.41	1	OPTIMA3	072318-1
7439-92-1	Lead	11	mg/kg		N	P	0.347	1	OPTIMA3	072318-1
7439-95-4	Magnesium	9240	mg/kg			P	8.93	1	OPTIMA3	072318-1
7439-96-5	Manganese	444	mg/kg			P	0.21	1	OPTIMA3	072318-1
7439-97-6	Mercury	0.0217	mg/kg			AV	0.00413	1	HG4	071918WS1-3
7440-02-0	Nickel	24.6	mg/kg		N	P	0.158	1	OPTIMA3	072318-1
7440-09-7	Potassium	1100	mg/kg		N	P	6.73	1	OPTIMA3	072318-1
7782-49-2	Selenium	0.815	mg/kg	B		MS	0.375	2	ICPMS14	180719-2
7440-22-4	Silver	0.588	mg/kg			P	0.105	1	OPTIMA3	072318-1
7440-23-5	Sodium	89.1	mg/kg			P	7.36	1	OPTIMA3	072318-1
7440-28-0	Thallium	1.16	mg/kg	B	N	P	0.525	1	OPTIMA3	072318-1
7440-62-2	Vanadium	17.2	mg/kg			P	0.105	1	OPTIMA3	072318-1
7440-66-6	Zinc	48.6	mg/kg			P	0.42	1	OPTIMA3	072318-1

*Analytical Methods:

MS SW846 3050B/6020
P SW846 3050B/6010D

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 455067

METHOD TYPE: SW846

SAMPLE ID: 455067011

CLIENT ID: SW04

CONTRACT: URSC00114

MATRIX: Soil

DATE RECEIVED 20-JUL-18

LEVEL: Low %SOLIDS: 92.3

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7440-36-0	Antimony	1.72	mg/kg	U	N	P	1.72	5	OPTIMA3	072518-3
7440-38-2	Arsenic	7.43	mg/kg		*	MS	0.349	2	ICPMS14	180723-4
7440-39-3	Barium	58.1	mg/kg		*N	P	0.104	1	OPTIMA3	072318-1
7440-43-9	Cadmium	0.104	mg/kg	U		P	0.104	1	OPTIMA3	072318-1
7440-47-3	Chromium	12.9	mg/kg			P	0.156	1	OPTIMA3	072318-1
7440-48-4	Cobalt	10.6	mg/kg		N	P	0.156	1	OPTIMA3	072318-1
7439-89-6	Iron	23600	mg/kg		*	P	8.33	1	OPTIMA3	072318-1
7439-92-1	Lead	11.5	mg/kg			P	0.344	1	OPTIMA3	072318-1
7439-96-5	Manganese	445	mg/kg			P	0.208	1	OPTIMA3	072318-1
7439-97-6	Mercury	0.0226	mg/kg			AV	0.00423	1	HG4	072418WS1-1
7440-02-0	Nickel	25	mg/kg		N	P	0.156	1	OPTIMA3	072318-1
7782-49-2	Selenium	0.808	mg/kg	B		MS	0.371	2	ICPMS14	180723-4
7440-22-4	Silver	0.725	mg/kg			P	0.104	1	OPTIMA3	072318-1
7440-28-0	Thallium	0.144	mg/kg	U		MS	0.144	2	ICPMS14	180723-4
7440-66-6	Zinc	54.3	mg/kg		N	P	0.417	1	OPTIMA3	072318-1

***Analytical Methods:**

MS SW846 3050B/6020
P SW846 3050B/6010D
AV SW846 7471A

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 455067

METHOD TYPE: SW846

SAMPLE ID: 455067012

CLIENT ID: SW05

CONTRACT: URSC00114

MATRIX: Soil

DATE RECEIVED 20-JUL-18

LEVEL: Low %SOLIDS: 92.7

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7440-36-0	Antimony	1.75	mg/kg	U	N	P	1.75	5	OPTIMA3	072518-3
7440-38-2	Arsenic	7.92	mg/kg		*	MS	0.36	2	ICPMS14	180723-4
7440-39-3	Barium	55.3	mg/kg		*N	P	0.106	1	OPTIMA3	072318-1
7440-43-9	Cadmium	0.106	mg/kg	U		P	0.106	1	OPTIMA3	072318-1
7440-47-3	Chromium	11.1	mg/kg			P	0.159	1	OPTIMA3	072318-1
7440-48-4	Cobalt	9.72	mg/kg		N	P	0.159	1	OPTIMA3	072318-1
7439-89-6	Iron	21400	mg/kg		*	P	8.5	1	OPTIMA3	072318-1
7439-92-1	Lead	10.9	mg/kg			P	0.351	1	OPTIMA3	072318-1
7439-96-5	Manganese	394	mg/kg			P	0.212	1	OPTIMA3	072318-1
7439-97-6	Mercury	0.0235	mg/kg			AV	0.004	1	HG4	072418WS1-1
7440-02-0	Nickel	22.7	mg/kg		N	P	0.159	1	OPTIMA3	072318-1
7782-49-2	Selenium	0.918	mg/kg	B		MS	0.383	2	ICPMS14	180723-4
7440-22-4	Silver	0.736	mg/kg			P	0.106	1	OPTIMA3	072318-1
7440-28-0	Thallium	0.149	mg/kg	U		MS	0.149	2	ICPMS14	180723-4
7440-66-6	Zinc	51.3	mg/kg		N	P	0.425	1	OPTIMA3	072318-1

***Analytical Methods:**

MS SW846 3050B/6020
P SW846 3050B/6010D
AV SW846 7471A

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 455239

METHOD TYPE: SW846

SAMPLE ID: 455239003

CLIENT ID: SW06

CONTRACT: URSC00114

MATRIX: Soil

DATE RECEIVED 24-JUL-18

LEVEL: Low %SOLIDS: 91.8

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	9760	mg/kg			P	6.95	1	OPTIMA4	072718-3
7440-36-0	Antimony	0.337	mg/kg	U		P	0.337	1	OPTIMA4	072718-3
7440-38-2	Arsenic	9.88	mg/kg			P	0.511	1	OPTIMA4	072718-3
7440-39-3	Barium	77.8	mg/kg			P	0.102	1	OPTIMA4	072718-3
7440-41-7	Beryllium	0.724	mg/kg			P	0.102	1	OPTIMA4	072718-3
7440-43-9	Cadmium	0.102	mg/kg	U		P	0.102	1	OPTIMA4	072718-3
7440-70-2	Calcium	20900	mg/kg			P	8.17	1	OPTIMA4	072718-3
7440-47-3	Chromium	14.7	mg/kg			P	0.153	1	OPTIMA4	072718-3
7440-48-4	Cobalt	11.8	mg/kg			P	0.153	1	OPTIMA4	072718-3
7440-50-8	Copper	29.2	mg/kg			P	0.307	1	OPTIMA4	072718-3
7439-89-6	Iron	25500	mg/kg			P	8.17	1	OPTIMA4	072718-3
7439-92-1	Lead	12.5	mg/kg			P	0.337	1	OPTIMA4	072718-3
7439-95-4	Magnesium	9810	mg/kg			P	8.68	1	OPTIMA4	072718-3
7439-96-5	Manganese	453	mg/kg			P	0.204	1	OPTIMA4	072718-3
7439-97-6	Mercury	0.0258	mg/kg			AV	0.00397	1	HG3	072618S9-6
7440-02-0	Nickel	27.1	mg/kg			N P	0.153	1	OPTIMA4	072718-3
7440-09-7	Potassium	1720	mg/kg			N P	6.54	1	OPTIMA4	072718-3
7782-49-2	Selenium	0.818	mg/kg	B		MS	0.384	2	ICPMS14	180726-5
7440-22-4	Silver	0.323	mg/kg	B		P	0.102	1	OPTIMA4	072718-3
7440-23-5	Sodium	134	mg/kg			P	7.15	1	OPTIMA4	072718-3
7440-28-0	Thallium	0.511	mg/kg	U		P	0.511	1	OPTIMA4	072718-3
7440-62-2	Vanadium	20.2	mg/kg			P	0.102	1	OPTIMA4	072718-3
7440-66-6	Zinc	54.8	mg/kg			N P	0.409	1	OPTIMA4	072718-3

