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April 7, 2015 Reference No. 086119-10

BRRTS No. 02-37-562116

Ms. Mae Willkom
Remediation and Redevelopment Department
Wisconsin Department of Natural Resources
1300 W. Clairemont Avenue
Eau Claire, Wisconsin 54701

Dear Ms. Willkom:

Re: Site Investigation Results
Wausau Chemical Corporation
Wausau, Wisconsin

In accordance with WDNR's letter to John Bocke, dated July 8, 2014, this letter presents the results of a focused site investigation at the Wausau Chemical Corporation (WCC) facility at 2001 North River Drive in Wausau. The site investigation was predicated on the potential removal of the WCC building and subsequent redevelopment. The purpose of this investigation was to provide an initial Site characterization to the City of Wausau to aid in their decision whether to acquire the property.

Field Investigation Summary

The field investigation was conducted on February 25 and 26, 2015, in accordance with the "Work Plan for a Focused Site Investigation" letter dated September 18, 2014, which was conditionally approved by WDNR on November 14, 2014.

Soil Sampling Field Work

The investigation consisted of 12 soil borings at the locations depicted on the attached Site map (Figure 1). Eight soil borings were drilled inside the building and four borings were drilled outside. Soil samples were collected continuously with a track-mounted Geoprobe drill rig using direct-push sampling methods. Each two-foot soil sample interval was screened with a photoionization detector using the headspace method. Two soil samples were collected from each boring. A shallow sample was collected from 1 to 4 feet below the ground surface (bgs) and the second sample was collected between 6 to 9 feet bgs, which was directly above the water table. The depths referenced in this report are relative to the normal ground surface outside the building. The floor of the facility is approximately 3 to 4 feet above the ground surface. Thus, for a boring drilled inside the building, a sample interval of 1 to 3 feet bgs was 4 to 6 feet below the floor. The exception is B7, which was at ground surface in the loading dock area.

Each sample was analyzed for Target Compound List volatile organic compounds (VOC), using USEPA method 5035/8260B, and Resource Conservation and Recovery Act (RCRA) metals using USEPA methods 6010B/7471A. Quality assurance/quality control samples included one replicate sample, one equipment rinsate blank, and one matrix spike sample. Soil samples were shipped overnight in iced coolers, with a temperature blank and a trip blank, to TestAmerica Laboratories under standard chain of custody procedures.

Soil Vapor Sampling Field Work

Soil vapor samples were collected from the subsurface at five locations inside the building locations (B2, B3, B6, B7, and B10) and at two locations outside (B12 and B13). Inside the building, soil contamination is considered the likely potential vapor source. Therefore, the vapor samples from beneath the building floor were collected from 6 to 8 feet below the floor, which is comparable to 2 to 3 feet below the ground surface. Outside of the building, at locations B12 and B13, groundwater is the potential vapor source; hence those vapor samples were collected from 7 to 8 feet bgs, which is directly above the water table.

The vapor samples were collected as grab samples in 1-liter Summa canisters using direct push sampling methods with post-run tubing inserted into the drive point holder at the bottom of the drill string. The tubing was replaced after each sample to eliminate potential sample carryover. The vapor samples were analyzed for VOCs using USEPA's TO-15 method.

Changes to the Work Plan

Based on field conditions and comments provided in WDNR's conditional approval letter, changes to the proposed Work Plan included the following:

1. Three borings were added to characterize soil and soil vapor outside of the building. B13 and B14 were located in the former North Loading Dock soil remediation area and B12 was placed near monitoring well WC5A to assess soil vapor concentrations at a Site groundwater monitoring location.
2. One boring that was planned for the southwest side of the property could not be drilled due to underground utilities and one boring proposed for the Barrel Washing Room inside the building could not be drilled due to a lower ceiling that could not accommodate the drill rig.
3. B1 was terminated at 4 feet bgs due to drill refusal. Thus, only one sample was collected at that location from a depth of 2-4 feet below the floor.

4. B8 was moved about 22 feet north of the proposed location due to the presence of underground utilities.

Soil Sampling

Soil samples were described and logged by a geologist in accordance with the Unified Soil Classification System. Each 2-foot interval was screened with a PID calibrated to isobutylene and with a 10.6eV lamp. None of the soils exhibited PID measurements above background concentrations. Soils were uniform across the Site, consisting of sand and gravel with occasional layers of silty sand and gravel. Soil boring logs are presented in Attachment 1.

Soil samples for laboratory analysis were collected from two depths at each location, except B1 as described above. Samples were collected from a shallow interval, generally between 1-4 feet bgs, and from a deeper interval between 6-9 feet bgs.

Comparison of Soil Results to Direct Contact Criteria

The soil analytical results are summarized in Table 1 and the laboratory reports are presented in Attachment 2. The results were compared to the Wisconsin Non-Industrial Direct Contact Residual Contaminant Levels (NIDCRCL) and there were no exceedences from the shallow or deep samples.

Metals concentrations at all sample locations were within the range of natural background. Several VOCs were detected, but all concentrations were below their associated NIDCRCL.

Comparison of Soil Results to Potential Future Leaching to Groundwater Criteria

The Wisconsin Residual Contaminant Level Groundwater Protection (GWRCL) screening standards are shown on Table 1. A number of VOCs exceeded the GWRCL, but tetrachloroethene (PERC) was the principal contaminant. The presence of VOCs in the soils beneath the building has not impacted groundwater because the building prevents leaching to groundwater. However, the residual VOC soil contamination below the building represents a future potential source to groundwater contamination if the building is removed and the soil is not remediated.

Soil Vapor Sample Results – Current Land Use Evaluation

Table 2 presents the soil vapor analytical results for the two primary contaminants, PERC and trichloroethene (TCE) compared to OSHA standards. WCC is an active chemical manufacturer/supplier that handles chlorinated solvents, including PERC and TCE. As such, the applicable indoor air quality standard is the OSHA Permissible Exposure Limits (PELs). The PELs for PERC and TCE are 678,000 $\mu g/m^3$ and 537,000 $\mu g/m^3$, respectively, for indoor air. Given that the building is large, well ventilated, has a thick concrete floor, and soil vapor samples were collected from more than 5 feet below the floor, an attenuation factor of 0.001 can be applied to the soil vapor data to estimate indoor air quality[1]. As shown on Table 2, applying this factor results in estimated indoor air concentrations that are well below the PELs.

Given the above, the soil gas results do not pose an adverse risk to current on site workers.

Soil Vapor Sample Results – Future Land Use Evaluation

In order to evaluate the future land use scenario, soil vapor results were evaluated for potential residential use. The soil vapor laboratory report is included in Attachment 2 and Table 3 summarizes the soil vapor concentrations compared to non-industrial vapor action levels (VALs). The USEPA's generic screening values were modified to reflect a 1×10^{-5} additional cancer risk, consistent with WDNR guidance. A 0.1 attenuation factor was used with the assumption that future development of the property may include residential buildings with floors at or below the current ground surface. WDNR recommends a 0.1 attenuation factor for samples collected less than 5 feet below the floor.

As indicated in Table 3, the non-industrial VAL for PERC was exceeded at all of the vapor sample locations beneath the footprint of the building. Other VOCs that exceeded the non-industrial VALs at more than one location included TCE and chloroform. The highest concentrations were from boring B10 at the south end of the building where there was a historic release outside of the south wall of the building. The B10 area was not part of past remediation because it was beneath the building.

[1] Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin, WDNR Publication PUB-RR-800, December 2010.

Vapor samples collected from locations B12 and B13, outside of the building, exhibited low concentrations of aromatics, ketones, and chlorinated compounds. All reported soil vapor concentrations from B12 and B13 were below the non-industrial VALs except the 1,2,4-trimethylbenzene concentration at B12, which slightly exceeded the screening value of 73 µg/m^3 and is likely related a minor incidental release of vehicle fuel or lubricant.