***Analytical Methods:**

MS SW846 3050B/6020
P SW846 3050B/6010D

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 455239

METHOD TYPE: SW846

SAMPLE ID: 455239004

CLIENT ID: SW06D

CONTRACT: URSC00114

MATRIX: Soil

DATE RECEIVED 24-JUL-18

LEVEL: Low %SOLIDS: 91.9

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	8990	mg/kg			P	7.31	1	OPTIMA4	072718-3
7440-36-0	Antimony	0.355	mg/kg	U		P	0.355	1	OPTIMA4	072718-3
7440-38-2	Arsenic	8.98	mg/kg			P	0.538	1	OPTIMA4	072718-3
7440-39-3	Barium	66.5	mg/kg			P	0.108	1	OPTIMA4	072718-3
7440-41-7	Beryllium	0.64	mg/kg			P	0.108	1	OPTIMA4	072718-3
7440-43-9	Cadmium	0.108	mg/kg	U		P	0.108	1	OPTIMA4	072718-3
7440-70-2	Calcium	21500	mg/kg			P	8.6	1	OPTIMA4	072718-3
7440-47-3	Chromium	13.6	mg/kg			P	0.161	1	OPTIMA4	072718-3
7440-48-4	Cobalt	10.8	mg/kg			P	0.161	1	OPTIMA4	072718-3
7440-50-8	Copper	27.6	mg/kg			P	0.323	1	OPTIMA4	072718-3
7439-89-6	Iron	24000	mg/kg			P	8.6	1	OPTIMA4	072718-3
7439-92-1	Lead	12	mg/kg			P	0.355	1	OPTIMA4	072718-3
7439-95-4	Magnesium	9390	mg/kg			P	9.14	1	OPTIMA4	072718-3
7439-96-5	Manganese	419	mg/kg			P	0.215	1	OPTIMA4	072718-3
7439-97-6	Mercury	0.023	mg/kg			AV	0.00368	1	HG3	072618S9-6
7440-02-0	Nickel	25.7	mg/kg		N	P	0.161	1	OPTIMA4	072718-3
7440-09-7	Potassium	1660	mg/kg		N	P	6.88	1	OPTIMA4	072718-3
7782-49-2	Selenium	0.877	mg/kg	B		MS	0.361	2	ICPMS14	180726-5
7440-22-4	Silver	0.274	mg/kg	B		P	0.108	1	OPTIMA4	072718-3
7440-23-5	Sodium	130	mg/kg			P	7.53	1	OPTIMA4	072718-3
7440-28-0	Thallium	0.538	mg/kg	U		P	0.538	1	OPTIMA4	072718-3
7440-62-2	Vanadium	18.8	mg/kg			P	0.108	1	OPTIMA4	072718-3
7440-66-6	Zinc	53.4	mg/kg		N	P	0.43	1	OPTIMA4	072718-3

*Analytical Methods:

MS SW846 3050B/6020
P SW846 3050B/6010D

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: August 20, 2018

Company : URS
Address : 2425 River Road (c/o SPRU DP)

Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: SW07	Project: URSC00211
Sample ID: 456917003	Client ID: URSC013
Matrix: Soil	
Collect Date: 09-AUG-18 08:24	
Receive Date: 10-AUG-18	
Collector: Client	
Moisture: 6.81%	

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7471 Cold Vapor Hg in Solid "Dry Weight Corrected"												
Mercury		0.0227	0.00386	0.0115	mg/kg	53.7	1	MTM1	08/16/18	1102	1792876	1
Metals Analysis-ICP												
SW846 3050B/6010D Metals, Solid "Dry Weight Corrected"												
Aluminum		6110	7.10	20.9	mg/kg	97.3	1	TXT1	08/14/18	1933	1791514	2
Antimony	U	ND	0.344	1.04	mg/kg	97.3	1					
Arsenic		4.97	0.522	3.13	mg/kg	97.3	1					
Barium		44.6	0.104	0.522	mg/kg	97.3	1					
Beryllium	J	0.378	0.104	0.522	mg/kg	97.3	1					
Cadmium	J	0.231	0.104	0.522	mg/kg	97.3	1					
Calcium		16400	8.35	26.1	mg/kg	97.3	1					
Chromium		9.78	0.157	0.522	mg/kg	97.3	1					
Cobalt		7.00	0.157	0.522	mg/kg	97.3	1					
Copper		19.9	0.313	1.04	mg/kg	97.3	1					
Iron		16800	8.35	26.1	mg/kg	97.3	1					
Lead		6.49	0.344	1.04	mg/kg	97.3	1					
Magnesium		6460	8.87	31.3	mg/kg	97.3	1					
Manganese		427	0.209	1.04	mg/kg	97.3	1					
Nickel		16.7	0.157	0.522	mg/kg	97.3	1					
Potassium		768	6.68	26.1	mg/kg	97.3	1					
Silver	J	0.275	0.104	0.522	mg/kg	97.3	1					
Sodium		178	7.31	26.1	mg/kg	97.3	1					
Thallium	U	ND	0.522	2.09	mg/kg	97.3	1					
Vanadium		12.0	0.104	0.522	mg/kg	97.3	1					
Zinc		43.8	0.418	1.04	mg/kg	97.3	1					
Metals Analysis-ICP-MS												
6020 MIMICP SCAN Metals "Dry Weight Corrected"												
Selenium	J	0.629	0.368	1.02	mg/kg	95.2	2	SKJ	08/14/18	1549	1791506	3

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3050B	ICP-MS 3050BS PREP	SXW1	08/12/18	1110	1791505
SW846 3050B	SW846 3050B Prep	SXW1	08/12/18	1356	1791513
SW846 7471A Prep	EPA 7471A Mercury Prep Soil	AXS5	08/15/18	1600	1792873

GEL LABORATORIES LLC

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Certificate of Analysis

Report Date: August 20, 2018

Company : URS
Address : 2425 River Road (c/o SPRU DP)

Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: SW08	Project: URSC00211
Sample ID: 456917004	Client ID: URSC013
Matrix: Soil	
Collect Date: 09-AUG-18 08:26	
Receive Date: 10-AUG-18	
Collector: Client	
Moisture: 9.8%	