The soil vapor data indicate that the vapor concentrations beneath the building are not from groundwater. The B12 vapor sample was collected just above the water table adjacent to monitoring well WC5A, which was last sampled in November 2014. VOCs detected in the groundwater at WC5A included PERC at 12 µg/L. The corresponding vapor concentration for PERC was 240 µg/m^3, which is below the VAL and shows that the low levels of PERC in the groundwater do not cause residential vapor exceedences.

The soil vapor and groundwater data suggest that residual soil contamination below the building floor could create soil vapor concentrations that have the potential to exceed indoor air standards.

Conclusions

Soil concentrations beneath the building and outside the building were low and did not indicate a potential hazard with respect to direct contact exposures.
Soil concentrations of VOCs below the building have not impacted groundwater quality because the building prevents infiltration. However, if the building is removed, future potential infiltration could impact groundwater because the soil concentrations exceed the leaching to groundwater standards.

Based on the current use of the building, the indoor air quality is estimated to be below the applicable OSHA PELs.

Under future residential use of the property, soil vapor concentrations indicate that the soils beneath the building could create conditions that could exceed residential indoor air standards unless remediation occurs or an engineered barrier/mitigation system is installed.

CONESTOGA-ROVERS & ASSOCIATES

April 7, 2015 Reference No. 086119-10

Recommendations

After the building is removed and in preparation for development, we recommend that remediation of the soil beneath the building be conducted.

Thank you for your review of this project. If you have any questions related to this submittal, please contact me at (651) 639-0913.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Chuck Ahrens

CA/sb/3
Encl.

cc: Kevin Fabel, City of Wausau
Rob Flashinski, Wausau Chemical
Sheri Bianchin, EPA
Ron Frehner, CRA

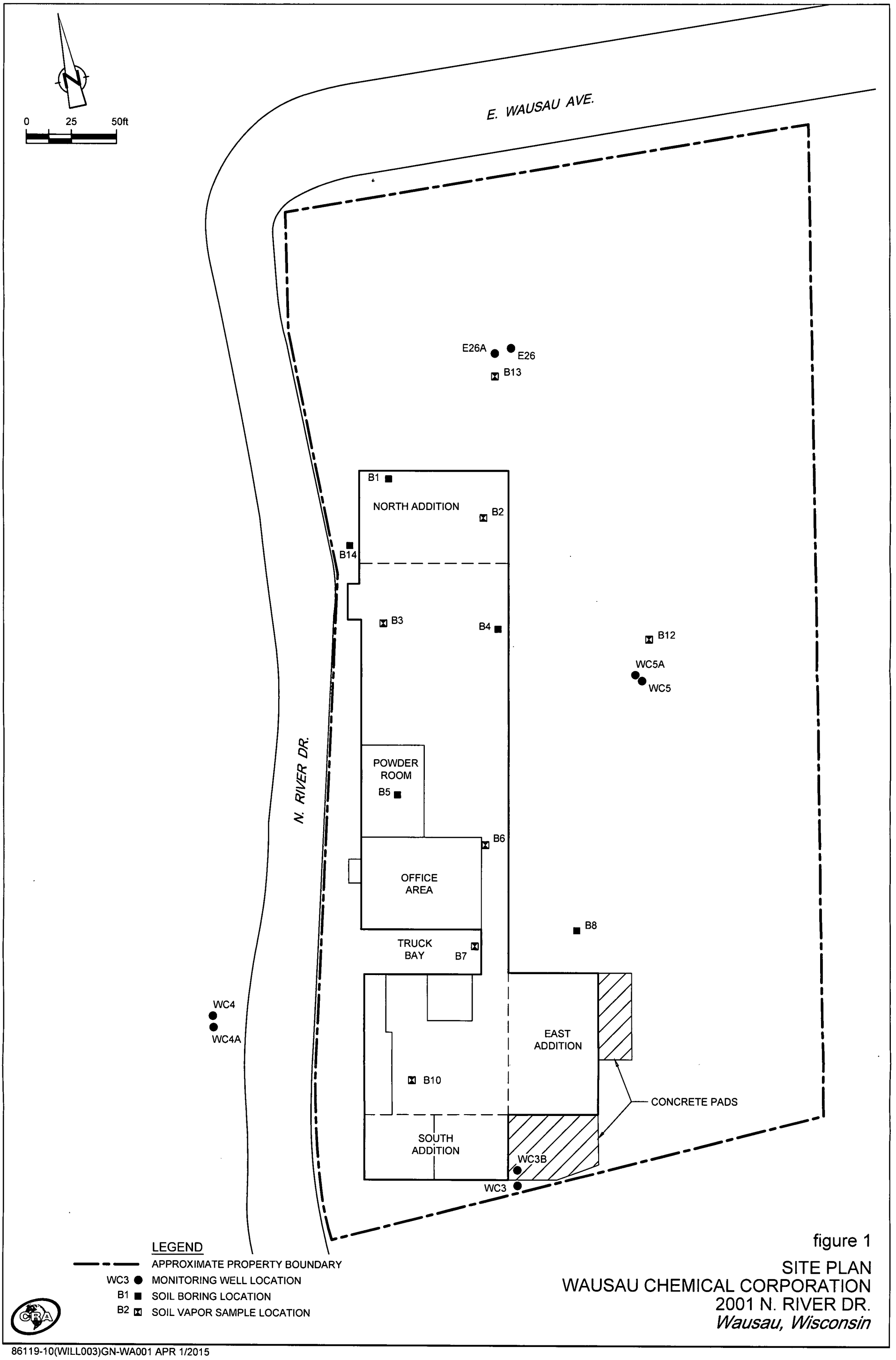


figure 1

SITE PLAN
WAUSAU CHEMICAL CORPORATION
2001 N. RIVER DR.
Wausau, Wisconsin

86119-10(WILL003)GN-WA001 APR 1/2015

TABLE 1

SOIL ANALYTICAL RESULTS - METALS
WAUSAU CHEMICAL CORPORATION

Location	Sample Number	Date		Sample Depth* (ft bgs)	Arsenic mg/kg	Barium mg/kg	Cadmium mg/kg	Chromium mg/kg	Lead mg/kg	Mercury mg/kg	Selenium mg/kg	Silver mg/kg
B1	S-150225-RA-14	2/25/2015		(2-4)#	2.5 J	47 J	0.23 J	12 J	22 J	0.024 J	< 0.51 J	< 0.51
B2	S-150225-RA-12	2/25/2015		(2-4)	5.3 J	63 J	< 0.21	9.4 J	17 J	0.035 J	< 0.52 J	< 0.52
B2	S-150225-RA-13	2/25/2015		(7-9)	0.88 J	15 J	< 0.18	5.6 J	1.0 J	< 0.11	< 0.45 J	< 0.45
B3	S-150225-RA-15	2/25/2015		(2-4	2.3 J	38 J	< 0.19	9.5 J	6.4 J	0.068 J	< 0.47 J	< 0.47
B3	S-150225-RA-16	2/25/2015		(7-9)	0.86 J	9.5 J	< 0.19	9.4 J	1.0 J	< 0.094	< 0.48 J	< 0.48
B4	S-150225-RA-17	2/25/2015		(2-4)	2.3 J	41 J	< 0.19	12 J	2.7 J	< 0.12	0.47 J	< 0.48
B4	S-150225-RA-18	2/25/2015	Dup.	(2-4)	2.3 J	45 J	< 0.21	15 J	3.5 J	< 0.10	< 0.52 J	< 0.52
B4	S-150225-RA-19	2/25/2015		(7-9)	1.9	41	0.11 J	11	2.7	0.031 J	0.38 J	< 0.53
B5	S-150225-RA-20	2/25/2015		(2-4	2.3	41	0.13 J	15	27	0.029 J	< 0.48	< 0.48
B5	S-150225-RA-21	2/25/2015		(7-9)	1.9	39	0.059 J	10	2.4	< 0.10	< 0.49	< 0.49
B6	S-150225-RA-22	2/25/2015		(2-4)	4.2	55	0.12 J	7.3	15	0.019 J	< 0.50	< 0.50
B6	S-150225-RA-23	2/25/2015		(7-9)	1.3	19	0.080 J	9.7	1.5	< 0.10	< 0.45	< 0.45
B7	S-150225-RA-01	2/25/2015		(2-4)	4.6 J	50 J	< 0.19	5.6 J	13 J	< 0.10	< 0.47 J	< 0.94 J
B7	S-150225-RA-02	2/25/2015		(6-8)	2.4 J	20 J	< 0.19	13 J	1.8 J	< 0.096	< 0.47 J	< 0.47
B8	S-150225-RA-10	2/25/2015		(2-4)	1.7 J	31 J	< 0.20	10 J	4.6 J	0.024 J	< 0.50 J	< 0.50
B8	S-150225-RA-11	2/25/2015		(6-8)	1.4 J	20 J	< 0.18	12 J	1.6 J	< 0.090	< 0.46 J	< 0.46
B10	S-150225-RA-24	2/25/2015		(2-4)	0.74 J	9.4 J	0.055 J	4.6	0.87	< 0.11	< 0.41	< 0.41
B10	S-150225-RA-25	2/25/2015		(7-9)	1.3	31	0.14 J	15	2.1	< 0.11	< 0.45	< 0.45
B12	S-150225-RA-08	2/25/2015		(2-4)	1.9 J	70 J	< 0.18	15 J	2.9 J	0.024 J	< 0.45 J	< 0.45
B12	S-150225-RA-09	2/25/2015		(6-8)	1.0 J	27 J	< 0.15	12 J	1.5 J	< 0.11	< 0.36 J	< 0.36
B13	S-150225-RA-05	2/25/2015		(2-4)	4.0 J	60 J	0.27 J	13 J	110 J	0.14	< 0.51 J	< 0.51
B13	S-150225-RA-06	2/25/2015	Dup.	(2-4)	5.4 J	94 J	0.47 J	9.6 J	150 J	0.24	0.44 J	< 0.53
B13	S-150225-RA-07	2/25/2015		(6-8)	0.86 J	8.4 J	< 0.18	15 J	1.3 J	< 0.12	< 0.46 J	< 0.46
B14	S-150225-RA-03	2/25/2015		(4-6)	3.6 J	55 J	0.21 J	17 J	12 J	0.022 J	< 0.37 J	< 0.37
B14	S-150225-RA-04	2/25/2015		(8-10)	1.1 J	22 J	< 0.17	11 J	1.4 J	< 0.11	< 0.44 J	< 0.44
				Wisconsin NIDCRCL	0.613 (8)**	15,300	70	NA (44)***	400	3.13	391	391
				Wisconsin GWRCL	0.584 (8)**	164.8	0.752	360,000	27 (52)**	0.208	0.52	0.85

Notes:

D - Duplicate sample
mg/kg - milligrams/kilogram
NIDCRCL - Non-industrial Direct Contact Residual Contaminant Level
GWRCL - Residual Contaminant Level Protective of Groundwater Quality
J - Reported value is estimated
- B1 sample was collected 2-4 feet below the floor
* - Sample depth is relative to the ground surface outside of the building (except the sample from B1).
The building floor is approximately 3 to 4 feet above the ground surface.
** - () background threshold value
*** - there is no NIDCRCL for total chromium. The background threshold value is 44 mg/kg.

SOIL ANALYTICAL RESULTS - DETECTED VOCs
WAUSAU CHEMICAL CORPORATION

Location	Sample Number	Date		Sample Depth* (ft bgs)	Acetone ug/kg	cis-1,2-Dichloroethene ug/kg	trans-1,2-Dichloroethene ug/kg	Ethylbenzene ug/kg	Methyl acetate ug/kg	Methyl cyclohexane ug/kg	Methylene chloride ug/kg	Methyl ethyl ketone (2-Butanone) ug/kg	Styrene ug/kg	Tetrachloroethene ug/kg	Toluene ug/kg	Trichloroethene ug/kg	1,2,4-Trichlorobenzene ug/kg	Xylenes (total) ug/kg
B1	S-150225-RA-14	2/25/2015		(2-4)#	410 J	< 230	< 230	< 230	< 470	15 J	< 230	< 930	7.5 J	2600	< 230	< 230	< 230	9.6 J
B2	S-150225-RA-12	2/25/2015		(1-3)	600 J	< 250	< 250	< 250	< 490	< 490	81 J	< 990	< 250	61 J	< 250	< 250	< 250	< 490
B2	S-150225-RA-13	2/25/2015		(7-9)	460 J	< 220	< 220	< 220	< 450	< 450	120 J	< 890	< 220	< 220	< 220	< 220	< 220	< 450
B3	S-150225-RA-15	2/25/2015		(1-3)	460 J	< 330	< 330	< 330	< 660	< 660	< 330	< 1300	< 330	340 J	< 330	< 330	< 330	< 660
B3	S-150225-RA-16	2/25/2015		(7-9)	370 J	< 220	< 220	< 220	< 430	< 430	< 220	< 870	5.6 J	21 J	< 220	< 220	< 220	< 430
B4	S-150225-RA-17	2/25/2015		(1-3)	190 J	< 240	< 240	< 240	670	< 480	90 J	< 970	< 240	28 J	53 J	< 240	< 240	< 480
B4	S-150225-RA-18	2/25/2015	D	(1-3)	790 J	< 300	< 300	< 300	860 J	< 600	130 J	< 1200	11 J	24 J	47 J	< 300	< 300	< 600
B4	S-150225-RA-19	2/25/2015		(7-9)	820 J	< 220	< 220	< 220	< 440	< 440	140 J	< 870	12 J	910 J	< 220	< 220	< 220	7.5 J
B5	S-150225-RA-20	2/25/2015		(1-3)	700 J	< 340	< 340	< 340	660 J	< 670	100 J	< 1300	13 J	91 J	< 340	< 340	< 340	< 670
B5	S-150225-RA-21	2/25/2015		(7-9)	330 J	< 260	< 260	< 260	< 520	< 520	< 260	< 1000	< 260	35 J	< 260	26 J	< 260	< 520
B6	S-150225-RA-22	2/25/2015		(1-3)	1300 J	< 280	< 280	< 280	< 570	< 570	< 280	< 1100	11 J	< 280	< 280	< 280	< 280	< 570
B6	S-150225-RA-23	2/25/2015		(7-9)	340 J	< 250	< 250	< 250	< 500	< 500	< 250	< 1000	13 J	< 250	< 250	< 250	< 250	< 500
B7	S-150225-RA-01	2/25/2015		(2-4)	< 21	< 5.2 J	< 5.2 J	< 5.2 J	< 10	< 10 J	< 5.2 J	5.2 J	0.24 J	410 J	0.37 J	2.1 J	< 5.2 J	< 10 J
B7	S-150225-RA-02	2/25/2015		(6-8)	< 850	< 210	< 210	< 210	< 430	< 430	< 210	< 850	< 210	78 J	< 210	< 210	< 210	< 430
				Wisconsin NIDCRCL	63,800,000	156,000	1,560,000	7,470	29,000,000	67,600	60,700	28,400,000	867,000	30,700	818,000	1,260	22,000	258,000
				Wisconsin GWRCL	3,676.6	41.2	58.8	1,570	NA	NA	2.6	1,666	220	4.5	1,107.2	3.6	408	3,940