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7471 Cold Vapor Hg in Solid "Dry Weight Corrected"												
Mercury		0.0186	0.00423	0.0126	mg/kg	56.9	1	MTM1	08/16/18	1107	1792876	1
Metals Analysis-ICP												
SW846 3050B/6010D Metals, Solid "Dry Weight Corrected"												
Aluminum		8150	7.29	21.4	mg/kg	96.7	1	TXT1	08/14/18	1935	1791514	2
Antimony	U	ND	0.354	1.07	mg/kg	96.7	1					
Arsenic		8.48	0.536	3.22	mg/kg	96.7	1					
Barium		57.6	0.107	0.536	mg/kg	96.7	1					
Beryllium		0.553	0.107	0.536	mg/kg	96.7	1					
Cadmium	J	0.242	0.107	0.536	mg/kg	96.7	1					
Calcium		20900	8.58	26.8	mg/kg	96.7	1					
Chromium		13.2	0.161	0.536	mg/kg	96.7	1					
Cobalt		10.2	0.161	0.536	mg/kg	96.7	1					
Copper		31.0	0.322	1.07	mg/kg	96.7	1					
Iron		22800	8.58	26.8	mg/kg	96.7	1					
Lead		9.86	0.354	1.07	mg/kg	96.7	1					
Magnesium		8600	9.11	32.2	mg/kg	96.7	1					
Manganese		477	0.214	1.07	mg/kg	96.7	1					
Nickel		23.8	0.161	0.536	mg/kg	96.7	1					
Potassium		1050	6.86	26.8	mg/kg	96.7	1					
Silver	J	0.482	0.107	0.536	mg/kg	96.7	1					
Sodium		256	7.51	26.8	mg/kg	96.7	1					
Thallium	U	ND	0.536	2.14	mg/kg	96.7	1					
Vanadium		16.6	0.107	0.536	mg/kg	96.7	1					
Zinc		83.0	0.429	1.07	mg/kg	96.7	1					
Metals Analysis-ICP-MS												
6020 MIMICP SCAN Metals "Dry Weight Corrected"												
Selenium	J	0.713	0.387	1.07	mg/kg	96.9	2	SKJ	08/14/18	1425	1791506	3

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3050B	ICP-MS 3050BS PREP	SXW1	08/12/18	1110	1791505
SW846 3050B	SW846 3050B Prep	SXW1	08/12/18	1356	1791513
SW846 7471A Prep	EPA 7471A Mercury Prep Soil	AXS5	08/15/18	1600	1792873

GEL LABORATORIES LLC

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Certificate of Analysis

Report Date: August 20, 2018

Company : URS
Address : 2425 River Road (c/o SPRU DP)

Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: SW09	Project: URSC00211
Sample ID: 456917005	Client ID: URSC013
Matrix: Soil	
Collect Date: 09-AUG-18 08:28	
Receive Date: 10-AUG-18	
Collector: Client	
Moisture: 8.7%	

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7471 Cold Vapor Hg in Solid "Dry Weight Corrected"												
Mercury		0.0241	0.00425	0.0127	mg/kg	57.9	1	MTM1	08/16/18	1109	1792876	1
Metals Analysis-ICP												
SW846 3050B/6010D Metals, Solid "Dry Weight Corrected"												
Aluminum		7060	7.25	21.3	mg/kg	97.3	1	TXT1	08/14/18	1937	1791514	2
Antimony	U	ND	0.352	1.07	mg/kg	97.3	1					
Arsenic		6.16	0.533	3.20	mg/kg	97.3	1					
Barium		50.1	0.107	0.533	mg/kg	97.3	1					
Beryllium	J	0.519	0.107	0.533	mg/kg	97.3	1					
Cadmium	J	0.172	0.107	0.533	mg/kg	97.3	1					
Calcium		19100	8.52	26.6	mg/kg	97.3	1					
Chromium		11.3	0.160	0.533	mg/kg	97.3	1					
Cobalt		8.83	0.160	0.533	mg/kg	97.3	1					
Copper		21.6	0.320	1.07	mg/kg	97.3	1					
Iron		19300	8.52	26.6	mg/kg	97.3	1					
Lead		8.09	0.352	1.07	mg/kg	97.3	1					
Magnesium		7440	9.06	32.0	mg/kg	97.3	1					
Manganese		444	0.213	1.07	mg/kg	97.3	1					
Nickel		19.6	0.160	0.533	mg/kg	97.3	1					
Potassium		932	6.82	26.6	mg/kg	97.3	1					
Silver	J	0.348	0.107	0.533	mg/kg	97.3	1					
Sodium		189	7.46	26.6	mg/kg	97.3	1					
Thallium	U	ND	0.533	2.13	mg/kg	97.3	1					
Vanadium		14.6	0.107	0.533	mg/kg	97.3	1					
Zinc		46.6	0.426	1.07	mg/kg	97.3	1					
Metals Analysis-ICP-MS												
6020 MIMICP SCAN Metals "Dry Weight Corrected"												
Selenium	J	0.615	0.368	1.02	mg/kg	93.3	2	SKJ	08/14/18	1427	1791506	3

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3050B	ICP-MS 3050BS PREP	SXW1	08/12/18	1110	1791505
SW846 3050B	SW846 3050B Prep	SXW1	08/12/18	1356	1791513
SW846 7471A Prep	EPA 7471A Mercury Prep Soil	AXS5	08/15/18	1600	1792873

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: August 20, 2018

Company : URS
Address : 2425 River Road (c/o SPRU DP)

Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: SW10	Project: URSC00211
Sample ID: 456917006	Client ID: URSC013
Matrix: Soil	
Collect Date: 09-AUG-18 08:30	
Receive Date: 10-AUG-18	
Collector: Client	
Moisture: 7.27%	

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7471 Cold Vapor Hg in Solid "Dry Weight Corrected"												
Mercury		0.0159	0.00431	0.0129	mg/kg	59.6	1	MTM1	08/16/18	1111	1792876	1
Metals Analysis-ICP												
SW846 3050B/6010D Metals, Solid "Dry Weight Corrected"												
Aluminum		8180	6.88	20.2	mg/kg	93.8	1	TXT1	08/14/18	1939	1791514	2
Antimony	U	ND	0.334	1.01	mg/kg	93.8	1					
Arsenic		7.68	0.506	3.03	mg/kg	93.8	1					
Barium		62.1	0.101	0.506	mg/kg	93.8	1					
Beryllium		0.574	0.101	0.506	mg/kg	93.8	1					
Cadmium	J	0.283	0.101	0.506	mg/kg	93.8	1					
Calcium		22300	8.09	25.3	mg/kg	93.8	1					
Chromium		13.3	0.152	0.506	mg/kg	93.8	1					
Cobalt		10.4	0.152	0.506	mg/kg	93.8	1					
Copper		28.3	0.303	1.01	mg/kg	93.8	1					
Iron		22700	8.09	25.3	mg/kg	93.8	1					
Lead		9.63	0.334	1.01	mg/kg	93.8	1					
Magnesium		9100	8.60	30.3	mg/kg	93.8	1					
Manganese		451	0.202	1.01	mg/kg	93.8	1					
Nickel		23.7	0.152	0.506	mg/kg	93.8	1					
Potassium		1100	6.47	25.3	mg/kg	93.8	1					
Silver	J	0.410	0.101	0.506	mg/kg	93.8	1					
Sodium		344	7.08	25.3	mg/kg	93.8	1					
Thallium	U	ND	0.506	2.02	mg/kg	93.8	1					
Vanadium		16.7	0.101	0.506	mg/kg	93.8	1					
Zinc		64.3	0.405	1.01	mg/kg	93.8	1					
Metals Analysis-ICP-MS												
6020 MIMICP SCAN Metals "Dry Weight Corrected"												
Selenium	J	0.650	0.370	1.03	mg/kg	95.4	2	SKJ	08/14/18	1551	1791506	3

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3050B	ICP-MS 3050BS PREP	SXW1	08/12/18	1110	1791505
SW846 3050B	SW846 3050B Prep	SXW1	08/12/18	1356	1791513
SW846 7471A Prep	EPA 7471A Mercury Prep Soil	AXS5	08/15/18	1600	1792873

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: August 20, 2018

Company : URS
Address : 2425 River Road (c/o SPRU DP)

Niskayuna, New York 12309

Contact: Mr. Jason Litwiller
Project: SPRU Disposition Project

Client Sample ID: SW11	Project: URSC00211
Sample ID: 456917007	Client ID: URSC013
Matrix: Soil	
Collect Date: 09-AUG-18 08:32	
Receive Date: 10-AUG-18	
Collector: Client	
Moisture: 8.28%	