TABLE 1

SOIL ANALYTICAL RESULTS - DETECTED VOCs
WAUSAU CHEMICAL CORPORATION

Location	Sample Number	Date		Sample Depth* (ft bgs)	Acetone ug/kg	cis-1,2-Dichloroethene ug/kg	trans-1,2-Dichloroethene ug/kg	Ethylbenzene ug/kg	Methyl acetate ug/kg	Methyl cyclohexane ug/kg	Methylene chloride ug/kg	Methyl ethyl ketone (2-Butanone) ug/kg	Styrene ug/kg	Tetrachloroethene ug/kg	Toluene ug/kg	Trichloroethene ug/kg	1,2,4-Trichlorobenzene ug/kg	Xylenes (total) ug/kg
B8	S-150225-RA-10	2/25/2015		(2-4)	< 1800	< 460	< 460	< 460	< 910	< 910	200 J	< 1800	< 460	< 460	< 460	< 460	< 460	< 910
B8	S-150225-RA-11	2/25/2015		(6-8)	4500	< 280	< 280	< 280	< 560	< 560	190 J	< 1100	12 J	< 280	44 J	< 280	< 280	7.7 J
B10	S-150225-RA-24	2/25/2015		(1-3)	< 1000	< 250	< 250	< 250	< 500	< 500	< 250	< 1000	< 250	2400 J	< 250	76 J	< 250	< 500
B10	S-150225-RA-25	2/25/2015		(7-9)	320 J	190	9.2 J	< 190	< 380	< 380	65 J	< 770	12 J	2100	< 190	270	13 J	< 380
B12	S-150225-RA-08	2/25/2015		(2-4)	310 J	< 270	< 270	6.2 J	< 550	< 550	170 J	< 1100	10 J	20 J	< 270	< 270	< 270	7.5 J
B12	S-150225-RA-09	2/25/2015		(6-8)	< 1000	< 250	< 250	< 250	< 510	< 510	< 250	< 1000	< 250	< 250	< 250	< 250	< 250	< 510
B13	S-150225-RA-05	2/25/2015		(2-4)	< 1300	< 330	< 330	15 J	140 J	73 J	< 330	< 1300	16 J	83 J	28 J	< 330	< 330	43 J
B13	S-150225-RA-06	2/25/2015	D	(2-4)	< 1600	< 410	< 410	17 J	< 820	120 J	< 410	< 1600	11 J	76 J	29 J	< 410	< 410	57 J
B13	S-150225-RA-07	2/25/2015		(6-8)	2100 J	< 250	< 250	< 250	< 510	< 510	110 J	< 1000	11 J	< 250	< 250	< 250	< 250	< 510
B14	S-150225-RA-03	2/25/2015		(4-6)	< 1100	< 280	< 280	< 280	< 560	< 560	< 280	< 1100	< 280	100 J	< 280	< 280	< 280	< 560
B14	S-150225-RA-04	2/25/2015		(8-10)	< 930	< 230	< 230	< 230	< 470	< 470	< 230	< 930	< 230	< 230	< 230	< 230	< 230	< 470
				Wisconsin NIDCRCL	63,800,000	156,000	1,560,000	7,470	29,000,000	67,600	60,700	28,400,000	867,000	30,700	818,000	1,260	22,000	258,000
				Wisconsin GWRCL	3,676.6	41.2	58.8	1,570	NA	NA	2.6	1,666	220	4.5	1,107.2	3.6	408	3,940

Notes:

D - Duplicate sample
ug/kg - micrograms/kilogram
NIDCRCL - Non-industrial Direct Contact Residual Contaminant Level
GWRCL - Residual Contaminant Level Protective of Groundwater Quality
- B1 sample was collected 2-4 feet below the floor
* - Sample depth is relative to the ground surface outside of the building (except the sample from B1). The building floor is approximately 3 to 4 feet above the ground surface.

TABLE 2

SOIL VAPOR RESULTS
CURRENT LAND USE SCREENING COMPARISON
WAUSAU CHEMICAL CORPORATION

Analyte	*OSHA PEL for Indoor Air (TWA) [2] (ug/m3)*	*B2 (ug/m3)*	*B3 (ug/m3)*	*B6 (ug/m3)*	*B7 (ug/m3)*	*B10 (ug/m3)*	*B10 (ug/m3)*	*Estimated Attenuated Indoor Air Concentration B10 [1] (ug/m3)*	*B12 (ug/m3)*	*B13 (ug/m3)*
							Duplicate			
Tetrachloroethene	678,000	2,200	6,500	3900	33,000	660,000	780,000	660/780	240	36
Trichloroethene	537,000	13 J	< 100	740	2,500	87,000	110,000	87/110	2.0 J	< 11

Note:

[1] - TWA - time weighted average. The PELs presented are for indoor air. For proper comparison to the PELs, the vapor concentrations presented in this table would be divided by 1,000 in accordance with WDNR guidance.

TABLE 3

SOIL VAPOR LABORATORY RESULTS
FUTURE LAND USE SCREENING COMPARISON
WAUSAU CHEMICAL CORPORATION

Location		*Non-Industrial*	*B2*	*B3*	*B6*	*B7*	*B10*	*B10*	*B12*	*B13*
Sample No.		*Vapor Action*	*G-150225-RA-04*	*G-150225-RA-05*	*G-150225-RA-06*	*G-150225-RA-01*	*G-150225-RA-07*	*G-150225-RA-08*	*G-150225-RA-03*	*G-150225-RA-02*
		Level [1]	*2/25/2015*	*2/25/2015*	*2/25/2015*	*2/25/2015*	*2/25/2015*	*2/25/2015*	*2/25/2015*	*2/25/2015*
	Units							*Duplicate*		
Acetone	ug/m3	320,000	3,700	400 J	2300	< 3,300	< 57,000	21,000 J	270	61 J
Benzene	ug/m3	36	40	30 J	16 J	< 180	< 3,100	< 2,900	17	10
Carbon disulfide	ug/m3	7,300	30 J	87 J	16 J	< 430	< 7,500	< 7,100	3.8 J	6.7 J
Carbon tetrachloride	ug/m3	47	6.2 J	< 120	< 49	< 350	< 6,100	< 5,700	< 13	< 13
Chloroform	ug/m3	12	8.3 J	< 94	7.4 J	72 J	3,200 J	4,200 J	< 9.8	< 9.8
Chloromethane	ug/m3	940	< 26	< 100	< 40	< 280	< 5,000	< 4,700	< 10	4.0 J
Cyclohexane	ug/m3	63,000	< 44	< 170	18 J	< 470	< 8,300	< 7,900	8.5 J	4.7 J
cis-1,2-Dichloroethene	ug/m3	na	< 20	< 77	< 31	1,300	18,000	24,000	< 7.9	< 7.9
trans-1,2-Dichloroethene	ug/m3	na	< 20	< 77	< 31	< 220	1,600 J	2,100 J	< 7.9	< 7.9
Ethylbenzene	ug/m3	110	97	41 J	20 J	< 240	< 4,200	< 4,000	25	4.1 J
Hexane	ug/m3	7,300	22 J	13 J	17 J	38 J	< 14,000	< 13,000	10 J	9.1 J
Isopropyl alcohol	ug/m3	2,100	470	33 J	160 J	130 J	4,700 J	7,600 J	23 J	6.5 J
Isopropyl benzene	ug/m3	na	27 J	< 380	< 150	< 1,100	< 19,000	< 18,000	6.4 J	< 39
Methyl ethyl ketone (2-Butanone)	ug/m3	52,000	1,600	< 290	430	320 J	< 14,000	2,800 J	190	49
Methyl isobutyl ketone (MIBK)	ug/m3	31,000	54	< 200	35 J	< 560	< 9,900	< 9,300	23	17 J
Styrene	ug/m3	10,000	28	< 82	< 33	< 230	< 4,100	< 3,900	11	< 8.5
Tetrachloroethene	ug/m3	420	2,200	6,500	3900	33,000	660,000	780,000	240	36
Tetrahydrofuran	ug/m3	21,000	33 J	< 1,400	14 J	< 4,100	< 71,000	< 67,000	11 J	1.9 J
Toluene	ug/m3	52,000	610	130	65	< 210	< 3,600	< 3,400	49	14
1,1,1-Trichloroethane	ug/m3	52,000	< 28	< 110	130	< 300	1,800 J	2,200 J	< 11	< 11
Trichloroethene	ug/m3	21	13 J	< 100	740	2,500	87,000	110,000	2.0 J	< 11
Trichlorofluoromethane (CFC-11)	ug/m3	7,300	< 29	< 110	< 44	< 310	< 5,400	< 5,100	1.6 J	< 11
Trifluorotrichloroethane (Freon 113)	ug/m3	310,000	< 39	< 150	56 J	< 420	< 7,400	< 7,000	< 15	< 15
1,2,4-Trimethylbenzene	ug/m3	73	370	64 J	67	< 270	< 4,800	< 4,500	83	16
1,3,5-Trimethylbenzene	ug/m3	na	86	< 95	15 J	< 270	< 4,800	< 4,500	18	3.2 J
m&p-Xylenes	ug/m3	1,000	350	130 J	73 J	< 960	< 17,000	< 16,000	88	14 J
o-Xylene	ug/m3	1,000	110	42 J	25 J	< 240	< 4,200	< 4,000	27	4.4 J