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7471 Cold Vapor Hg in Solid "Dry Weight Corrected"												
Mercury		0.0241	0.00404	0.0121	mg/kg	55.4	1	MTM1	08/16/18	1112	1792876	1
Metals Analysis-ICP												
SW846 3050B/6010D Metals, Solid "Dry Weight Corrected"												
Aluminum		8500	7.14	21.0	mg/kg	96.3	1	TXT1	08/14/18	1941	1791514	2
Antimony	U	ND	0.347	1.05	mg/kg	96.3	1					
Arsenic		7.49	0.525	3.15	mg/kg	96.3	1					
Barium		59.5	0.105	0.525	mg/kg	96.3	1					
Beryllium		0.575	0.105	0.525	mg/kg	96.3	1					
Cadmium	J	0.237	0.105	0.525	mg/kg	96.3	1					
Calcium		17500	8.40	26.3	mg/kg	96.3	1					
Chromium		14.3	0.158	0.525	mg/kg	96.3	1					
Cobalt		10.6	0.158	0.525	mg/kg	96.3	1					
Copper		28.4	0.315	1.05	mg/kg	96.3	1					
Iron		22900	8.40	26.3	mg/kg	96.3	1					
Lead		12.4	0.347	1.05	mg/kg	96.3	1					
Magnesium		8390	8.93	31.5	mg/kg	96.3	1					
Manganese		428	0.210	1.05	mg/kg	96.3	1					
Nickel		24.7	0.158	0.525	mg/kg	96.3	1					
Potassium		1030	6.72	26.3	mg/kg	96.3	1					
Silver	J	0.424	0.105	0.525	mg/kg	96.3	1					
Sodium		143	7.35	26.3	mg/kg	96.3	1					
Thallium	U	ND	0.525	2.10	mg/kg	96.3	1					
Vanadium		17.2	0.105	0.525	mg/kg	96.3	1					
Zinc		56.6	0.420	1.05	mg/kg	96.3	1					
Metals Analysis-ICP-MS												
6020 MIMICP SCAN Metals "Dry Weight Corrected"												
Selenium	J	0.688	0.380	1.05	mg/kg	96.7	2	SKJ	08/14/18	1431	1791506	3

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3050B	ICP-MS 3050BS PREP	SXW1	08/12/18	1110	1791505
SW846 3050B	SW846 3050B Prep	SXW1	08/12/18	1356	1791513
SW846 7471A Prep	EPA 7471A Mercury Prep Soil	AXS5	08/15/18	1600	1792873

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 455239

METHOD TYPE: SW846

SAMPLE ID: 455239008

CLIENT ID: SW12

CONTRACT: URSC00114

MATRIX: Soil

DATE RECEIVED 24-JUL-18

LEVEL: Low %SOLIDS: 91.5

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	9110	mg/kg			P	6.73	1	OPTIMA4	072718-3
7440-36-0	Antimony	0.327	mg/kg	U		P	0.327	1	OPTIMA4	072718-3
7440-38-2	Arsenic	9.12	mg/kg			P	0.495	1	OPTIMA4	072718-3
7440-39-3	Barium	69.8	mg/kg			P	0.099	1	OPTIMA4	072718-3
7440-41-7	Beryllium	0.641	mg/kg			P	0.099	1	OPTIMA4	072718-3
7440-43-9	Cadmium	0.099	mg/kg	U		P	0.099	1	OPTIMA4	072718-3
7440-70-2	Calcium	20100	mg/kg			P	7.92	1	OPTIMA4	072718-3
7440-47-3	Chromium	13.9	mg/kg			P	0.148	1	OPTIMA4	072718-3
7440-48-4	Cobalt	10.9	mg/kg			P	0.148	1	OPTIMA4	072718-3
7440-50-8	Copper	27.6	mg/kg			P	0.297	1	OPTIMA4	072718-3
7439-89-6	Iron	23600	mg/kg			P	7.92	1	OPTIMA4	072718-3
7439-92-1	Lead	12.4	mg/kg			P	0.327	1	OPTIMA4	072718-3
7439-95-4	Magnesium	9280	mg/kg			P	8.41	1	OPTIMA4	072718-3
7439-96-5	Manganese	416	mg/kg			P	0.198	1	OPTIMA4	072718-3
7439-97-6	Mercury	0.0257	mg/kg			AV	0.0041	1	HG3	072618S9-6
7440-02-0	Nickel	25.5	mg/kg			N P	0.148	1	OPTIMA4	072718-3
7440-09-7	Potassium	1670	mg/kg			N P	6.33	1	OPTIMA4	072718-3
7782-49-2	Selenium	0.798	mg/kg	B		MS	0.389	2	ICPMS14	180726-5
7440-22-4	Silver	0.379	mg/kg	B		P	0.099	1	OPTIMA4	072718-3
7440-23-5	Sodium	122	mg/kg			P	6.93	1	OPTIMA4	072718-3
7440-28-0	Thallium	0.495	mg/kg	U		P	0.495	1	OPTIMA4	072718-3
7440-62-2	Vanadium	18.2	mg/kg			P	0.099	1	OPTIMA4	072718-3
7440-66-6	Zinc	60	mg/kg			N P	0.396	1	OPTIMA4	072718-3

*Analytical Methods:

MS SW846 3050B/6020
P SW846 3050B/6010D

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 455239

METHOD TYPE: SW846

SAMPLE ID: 455239006

CLIENT ID: SW13

CONTRACT: URSC00114

MATRIX: Soil

DATE RECEIVED 24-JUL-18

LEVEL: Low %SOLIDS: 91.8

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	8860	mg/kg			P	6.93	1	OPTIMA4	072718-3
7440-36-0	Antimony	0.336	mg/kg	U		P	0.336	1	OPTIMA4	072718-3
7440-38-2	Arsenic	8.87	mg/kg			P	0.51	1	OPTIMA4	072718-3
7440-39-3	Barium	75.8	mg/kg			P	0.102	1	OPTIMA4	072718-3
7440-41-7	Beryllium	0.633	mg/kg			P	0.102	1	OPTIMA4	072718-3
7440-43-9	Cadmium	0.102	mg/kg	U		P	0.102	1	OPTIMA4	072718-3
7440-70-2	Calcium	18500	mg/kg			P	8.16	1	OPTIMA4	072718-3
7440-47-3	Chromium	13.5	mg/kg			P	0.153	1	OPTIMA4	072718-3
7440-48-4	Cobalt	11	mg/kg			P	0.153	1	OPTIMA4	072718-3
7440-50-8	Copper	31.8	mg/kg			P	0.306	1	OPTIMA4	072718-3
7439-89-6	Iron	23800	mg/kg			P	8.16	1	OPTIMA4	072718-3
7439-92-1	Lead	12.2	mg/kg			P	0.336	1	OPTIMA4	072718-3
7439-95-4	Magnesium	8880	mg/kg			P	8.67	1	OPTIMA4	072718-3
7439-96-5	Manganese	418	mg/kg			P	0.204	1	OPTIMA4	072718-3
7439-97-6	Mercury	0.029	mg/kg			AV	0.00436	1	HG3	072618S9-6
7440-02-0	Nickel	26.1	mg/kg			N P	0.153	1	OPTIMA4	072718-3
7440-09-7	Potassium	1590	mg/kg			N P	6.52	1	OPTIMA4	072718-3
7782-49-2	Selenium	0.895	mg/kg	B		MS	0.354	2	ICPMS14	180726-5
7440-22-4	Silver	0.35	mg/kg	B		P	0.102	1	OPTIMA4	072718-3
7440-23-5	Sodium	114	mg/kg			P	7.14	1	OPTIMA4	072718-3
7440-28-0	Thallium	0.51	mg/kg	U		P	0.51	1	OPTIMA4	072718-3
7440-62-2	Vanadium	17.6	mg/kg			P	0.102	1	OPTIMA4	072718-3
7440-66-6	Zinc	53	mg/kg			N P	0.408	1	OPTIMA4	072718-3

*Analytical Methods:

MS SW846 3050B/6020
P SW846 3050B/6010D

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 455239

METHOD TYPE: SW846

SAMPLE ID: 455239005

CLIENT ID: SW14

CONTRACT: URSC00114

MATRIX: Soil

DATE RECEIVED 24-JUL-18

LEVEL: Low %SOLIDS: 91.8

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	9340	mg/kg			P	7.36	1	OPTIMA4	072718-3
7440-36-0	Antimony	0.357	mg/kg	U		P	0.357	1	OPTIMA4	072718-3
7440-38-2	Arsenic	9.71	mg/kg			P	0.542	1	OPTIMA4	072718-3
7440-39-3	Barium	66.3	mg/kg			P	0.108	1	OPTIMA4	072718-3
7440-41-7	Beryllium	0.655	mg/kg			P	0.108	1	OPTIMA4	072718-3
7440-43-9	Cadmium	0.108	mg/kg	U		P	0.108	1	OPTIMA4	072718-3
7440-70-2	Calcium	19400	mg/kg			P	8.66	1	OPTIMA4	072718-3
7440-47-3	Chromium	14.4	mg/kg			P	0.162	1	OPTIMA4	072718-3
7440-48-4	Cobalt	11.7	mg/kg			P	0.162	1	OPTIMA4	072718-3
7440-50-8	Copper	33.8	mg/kg			P	0.325	1	OPTIMA4	072718-3
7439-89-6	Iron	25300	mg/kg			P	8.66	1	OPTIMA4	072718-3
7439-92-1	Lead	13.5	mg/kg			P	0.357	1	OPTIMA4	072718-3
7439-95-4	Magnesium	9490	mg/kg			P	9.21	1	OPTIMA4	072718-3
7439-96-5	Manganese	473	mg/kg			P	0.217	1	OPTIMA4	072718-3
7439-97-6	Mercury	0.0296	mg/kg			AV	0.00372	1	HG3	072618S9-6
7440-02-0	Nickel	28	mg/kg			N P	0.162	1	OPTIMA4	072718-3
7440-09-7	Potassium	1610	mg/kg			N P	6.93	1	OPTIMA4	072718-3
7782-49-2	Selenium	0.81	mg/kg	B		MS	0.385	2	ICPMS14	180726-5
7440-22-4	Silver	0.352	mg/kg	B		P	0.108	1	OPTIMA4	072718-3
7440-23-5	Sodium	105	mg/kg			P	7.58	1	OPTIMA4	072718-3
7440-28-0	Thallium	0.542	mg/kg	U		P	0.542	1	OPTIMA4	072718-3
7440-62-2	Vanadium	18.2	mg/kg			P	0.108	1	OPTIMA4	072718-3
7440-66-6	Zinc	190	mg/kg			N P	0.433	1	OPTIMA4	072718-3

*Analytical Methods:

MS SW846 3050B/6020
P SW846 3050B/6010D

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 455067

METHOD TYPE: SW846

SAMPLE ID: 455067007

CLIENT ID: SW15

CONTRACT: URSC00114

MATRIX:Soil

DATE RECEIVED 20-JUL-18

LEVEL: Low **%SOLIDS:** 91.5

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7440-36-0	Antimony	1.73	mg/kg	U	N	P	1.73	5	OPTIMA3	072518-3
7440-38-2	Arsenic	8.31	mg/kg		*	MS	0.368	2	ICPMS14	180723-4
7440-39-3	Barium	56	mg/kg		*N	P	0.105	1	OPTIMA3	072318-1
7440-43-9	Cadmium	0.105	mg/kg	U		P	0.105	1	OPTIMA3	072318-1
7440-47-3	Chromium	11	mg/kg			P	0.158	1	OPTIMA3	072318-1
7440-48-4	Cobalt	9.89	mg/kg		N	P	0.158	1	OPTIMA3	072318-1
7439-89-6	Iron	20600	mg/kg		*	P	8.41	1	OPTIMA3	072318-1
7439-92-1	Lead	11.5	mg/kg			P	0.347	1	OPTIMA3	072318-1
7439-96-5	Manganese	399	mg/kg			P	0.21	1	OPTIMA3	072318-1
7439-97-6	Mercury	0.0259	mg/kg			AV	0.00378	1	HG4	072418WS1-1
7440-02-0	Nickel	23.8	mg/kg		N	P	0.158	1	OPTIMA3	072318-1
7782-49-2	Selenium	0.896	mg/kg	B		MS	0.392	2	ICPMS14	180723-4
7440-22-4	Silver	0.571	mg/kg			P	0.105	1	OPTIMA3	072318-1
7440-28-0	Thallium	0.152	mg/kg	U		MS	0.152	2	ICPMS14	180723-4
7440-66-6	Zinc	50.9	mg/kg		N	P	0.421	1	OPTIMA3	072318-1

***Analytical Methods:**

MS SW846 3050B/6020
P SW846 3050B/6010D
AV SW846 7471A

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 455067

METHOD TYPE: SW846

SAMPLE ID: 455067005

CLIENT ID: SW16

CONTRACT: URSC00114

MATRIX:Soil

DATE RECEIVED 20-JUL-18

LEVEL: Low **%SOLIDS:** 91.9

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7440-36-0	Antimony	1.74	mg/kg	U	N	P	1.74	5	OPTIMA3	072418A
7440-38-2	Arsenic	7.98	mg/kg		*	MS	0.333	2	ICPMS14	180723-4
7440-39-3	Barium	58.7	mg/kg		*N	P	0.106	1	OPTIMA3	072318-1
7440-43-9	Cadmium	0.106	mg/kg	U		P	0.106	1	OPTIMA3	072318-1
7440-47-3	Chromium	12	mg/kg			P	0.158	1	OPTIMA3	072318-1
7440-48-4	Cobalt	10.1	mg/kg		N	P	0.158	1	OPTIMA3	072318-1
7439-89-6	Iron	21500	mg/kg		*	P	8.45	1	OPTIMA3	072318-1
7439-92-1	Lead	10.6	mg/kg			P	0.348	1	OPTIMA3	072318-1
7439-96-5	Manganese	389	mg/kg			P	0.211	1	OPTIMA3	072318-1
7439-97-6	Mercury	0.0296	mg/kg			AV	0.00397	1	HG4	072418WS1-1
7440-02-0	Nickel	24	mg/kg		N	P	0.158	1	OPTIMA3	072318-1
7782-49-2	Selenium	0.778	mg/kg	B		MS	0.355	2	ICPMS14	180723-4
7440-22-4	Silver	0.661	mg/kg			P	0.106	1	OPTIMA3	072318-1
7440-28-0	Thallium	0.138	mg/kg	U		MS	0.138	2	ICPMS14	180723-4
7440-66-6	Zinc	49.6	mg/kg		N	P	0.422	1	OPTIMA3	072318-1