Notes:

[ ] - exceeds non-industrial screening value for shallow sub-floor samples
na - there are no screening values for these compounds
[1] - based on attenuation factor = 0.1

Attachment 1

Boring Logs

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Wausau Chemical Corporation
PROJECT NUMBER: 086119
CLIENT: City of Wausau
LOCATION: Wausau, Wisconsin

HOLE DESIGNATION: B1
DATE COMPLETED: February 25, 2015
DRILLING METHOD: Geoprobe
FIELD PERSONNEL: R. Aamot

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	Geoprobe	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	SAMPLE PID
	Concrete	0.50	Concrete	1	P/S	1.5		<6
2	SM-SAND, silty, trace gravel, fine to medium grained, brown, dry, fill		Bentonite	(2)	P/S	1.5		<6
4	END OF BOREHOLE @ 4.0ft BGS	4.00						
	Refusal at 4'							
	Depths are relative to the building floor which is approximately 3 feet higher than the ground surface.							
6								
8								
10								
12								
14								

WELL DETAILS
Seal:
0.00 to 4.00ft BGS
Material: Bentonite

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS (2)

OVERBURDEN LOG 086119-SP.GPJ CRA_CORP.GDT 4/3/15

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Wausau Chemical Corporation
PROJECT NUMBER: 086119
CLIENT: City of Wausau
LOCATION: Wausau, Wisconsin

HOLE DESIGNATION: B2
DATE COMPLETED: February 25, 2015
DRILLING METHOD: Geoprobe
FIELD PERSONNEL: R. Aamot

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS
0	Concrete	
	SM-SAND, silty, trace gravel, brown to dark brown, moist, fill	0.50
9.00	SW-SAND, trace gravel, fine to coarse grained, brown/red, dry	
	- moist at 11.5ft BGS	
12	END OF BOREHOLE @ 12.0ft BGS	12.00
	Depths are relative to the building floor which is approximately 3 feet higher than the ground surface.	

Geoprobe: Concrete; Bentonite

WELL DETAILS
Seal:
0.00 to 12.00ft BGS
Material: Bentonite

SAMPLE NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID
1	P/S	1.5		<6
2	P/S	1.5		<6
3	P/S	1.5		<6
4	P/S	1.5		<6
5	P/S	1.5		<6
6	P/S	1.5		

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS (6)

OVERBURDEN LOG 086119-SP.GPJ CRA_CORP.GDT 4/3/15

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Wausau Chemical Corporation
PROJECT NUMBER: 086119
CLIENT: City of Wausau
LOCATION: Wausau, Wisconsin

HOLE DESIGNATION: B3
DATE COMPLETED: February 25, 2015
DRILLING METHOD: Geoprobe
FIELD PERSONNEL: R. Aamot

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	Geoprobe	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	SAMPLE PID
	Concrete		Concrete					
	SM-SAND, silty, trace gravel, fine to medium grained, brown, dry, fill	0.50		1	P/S	1.5		<6
2				2	P/S	1.5		<6
4				3	P/S	1.5		<6
6			Bentonite	4	P/S	1.5		<6
8				5	P/S	1.5		<6
	SW-SAND, gravelly, fine to coarse grained, brown, dry	9.00						
10				6	P/S	1.5		<6
	- saturated at 11.5ft BGS							
12	END OF BOREHOLE @ 12.0ft BGS	12.00						
	Depths are relative to the building floor which is approximately 3 feet higher than the ground surface.							
14								

WELL DETAILS
Seal:
0.00 to 12.00ft BGS
Material: Bentonite

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS (oval)

OVERBURDEN LOG 086119-SP.GPJ CRA_CORP.GDT 4/3/15

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Wausau Chemical Corporation
PROJECT NUMBER: 086119
CLIENT: City of Wausau
LOCATION: Wausau, Wisconsin

HOLE DESIGNATION: B4
DATE COMPLETED: February 25, 2015
DRILLING METHOD: Geoprobe
FIELD PERSONNEL: R. Aamot

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	Geoprobe	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	SAMPLE PID
	Concrete		Concrete					
	SM-SAND, silty, trace gravel, fine to medium grained, brown to red, dry, fill	0.50		1	P/S	1.5		<6
2				2	P/S	1.5		<6
4				3	P/S	1.5		<6
6			Bentonite	4	P/S	1.5		<6
8				5	P/S	1.5		<6
10								
	SW-SAND, gravelly, fine to coarse grained, brown, dry	11.00		6	P/S	1.5		<6
12	END OF BOREHOLE @ 12.0ft BGS	12.00						
	Depths are relative to the building floor which is approximately 3 feet higher than the ground surface.							
14								

WELL DETAILS
Seal:
0.00 to 12.00ft BGS
Material: Bentonite

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS (6)

OVERBURDEN LOG 086119-SP.GPJ CRA_CORP.GDT 4/3/15

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Wausau Chemical Corporation
PROJECT NUMBER: 086119
CLIENT: City of Wausau
LOCATION: Wausau, Wisconsin

HOLE DESIGNATION: B5
DATE COMPLETED: February 25, 2015
DRILLING METHOD: Geoprobe
FIELD PERSONNEL: R. Aamot

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	Geoprobe	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	SAMPLE PID
	Concrete	0.50	Concrete					
	SM-SAND, silty, trace gravel, fine to medium grained, brown to dark brown, dry, fill			1	P/S	1.0		<6
2				2	P/S	1.0		<6
4				(3)	P/S	1.0		<6
6			Bentonite	4	P/S	1.0		<6
8				5	P/S	1.0		<6
10	- moist at 11.0ft BGS			(6)	P/S	1.0		<6
12	END OF BOREHOLE @ 12.0ft BGS	12.00						
	Depths are relative to the building floor which is approximately 3 feet higher than the ground surface.		WELL DETAILS Seal: 0.00 to 12.00ft BGS Material: Bentonite					
14								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS (X)

OVERBURDEN LOG 086119-SP.GPJ CRA_CORP.GDT 4/3/15

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Wausau Chemical Corporation
PROJECT NUMBER: 086119
CLIENT: City of Wausau
LOCATION: Wausau, Wisconsin

HOLE DESIGNATION: B6
DATE COMPLETED: February 25, 2015
DRILLING METHOD: Geoprobe
FIELD PERSONNEL: R. Aamot

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS
0	Concrete	0.50
	SP-SAND, medium grained, brown, dry	
6	SM-SAND, with gravel, fine to coarse grained, brown/red, moist	6.00
10	SW-SAND, fine to coarse grained, brown, dry to moist	10.00
12	END OF BOREHOLE @ 12.0ft BGS Depths are relative to the building floor which is approximately 3 feet higher than the ground surface.	12.00

Geoprobe: Concrete; Bentonite

WELL DETAILS
Seal:
0.00 to 12.00ft BGS
Material: Bentonite

SAMPLE NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID
1	P/S	1.0		<6
2	P/S	1.0		<6
3	P/S	1.0		<6
4	P/S	1.0		<6
5	P/S	1.0		<6
6	P/S	1.0		<6

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS (6)

OVERBURDEN LOG 086119-SP.GPJ CRA_CORP.GDT 4/3/15

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Wausau Chemical Corporation
PROJECT NUMBER: 086119
CLIENT: City of Wausau
LOCATION: Wausau, Wisconsin

HOLE DESIGNATION: B7
DATE COMPLETED: February 25, 2015
DRILLING METHOD: Geoprobe
FIELD PERSONNEL: R. Aamot

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS
	Concrete	
	SM-SAND, trace gravel, fine to medium grained, black, dry	0.50
	SP-SAND, medium grained, brown, dry	1.50
	- 1' silty sand layer, dark gray at 4.0ft BGS	
	SW-SAND, fine to coarse grained, brown, moist	7.00
	- saturated at 9.0ft BGS	
	END OF BOREHOLE @ 12.0ft BGS	12.00
	Depths are relative to the bottom of the loading dock, which is approximately the same elevation as the ground surface	

Geoprobe: Concrete; Bentonite

WELL DETAILS
Seal:
0.00 to 12.00ft BGS
Material: Bentonite

SAMPLE NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID
1	P/S	1.5		0.1
2	P/S	1.5		0.4
3	P/S	1.5		0.5
4	P/S	1.5		1.1
5	P/S	1.5		
6	P/S	1.5		

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS (2), (4)

OVERBURDEN LOG 086119-SP.GPJ CRA_CORP.GDT 4/3/15

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Wausau Chemical Corporation
PROJECT NUMBER: 086119
CLIENT: City of Wausau
LOCATION: Wausau, Wisconsin

HOLE DESIGNATION: B8
DATE COMPLETED: February 25, 2015
DRILLING METHOD: Geoprobe
FIELD PERSONNEL: R. Aamot

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	Geoprobe	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	SAMPLE PID
0	SM-SAND, trace gravel, fine to coarse grained, brown, dry, fill			1	P/S	2.0		0.6
2				2	P/S	2.0		0.8
4			Bentonite	3	P/S	1.5		1.7
5	SW-SAND, gravelly, fine to coarse grained, brown, moist	5.00						
6				4	P/S	1.5		1.6
8	- saturated at 8.0ft BGS	8.00						
	END OF BOREHOLE @ 8.0ft BGS							
	Depths are relative to ground surface							
10								
12								
14								

WELL DETAILS
Seal:
0.00 to 8.00ft BGS
Material: Bentonite

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS (oval)

OVERBURDEN LOG 086119-SP.GPJ CRA_CORP.GDT 4/3/15

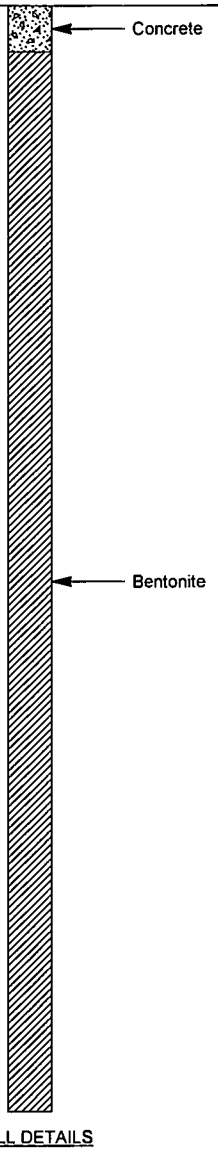
STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Wausau Chemical Corporation
PROJECT NUMBER: 086119
CLIENT: City of Wausau
LOCATION: Wausau, Wisconsin

HOLE DESIGNATION: B10
DATE COMPLETED: February 25, 2015
DRILLING METHOD: Geoprobe
FIELD PERSONNEL: R. Aamot

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS
	Concrete	0.50
	SP-SAND, medium grained, brown, dry	
	SM-SAND, with gravel, fine to coarse grained, brown/red, moist	6.00
	END OF BOREHOLE @ 12.0ft BGS	12.00
	Depths are relative to the building floor which is approximately 3 feet higher than the ground surface.	

Geoprobe



WELL DETAILS
Seal:
0.00 to 12.00ft BGS
Material: Bentonite

SAMPLE NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID
1	P/S	1.0		<6
2	P/S	1.0		<6
3	P/S	1.0		<6
4	P/S	1.0		<6
5	P/S	1.0		<6
6	P/S	1.0		<6

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS (6)

OVERBURDEN LOG 086119-SP.GPJ CRA_CORP.GDT 4/3/15

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Wausau Chemical Corporation
PROJECT NUMBER: 086119
CLIENT: City of Wausau
LOCATION: Wausau, Wisconsin

HOLE DESIGNATION: B12
DATE COMPLETED: February 25, 2015
DRILLING METHOD: Geoprobe
FIELD PERSONNEL: R. Aamot

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	Geoprobe	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	SAMPLE PID
0	SM-SAND, trace gravel, fine to coarse grained, brown, moist, fill			1	P/S	2.0		0.3
2				2	P/S	2.0		1.1
4			Bentonite	3	P/S	1.5		0.8
5.00	SW-SAND, gravelly, fine to coarse grained, brown, dry			4	P/S	1.5		0.8
8	- saturated at 8.0ft BGS	8.00						
	END OF BOREHOLE @ 8.0ft BGS							
	Depths are relative to ground surface							
10								
12								
14								

WELL DETAILS
Seal:
0.00 to 8.00ft BGS
Material: Bentonite

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS (2)

OVERBURDEN LOG 086119-SP.GPJ CRA_CORP.GDT 4/3/15

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Wausau Chemical Corporation
PROJECT NUMBER: 086119
CLIENT: City of Wausau
LOCATION: Wausau, Wisconsin

HOLE DESIGNATION: B13
DATE COMPLETED: February 25, 2015
DRILLING METHOD: Geoprobe
FIELD PERSONNEL: R. Aamot

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	Geoprobe	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	SAMPLE PID
	SM-SAND, trace gravel, fine to coarse grained, dark brown, moist, fill			1	P/S	2.0		4.7
2	SW-SAND, gravelly, fine to coarse grained, brown, dry	2.00		2	P/S	2.0		4.6
4			Bentonite	3	P/S	1.5		4.2
6				4	P/S	1.5		3.8
8	- saturated at 8.0ft BGS	8.00						
	END OF BOREHOLE @ 8.0ft BGS							
	Depths are relative to ground surface							
10								
12								
14								

WELL DETAILS
Seal:
0.00 to 8.00ft BGS
Material: Bentonite

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS (oval)

OVERBURDEN LOG 086119-SP.GPJ CRA_CORP.GDT 4/3/15

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Wausau Chemical Corporation
PROJECT NUMBER: 086119
CLIENT: City of Wausau
LOCATION: Wausau, Wisconsin