***Analytical Methods:**

MS SW846 3050B/6020
P SW846 3050B/6010D
AV SW846 7471A

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 454474

METHOD TYPE: SW846

SAMPLE ID: 454474003

CLIENT ID: SW17

CONTRACT: URSC00114

MATRIX: Soil

DATE RECEIVED 12-JUL-18

LEVEL: Low %SOLIDS: 98.6

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	4930	mg/kg			P	6.51	1	OPTIMA3	072318-1
7440-36-0	Antimony	3.16	mg/kg	U	N	P	3.16	10	OPTIMA3	072318-1
7440-38-2	Arsenic	9.05	mg/kg			P	0.478	1	OPTIMA3	072318-1
7440-39-3	Barium	18.9	mg/kg		*N	P	0.0957	1	OPTIMA3	072318-1
7440-41-7	Beryllium	0.383	mg/kg	B		P	0.0957	1	OPTIMA3	072318-1
7440-43-9	Cadmium	0.129	mg/kg	B		P	0.0957	1	OPTIMA3	072318-1
7440-70-2	Calcium	13600	mg/kg			P	7.65	1	OPTIMA3	072318-1
7440-47-3	Chromium	8.2	mg/kg			P	0.143	1	OPTIMA3	072318-1
7440-48-4	Cobalt	14	mg/kg			P	0.143	1	OPTIMA3	072318-1
7440-50-8	Copper	21.2	mg/kg			P	0.287	1	OPTIMA3	072318-1
7439-89-6	Iron	16700	mg/kg			P	7.65	1	OPTIMA3	072318-1
7439-92-1	Lead	24	mg/kg			P	0.316	1	OPTIMA3	072318-1
7439-95-4	Magnesium	5680	mg/kg			P	8.13	1	OPTIMA3	072318-1
7439-96-5	Manganese	347	mg/kg			P	0.191	1	OPTIMA3	072318-1
7439-97-6	Mercury	0.0036	mg/kg	U		AV	0.0036	1	HG3	072618S9-3
7440-02-0	Nickel	27.7	mg/kg			P	0.143	1	OPTIMA3	072318-1
7440-09-7	Potassium	551	mg/kg		N	P	6.12	1	OPTIMA3	072318-1
7782-49-2	Selenium	0.743	mg/kg	B		MS	0.362	2	ICPMS14	180720-2
7440-22-4	Silver	0.432	mg/kg	B		P	0.0957	1	OPTIMA3	072318-1
7440-23-5	Sodium	89.3	mg/kg			P	6.7	1	OPTIMA3	072318-1
7440-28-0	Thallium	0.807	mg/kg	B	N	P	0.478	1	OPTIMA3	072318-1
7440-62-2	Vanadium	9.59	mg/kg			P	0.0957	1	OPTIMA3	072318-1
7440-66-6	Zinc	40.5	mg/kg			P	0.383	1	OPTIMA3	072318-1

*Analytical Methods:

MS SW846 3050B/6020
P SW846 3050B/6010D

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 454474

METHOD TYPE: SW846

SAMPLE ID: 454474004

CLIENT ID: SW18

CONTRACT: URSC00114

MATRIX:Soil

DATE RECEIVED 12-JUL-18

LEVEL: Low **%SOLIDS:** 92.2

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	10200	mg/kg			P	6.98	1	OPTIMA3	072318-1
7440-36-0	Antimony	3.39	mg/kg	U	N	P	3.39	10	OPTIMA3	072318-1
7440-38-2	Arsenic	8.94	mg/kg			P	0.513	1	OPTIMA3	072318-1
7440-39-3	Barium	53.1	mg/kg		*N	P	0.103	1	OPTIMA3	072318-1
7440-41-7	Beryllium	0.706	mg/kg			P	0.103	1	OPTIMA3	072318-1
7440-43-9	Cadmium	0.103	mg/kg	U		P	0.103	1	OPTIMA3	072318-1
7440-70-2	Calcium	10600	mg/kg			P	8.21	1	OPTIMA3	072318-1
7440-47-3	Chromium	16.6	mg/kg			P	0.154	1	OPTIMA3	072318-1
7440-48-4	Cobalt	12.3	mg/kg			P	0.154	1	OPTIMA3	072318-1
7440-50-8	Copper	35.3	mg/kg			P	0.308	1	OPTIMA3	072318-1
7439-89-6	Iron	29200	mg/kg			P	8.21	1	OPTIMA3	072318-1
7439-92-1	Lead	13.8	mg/kg			P	0.339	1	OPTIMA3	072318-1
7439-95-4	Magnesium	7400	mg/kg			P	8.73	1	OPTIMA3	072318-1
7439-96-5	Manganese	523	mg/kg			P	0.205	1	OPTIMA3	072318-1
7439-97-6	Mercury	0.0595	mg/kg			AV	0.00435	1	HG3	072618S9-3
7440-02-0	Nickel	31.2	mg/kg			P	0.154	1	OPTIMA3	072318-1
7440-09-7	Potassium	797	mg/kg		N	P	6.57	1	OPTIMA3	072318-1
7782-49-2	Selenium	0.657	mg/kg	B		MS	0.371	2	ICPMS14	180720-2
7440-22-4	Silver	0.893	mg/kg			P	0.103	1	OPTIMA3	072318-1
7440-23-5	Sodium	140	mg/kg			P	7.19	1	OPTIMA3	072318-1
7440-28-0	Thallium	1.41	mg/kg	B	N	P	0.513	1	OPTIMA3	072318-1
7440-62-2	Vanadium	21	mg/kg			P	0.103	1	OPTIMA3	072318-1
7440-66-6	Zinc	71.2	mg/kg			P	0.411	1	OPTIMA3	072318-1

***Analytical Methods:**

MS SW846 3050B/6020
P SW846 3050B/6010D

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 454474

METHOD TYPE: SW846

SAMPLE ID: 454474005

CLIENT ID: SW19

CONTRACT: URSC00114

MATRIX:Soil

DATE RECEIVED 12-JUL-18

LEVEL: Low **%SOLIDS:** 97.3

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	9460	mg/kg			P	6.94	1	OPTIMA3	072318-1
7440-36-0	Antimony	3.37	mg/kg	U	N	P	3.37	10	OPTIMA3	072318-1
7440-38-2	Arsenic	7.96	mg/kg			P	0.51	1	OPTIMA3	072318-1
7440-39-3	Barium	81.6	mg/kg		*N	P	0.102	1	OPTIMA3	072318-1
7440-41-7	Beryllium	0.682	mg/kg			P	0.102	1	OPTIMA3	072318-1
7440-43-9	Cadmium	0.102	mg/kg	U		P	0.102	1	OPTIMA3	072318-1
7440-70-2	Calcium	32000	mg/kg			P	8.16	1	OPTIMA3	072318-1
7440-47-3	Chromium	15.8	mg/kg			P	0.153	1	OPTIMA3	072318-1
7440-48-4	Cobalt	12.6	mg/kg			P	0.153	1	OPTIMA3	072318-1
7440-50-8	Copper	35.3	mg/kg			P	0.306	1	OPTIMA3	072318-1
7439-89-6	Iron	26300	mg/kg			P	8.16	1	OPTIMA3	072318-1
7439-92-1	Lead	13.3	mg/kg			P	0.337	1	OPTIMA3	072318-1
7439-95-4	Magnesium	9670	mg/kg			P	8.67	1	OPTIMA3	072318-1
7439-96-5	Manganese	513	mg/kg			P	0.204	1	OPTIMA3	072318-1
7439-97-6	Mercury	0.027	mg/kg			AV	0.00394	1	HG3	072618S9-3
7440-02-0	Nickel	29.5	mg/kg			P	0.153	1	OPTIMA3	072318-1
7440-09-7	Potassium	1170	mg/kg		N	P	6.53	1	OPTIMA3	072318-1
7782-49-2	Selenium	0.764	mg/kg	B		MS	0.367	2	ICPMS14	180720-2
7440-22-4	Silver	0.569	mg/kg			P	0.102	1	OPTIMA3	072318-1
7440-23-5	Sodium	105	mg/kg			P	7.14	1	OPTIMA3	072318-1
7440-28-0	Thallium	1.25	mg/kg	B	N	P	0.51	1	OPTIMA3	072318-1
7440-62-2	Vanadium	19.2	mg/kg			P	0.102	1	OPTIMA3	072318-1
7440-66-6	Zinc	60.7	mg/kg			P	0.408	1	OPTIMA3	072318-1