HOLE DESIGNATION: B14
DATE COMPLETED: February 25, 2015
DRILLING METHOD: Geoprobe
FIELD PERSONNEL: R. Aamot

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS
	Concrete	0.50
	SM-SAND, silty, trace gravel, fine to medium grained, dark brown, dry	
	SW-SAND, trace gravel, fine to coarse grained, brown, dry	5.00
	- saturated at 10.0ft BGS	10.00
	END OF BOREHOLE @ 10.0ft BGS	
	Depths are relative to ground surface	

Geoprobe: Concrete; Bentonite

WELL DETAILS
Seal:
0.00 to 10.00ft BGS
Material: Bentonite

SAMPLE NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID
1	P/S	0.0		
2	P/S	0.0		
3	P/S	1.5		4.3
4	P/S	1.5		4.7
5	P/S	2.0		4.7

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS (5)

OVERBURDEN LOG 086119-SP.GPJ CRA_CORP.GDT 4/3/15

Attachment 2

Laboratory Reports

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-47640-1
Client Project/Site: 86119 City of Wausau Chemical Brownfield

For:
Conestoga-Rovers & Associates, Inc.
1801 Old Highway 8 NW
Suite 114
St. Paul, Minnesota 55112

Attn: Mr. Grant Anderson

Denise D Heckler

Authorized for release by:
3/9/2015 10:10:34 AM

Denise Heckler, Project Manager II
(330)966-9477
denise.heckler@testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
L	A negative instrument reading had an absolute value greater than the reporting limit
F1	MS and/or MSD Recovery exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 240-47640-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 86119 City of Wausau Chemical Brownfield

Report Number: 240-47640-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

COMMENTS

Solid samples were adjusted for moisture content. The MDLs and RLs have also been adjusted.

RECEIPT

The samples were received on 02/27/2015; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.3 C.

Select samples were received outside of holding time for low level frozen preservation.

At the request of CRA, the medium level (methanol preserved) analysis was performed. For sample: S-150225-RA-01 (240-47640-1), the methanol vial did not contain any methanol; as a result the low level analysis was used.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples S-150225-RA-01 (240-47640-1), S-150225-RA-02 (240-47640-2), S-150225-RA-03 (240-47640-3), S-150225-RA-04 (240-47640-4), S-150225-RA-05 (240-47640-5), S-150225-RA-06 (240-47640-6), S-150225-RA-07 (240-47640-7), S-150225-RA-08 (240-47640-8), S-150225-RA-09 (240-47640-9), S-150225-RA-10 (240-47640-10) and S-150225-RA-11 (240-47640-11) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 02/27/2015 and 03/02/2015 and analyzed on 03/03/2015 and 03/04/2015.

1,2,4-Trichlorobenzene, 2-Butanone (MEK) and 2-Hexanone were detected in method blank MB 240-170236/1-A at levels that were above

Job ID: 240-47640-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Acetone was detected in method blank MB 240-170350/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Methyl acetate was detected in method blank MB 240-170350/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

The methanol preserved terracore was received dry, and is not usable for sample: S-150225-RA-01 (240-47640-1).

The following sample was preserved via freezing on 2-27-15 at 12:45: S-150225-RA-01 (240-47640-1) . This is outside the 48 hour time frame required by the method.

The result for Tetrachloroethene exceeded the calibration range for sample: S-150225-RA-01 (240-47640-1). Re-analysis and dilution could not be performed due to insufficient sample volume. The sample was reported with an "E" (Estimated) flag for that compound.

Surrogate recovery for the following sample was outside the upper control limit: S-150225-RA-03 (240-47640-3). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Surrogate recovery for the following sample(s) was outside of acceptance limits: S-150225-RA-07 (240-47640-7), S-150225-RA-11 (240-47640-11). There was insufficient sample to perform a re-extraction; therefore, the data have been reported.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batches 170351 and 170236.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL METALS (ICP)

Samples S-150225-RA-01 (240-47640-1), S-150225-RA-02 (240-47640-2), S-150225-RA-03 (240-47640-3), S-150225-RA-04 (240-47640-4), S-150225-RA-05 (240-47640-5), S-150225-RA-06 (240-47640-6), S-150225-RA-07 (240-47640-7), S-150225-RA-08 (240-47640-8), S-150225-RA-09 (240-47640-9), S-150225-RA-10 (240-47640-10) and S-150225-RA-11 (240-47640-11) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 03/02/2015 and analyzed on 03/03/2015 and 03/04/2015.

Barium, Cadmium and Chromium were detected in method blank MB 240-170247/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Several analytes failed the recovery criteria low for the MS/MSD of sample S-150225-RA-01MS (240-47640-1) in batch 240-170733.

Sample S-150225-RA-01 (240-47640-1)[2X] required dilution prior to analysis due to the nature of the sample matrix. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL MERCURY

Samples S-150225-RA-01 (240-47640-1), S-150225-RA-02 (240-47640-2), S-150225-RA-03 (240-47640-3), S-150225-RA-04 (240-47640-4), S-150225-RA-05 (240-47640-5), S-150225-RA-06 (240-47640-6), S-150225-RA-07 (240-47640-7), S-150225-RA-08 (240-47640-8), S-150225-RA-09 (240-47640-9), S-150225-RA-10 (240-47640-10) and S-150225-RA-11 (240-47640-11) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared on 03/02/2015 and analyzed on 03/03/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86119 City of Wausau Chemical Brownfield

TestAmerica Job ID: 240-47640-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CAN
6010B	Metals (ICP)	SW846	TAL CAN
7471A	Mercury (CVAA)	SW846	TAL CAN
Moisture	Percent Moisture	EPA	TAL CAN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86119 City of Wausau Chemical Brownfield

TestAmerica Job ID: 240-47640-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-47640-1	S-150225-RA-01	Solid	02/25/15 09:00	02/27/15 10:00
240-47640-2	S-150225-RA-02	Solid	02/25/15 09:00	02/27/15 10:00
240-47640-3	S-150225-RA-03	Solid	02/25/15 09:45	02/27/15 10:00
240-47640-4	S-150225-RA-04	Solid	02/25/15 09:45	02/27/15 10:00
240-47640-5	S-150225-RA-05	Solid	02/25/15 10:45	02/27/15 10:00
240-47640-6	S-150225-RA-06	Solid	02/25/15 10:45	02/27/15 10:00
240-47640-7	S-150225-RA-07	Solid	02/25/15 10:45	02/27/15 10:00
240-47640-8	S-150225-RA-08	Solid	02/25/15 11:35	02/27/15 10:00
240-47640-9	S-150225-RA-09	Solid	02/25/15 11:35	02/27/15 10:00
240-47640-10	S-150225-RA-10	Solid	02/25/15 12:30	02/27/15 10:00
240-47640-11	S-150225-RA-11	Solid	02/25/15 12:30	02/27/15 10:00

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86119 City of Wausau Chemical Brownfield