***Analytical Methods:**

MS SW846 3050B/6020
P SW846 3050B/6010D

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 454474

METHOD TYPE: SW846

SAMPLE ID: 454474006

CLIENT ID: SW20

CONTRACT: URSC00114

MATRIX:Soil

DATE RECEIVED 12-JUL-18

LEVEL: Low **%SOLIDS:** 92.1

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	10700	mg/kg			P	7.18	1	OPTIMA3	072318-1
7440-36-0	Antimony	3.48	mg/kg	U	N	P	3.48	10	OPTIMA3	072318-1
7440-38-2	Arsenic	8.73	mg/kg			P	0.528	1	OPTIMA3	072318-1
7440-39-3	Barium	76.7	mg/kg		*N	P	0.106	1	OPTIMA3	072318-1
7440-41-7	Beryllium	0.754	mg/kg			P	0.106	1	OPTIMA3	072318-1
7440-43-9	Cadmium	0.106	mg/kg	U		P	0.106	1	OPTIMA3	072318-1
7440-70-2	Calcium	13500	mg/kg			P	8.45	1	OPTIMA3	072318-1
7440-47-3	Chromium	17.2	mg/kg			P	0.158	1	OPTIMA3	072318-1
7440-48-4	Cobalt	13.5	mg/kg			P	0.158	1	OPTIMA3	072318-1
7440-50-8	Copper	33.8	mg/kg			P	0.317	1	OPTIMA3	072318-1
7439-89-6	Iron	29200	mg/kg			P	8.45	1	OPTIMA3	072318-1
7439-92-1	Lead	14.8	mg/kg			P	0.348	1	OPTIMA3	072318-1
7439-95-4	Magnesium	7570	mg/kg			P	8.98	1	OPTIMA3	072318-1
7439-96-5	Manganese	547	mg/kg			P	0.211	1	OPTIMA3	072318-1
7439-97-6	Mercury	0.0242	mg/kg			AV	0.00426	1	HG3	072618S9-3
7440-02-0	Nickel	32.4	mg/kg			P	0.158	1	OPTIMA3	072318-1
7440-09-7	Potassium	938	mg/kg		N	P	6.76	1	OPTIMA3	072318-1
7782-49-2	Selenium	0.778	mg/kg	B		MS	0.389	2	ICPMS14	180720-2
7440-22-4	Silver	0.791	mg/kg			P	0.106	1	OPTIMA3	072318-1
7440-23-5	Sodium	68.2	mg/kg			P	7.39	1	OPTIMA3	072318-1
7440-28-0	Thallium	1.35	mg/kg	B	N	P	0.528	1	OPTIMA3	072318-1
7440-62-2	Vanadium	21.8	mg/kg			P	0.106	1	OPTIMA3	072318-1
7440-66-6	Zinc	74	mg/kg			P	0.422	1	OPTIMA3	072318-1

***Analytical Methods:**

MS SW846 3050B/6020
P SW846 3050B/6010D

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 455067

METHOD TYPE: SW846

SAMPLE ID: 455067003

CLIENT ID: SW21

CONTRACT: URSC00114

MATRIX:Soil

DATE RECEIVED 20-JUL-18

LEVEL: Low **%SOLIDS:** 93.1

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7440-36-0	Antimony	1.75	mg/kg	U	N	P	1.75	5	OPTIMA3	072418A
7440-38-2	Arsenic	7.3	mg/kg		*	MS	0.341	2	ICPMS14	180723-4
7440-39-3	Barium	66.1	mg/kg		*N	P	0.106	1	OPTIMA3	072318-1
7440-43-9	Cadmium	0.106	mg/kg	U		P	0.106	1	OPTIMA3	072318-1
7440-47-3	Chromium	13.9	mg/kg			P	0.159	1	OPTIMA3	072318-1
7440-48-4	Cobalt	10.4	mg/kg		N	P	0.159	1	OPTIMA3	072318-1
7439-89-6	Iron	22700	mg/kg		*	P	8.49	1	OPTIMA3	072318-1
7439-92-1	Lead	11.1	mg/kg			P	0.35	1	OPTIMA3	072318-1
7439-96-5	Manganese	410	mg/kg			P	0.212	1	OPTIMA3	072318-1
7439-97-6	Mercury	0.0271	mg/kg			AV	0.00414	1	HG4	072418WS1-1
7440-02-0	Nickel	25.1	mg/kg		N	P	0.159	1	OPTIMA3	072318-1
7782-49-2	Selenium	0.754	mg/kg	B		MS	0.364	2	ICPMS14	180723-4
7440-22-4	Silver	0.576	mg/kg			P	0.106	1	OPTIMA3	072318-1
7440-28-0	Thallium	0.141	mg/kg	U		MS	0.141	2	ICPMS14	180723-4
7440-66-6	Zinc	54.4	mg/kg		N	P	0.425	1	OPTIMA3	072318-1

***Analytical Methods:**

MS SW846 3050B/6020
P SW846 3050B/6010D
AV SW846 7471A

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 455067

METHOD TYPE: SW846

SAMPLE ID: 455067016

CLIENT ID: SW21D

CONTRACT: URSC00114

MATRIX:Soil

DATE RECEIVED 20-JUL-18

LEVEL: Low **%SOLIDS:** 90.9

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7440-36-0	Antimony	3.5	mg/kg	U	N	P	3.5	10	OPTIMA3	072418A
7440-38-2	Arsenic	7.99	mg/kg		*	MS	0.371	2	ICPMS14	180725-6
7440-39-3	Barium	71.8	mg/kg		*N	P	0.106	1	OPTIMA3	072418-2
7440-43-9	Cadmium	0.106	mg/kg	U		P	0.106	1	OPTIMA3	072418-2
7440-47-3	Chromium	15.2	mg/kg			P	0.159	1	OPTIMA3	072418-2
7440-48-4	Cobalt	12.8	mg/kg		N	P	0.159	1	OPTIMA3	072418-2
7439-89-6	Iron	32100	mg/kg		*	P	8.48	1	OPTIMA3	072418-2
7439-92-1	Lead	14.3	mg/kg			P	0.35	1	OPTIMA3	072418-2
7439-96-5	Manganese	767	mg/kg			P	0.212	1	OPTIMA3	072418-2
7439-97-6	Mercury	0.0255	mg/kg			AV	0.0038	1	HG3	072518S1-7
7440-02-0	Nickel	28.7	mg/kg		N	P	0.159	1	OPTIMA3	072418-2
7782-49-2	Selenium	0.812	mg/kg	B		MS	0.395	2	ICPMS14	180725-6
7440-22-4	Silver	0.201	mg/kg	B		P	0.106	1	OPTIMA3	072418-2
7440-28-0	Thallium	0.153	mg/kg	U		MS	0.153	2	ICPMS14	180725-6
7440-66-6	Zinc	61.4	mg/kg		N	P	0.424	1	OPTIMA3	072418-2

***Analytical Methods:**

MS SW846 3050B/6020
P SW846 3050B/6010D
AV SW846 7471A

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 454944

METHOD TYPE: SW846

SAMPLE ID: 454944009

CLIENT ID: SW22

CONTRACT: URSC00114

MATRIX: Soil

DATE RECEIVED 19-JUL-18

LEVEL: Low %SOLIDS: 93

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	10500	mg/kg			P	7.2	1	OPTIMA3	072318-1
7440-36-0	Antimony	3.49	mg/kg	U		P	3.49	10	OPTIMA3	072418A-2
7440-38-2	Arsenic	8.59	mg/kg			P	0.529	1	OPTIMA3	072318-1
7440-39-3	Barium	81.4	mg/kg		N	P	0.106	1	OPTIMA3	072318-1
7440-41-7	Beryllium	0.761	mg/kg			P	0.106	1	OPTIMA3	072318-1
7440-43-9	Cadmium	0.106	mg/kg	U		P	0.106	1	OPTIMA3	072318-1
7440-70-2	Calcium	19200	mg/kg			P	8.47	1	OPTIMA3	072318-1
7440-47-3	Chromium	16.9	mg/kg			P	0.159	1	OPTIMA3	072318-1
7440-48-4	Cobalt	12	mg/kg			P	0.159	1	OPTIMA3	072318-1
7440-50-8	Copper	32.2	mg/kg		N	P	0.318	1	OPTIMA3	072318-1
7439-89-6	Iron	27800	mg/kg			P	8.47	1	OPTIMA3	072318-1
7439-92-1	Lead	12.3	mg/kg			P	0.349	1	OPTIMA3	072318-1
7439-95-4	Magnesium	10200	mg/kg			P	9	1	OPTIMA3	072318-1
7439-96-5	Manganese	466	mg/kg			P	0.212	1	OPTIMA3	072318-1
7439-97-6	Mercury	0.0288	mg/kg			AV	0.00395	1	HG4	072318WS1-4
7440-02-0	Nickel	28.9	mg/kg			P	0.159	1	OPTIMA3	072318-1
7440-09-7	Potassium	1750	mg/kg		N	P	6.78	1	OPTIMA3	072318-1
7782-49-2	Selenium	0.759	mg/kg	B	N	MS	0.386	2	ICPMS14	180723-3
7440-22-4	Silver	0.865	mg/kg			P	0.106	1	OPTIMA3	072318-1
7440-23-5	Sodium	70.8	mg/kg			P	7.41	1	OPTIMA3	072318-1
7440-28-0	Thallium	1.6	mg/kg	B		P	0.529	1	OPTIMA3	072318-1
7440-62-2	Vanadium	21.6	mg/kg			P	0.106	1	OPTIMA3	072318-1
7440-66-6	Zinc	65.3	mg/kg		N	P	0.423	1	OPTIMA3	072318-1

*Analytical Methods:

MS SW846 3050B/6020
P SW846 3050B/6010D

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 455067

METHOD TYPE: SW846

SAMPLE ID: 455067004

CLIENT ID: SW23

CONTRACT: URSC00114

MATRIX: Soil

DATE RECEIVED 20-JUL-18

LEVEL: Low %SOLIDS: 91.7

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7440-36-0	Antimony	1.76	mg/kg	U	N	P	1.76	5	OPTIMA3	072418A
7440-38-2	Arsenic	7.91	mg/kg		*	MS	0.352	2	ICPMS14	180723-4
7440-39-3	Barium	64.6	mg/kg		*N	P	0.107	1	OPTIMA3	072318-1
7440-43-9	Cadmium	0.107	mg/kg	U		P	0.107	1	OPTIMA3	072318-1
7440-47-3	Chromium	13.3	mg/kg			P	0.16	1	OPTIMA3	072318-1
7440-48-4	Cobalt	11.3	mg/kg		N	P	0.16	1	OPTIMA3	072318-1
7439-89-6	Iron	24400	mg/kg		*	P	8.54	1	OPTIMA3	072318-1
7439-92-1	Lead	13.4	mg/kg			P	0.352	1	OPTIMA3	072318-1
7439-96-5	Manganese	452	mg/kg			P	0.214	1	OPTIMA3	072318-1
7439-97-6	Mercury	0.0286	mg/kg			AV	0.00394	1	HG4	072418WS1-1
7440-02-0	Nickel	26.5	mg/kg		N	P	0.16	1	OPTIMA3	072318-1
7782-49-2	Selenium	0.951	mg/kg	B		MS	0.375	2	ICPMS14	180723-4
7440-22-4	Silver	0.798	mg/kg			P	0.107	1	OPTIMA3	072318-1
7440-28-0	Thallium	0.146	mg/kg	U		MS	0.146	2	ICPMS14	180723-4
7440-66-6	Zinc	53.6	mg/kg		N	P	0.427	1	OPTIMA3	072318-1

***Analytical Methods:**

MS SW846 3050B/6020
P SW846 3050B/6010D
AV SW846 7471A

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 454944

METHOD TYPE: SW846

SAMPLE ID: 454944004

CLIENT ID: SW24

CONTRACT: URSC00114

MATRIX: Soil

DATE RECEIVED 19-JUL-18

LEVEL: Low %SOLIDS: 90.6

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M*</u>	<u>MDL</u>	<u>DF</u>	<u>Inst ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	11500	mg/kg			P	6.89	1	OPTIMA3	072318-1
7440-36-0	Antimony	3.34	mg/kg	U		P	3.34	10	OPTIMA3	072418A-2
7440-38-2	Arsenic	8.57	mg/kg			P	0.506	1	OPTIMA3	072318-1
7440-39-3	Barium	81.6	mg/kg		N	P	0.101	1	OPTIMA3	072318-1
7440-41-7	Beryllium	0.81	mg/kg			P	0.101	1	OPTIMA3	072318-1
7440-43-9	Cadmium	0.169	mg/kg	B		P	0.101	1	OPTIMA3	072318-1
7440-70-2	Calcium	21000	mg/kg			P	8.1	1	OPTIMA3	072318-1
7440-47-3	Chromium	18.3	mg/kg			P	0.152	1	OPTIMA3	072318-1
7440-48-4	Cobalt	11.7	mg/kg			P	0.152	1	OPTIMA3	072318-1
7440-50-8	Copper	35.4	mg/kg		N	P	0.304	1	OPTIMA3	072318-1
7439-89-6	Iron	28400	mg/kg			P	8.1	1	OPTIMA3	072318-1
7439-92-1	Lead	11.8	mg/kg			P	0.334	1	OPTIMA3	072318-1
7439-95-4	Magnesium	10800	mg/kg			P	8.61	1	OPTIMA3	072318-1
7439-96-5	Manganese	475	mg/kg			P	0.203	1	OPTIMA3	072318-1
7439-97-6	Mercury	0.0266	mg/kg			AV	0.00391	1	HG4	072318WS1-4
7440-02-0	Nickel	29	mg/kg			P	0.152	1	OPTIMA3	072318-1
7440-09-7	Potassium	2040	mg/kg		N	P	6.48	1	OPTIMA3	072318-1
7782-49-2	Selenium	0.798	mg/kg	B	N	MS	0.364	2	ICPMS14	180723-3
7440-22-4	Silver	0.837	mg/kg			P	0.101	1	OPTIMA3	072318-1
7440-23-5	Sodium	107	mg/kg			P	7.09	1	OPTIMA3	072318-1
7440-28-0	Thallium	1.44	mg/kg	B		P	0.506	1	OPTIMA3	072318-1
7440-62-2	Vanadium	23.3	mg/kg			P	0.101	1	OPTIMA3	072318-1
7440-66-6	Zinc	138	mg/kg		N	P	0.405	1	OPTIMA3	072318-1

*Analytical Methods:

MS SW846 3050B/6020
P SW846 3050B/6010D