TestAmerica Job ID: 240-47640-1

Client Sample ID: S-150225-RA-01 — Lab Sample ID: 240-47640-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	8.2	J H B	21	6.6	ug/Kg	1	☼	8260B	Total/NA
2-Butanone (MEK)	5.2	J H	21	1.5	ug/Kg	1	☼	8260B	Total/NA
Styrene	0.24	J H	5.2	0.16	ug/Kg	1	☼	8260B	Total/NA
Tetrachloroethene	410	H E	5.2	0.54	ug/Kg	1	☼	8260B	Total/NA
Toluene	0.37	J H	5.2	0.28	ug/Kg	1	☼	8260B	Total/NA
Trichloroethene	2.1	J H	5.2	0.44	ug/Kg	1	☼	8260B	Total/NA
Methyl acetate	2.6	J H B	10	1.5	ug/Kg	1	☼	8260B	Total/NA
Barium	50	B	19	0.39	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.14	J B	0.19	0.020	mg/Kg	1	☼	6010B	Total/NA
Chromium	5.6	B	0.47	0.071	mg/Kg	1	☼	6010B	Total/NA
Arsenic	4.6		0.94	0.39	mg/Kg	1	☼	6010B	Total/NA
Lead	13		0.28	0.19	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: S-150225-RA-02 — Lab Sample ID: 240-47640-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	78	J	210	10	ug/Kg	1	☼	8260B	Total/NA
1,2,4-Trichlorobenzene	16	J B	210	6.2	ug/Kg	1	☼	8260B	Total/NA
Barium	20	B	19	0.38	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.11	J B	0.19	0.020	mg/Kg	1	☼	6010B	Total/NA
Chromium	13	B	0.47	0.070	mg/Kg	1	☼	6010B	Total/NA
Arsenic	2.4		0.94	0.38	mg/Kg	1	☼	6010B	Total/NA
Lead	1.8		0.28	0.19	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: S-150225-RA-03 — Lab Sample ID: 240-47640-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	100	J	280	13	ug/Kg	1	☼	8260B	Total/NA
Barium	55	B	15	0.31	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.21	B	0.15	0.016	mg/Kg	1	☼	6010B	Total/NA
Chromium	17	B	0.37	0.056	mg/Kg	1	☼	6010B	Total/NA
Arsenic	3.6		0.75	0.31	mg/Kg	1	☼	6010B	Total/NA
Lead	12		0.22	0.15	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.022	J	0.092	0.013	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: S-150225-RA-04 — Lab Sample ID: 240-47640-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	22	B	17	0.36	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.066	J B	0.17	0.018	mg/Kg	1	☼	6010B	Total/NA
Chromium	11	B	0.44	0.066	mg/Kg	1	☼	6010B	Total/NA
Arsenic	1.1		0.87	0.36	mg/Kg	1	☼	6010B	Total/NA
Lead	1.4		0.26	0.17	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: S-150225-RA-05 — Lab Sample ID: 240-47640-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	15	J	330	7.1	ug/Kg	1	☼	8260B	Total/NA
Styrene	16	J	330	7.3	ug/Kg	1	☼	8260B	Total/NA
Tetrachloroethene	83	J	330	16	ug/Kg	1	☼	8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: S-150225-RA-05 (Continued)

Lab Sample ID: 240-47640-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	28	J	330	22	ug/Kg	1	☼	8260B	Total/NA
Xylenes, Total	43	J	650	8.1	ug/Kg	1	☼	8260B	Total/NA
Methyl acetate	140	J	650	33	ug/Kg	1	☼	8260B	Total/NA
Methylcyclohexane	73	J	650	16	ug/Kg	1	☼	8260B	Total/NA
Barium	60	B	21	0.42	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.27	B	0.21	0.022	mg/Kg	1	☼	6010B	Total/NA
Chromium	13	B	0.51	0.077	mg/Kg	1	☼	6010B	Total/NA
Arsenic	4.0		1.0	0.42	mg/Kg	1	☼	6010B	Total/NA
Lead	110		0.31	0.21	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.14		0.12	0.017	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: S-150225-RA-06

Lab Sample ID: 240-47640-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	17	J	410	8.8	ug/Kg	1	☼	8260B	Total/NA
Styrene	11	J	410	9.2	ug/Kg	1	☼	8260B	Total/NA
Tetrachloroethene	76	J	410	20	ug/Kg	1	☼	8260B	Total/NA
Toluene	29	J	410	28	ug/Kg	1	☼	8260B	Total/NA
Xylenes, Total	57	J	820	10	ug/Kg	1	☼	8260B	Total/NA
Methylcyclohexane	120	J	820	20	ug/Kg	1	☼	8260B	Total/NA
Barium	94	B	21	0.44	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.47	B	0.21	0.022	mg/Kg	1	☼	6010B	Total/NA
Chromium	9.6	B	0.53	0.080	mg/Kg	1	☼	6010B	Total/NA
Arsenic	5.4		1.1	0.44	mg/Kg	1	☼	6010B	Total/NA
Lead	150		0.32	0.21	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.44	J	0.53	0.36	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.24		0.13	0.019	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: S-150225-RA-07

Lab Sample ID: 240-47640-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2100		1000	170	ug/Kg	1	☼	8260B	Total/NA
Methylene Chloride	110	J	250	78	ug/Kg	1	☼	8260B	Total/NA
Styrene	11	J	250	5.7	ug/Kg	1	☼	8260B	Total/NA
Barium	8.4	J B	18	0.38	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.063	J B	0.18	0.019	mg/Kg	1	☼	6010B	Total/NA
Chromium	15	B	0.46	0.069	mg/Kg	1	☼	6010B	Total/NA
Arsenic	0.86	J	0.92	0.38	mg/Kg	1	☼	6010B	Total/NA
Lead	1.3		0.28	0.18	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: S-150225-RA-08

Lab Sample ID: 240-47640-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	310	J	1100	190	ug/Kg	1	☼	8260B	Total/NA
Ethylbenzene	6.2	J	270	5.9	ug/Kg	1	☼	8260B	Total/NA
Methylene Chloride	170	J	270	84	ug/Kg	1	☼	8260B	Total/NA
Styrene	10	J	270	6.1	ug/Kg	1	☼	8260B	Total/NA
Tetrachloroethene	20	J	270	13	ug/Kg	1	☼	8260B	Total/NA
Xylenes, Total	7.5	J	550	6.8	ug/Kg	1	☼	8260B	Total/NA
Barium	70	B	18	0.37	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: S-150225-RA-08 (Continued)

Lab Sample ID: 240-47640-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.081	J B	0.18	0.019	mg/Kg	1	☼	6010B	Total/NA
Chromium	15	B	0.45	0.068	mg/Kg	1	☼	6010B	Total/NA
Arsenic	1.9		0.91	0.37	mg/Kg	1	☼	6010B	Total/NA
Lead	2.9		0.27	0.18	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.024	J	0.12	0.017	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: S-150225-RA-09

Lab Sample ID: 240-47640-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	27	B	15	0.30	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.092	J B	0.15	0.015	mg/Kg	1	☼	6010B	Total/NA
Chromium	12	B	0.36	0.055	mg/Kg	1	☼	6010B	Total/NA
Arsenic	1.0		0.73	0.30	mg/Kg	1	☼	6010B	Total/NA
Lead	1.5		0.22	0.15	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: S-150225-RA-10

Lab Sample ID: 240-47640-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	200	J	460	140	ug/Kg	1	☼	8260B	Total/NA
Barium	31	B	20	0.41	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.12	J B	0.20	0.021	mg/Kg	1	☼	6010B	Total/NA
Chromium	10	B	0.50	0.075	mg/Kg	1	☼	6010B	Total/NA
Arsenic	1.7		1.0	0.41	mg/Kg	1	☼	6010B	Total/NA
Lead	4.6		0.30	0.20	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.024	J	0.091	0.013	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: S-150225-RA-11

Lab Sample ID: 240-47640-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4500		1100	190	ug/Kg	1	☼	8260B	Total/NA
Methylene Chloride	190	J	280	86	ug/Kg	1	☼	8260B	Total/NA
Styrene	12	J	280	6.3	ug/Kg	1	☼	8260B	Total/NA
Toluene	44	J	280	19	ug/Kg	1	☼	8260B	Total/NA
Xylenes, Total	7.7	J	560	7.0	ug/Kg	1	☼	8260B	Total/NA
Barium	20	B	18	0.37	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.12	J B	0.18	0.019	mg/Kg	1	☼	6010B	Total/NA
Chromium	12	B	0.46	0.069	mg/Kg	1	☼	6010B	Total/NA
Arsenic	1.4		0.91	0.37	mg/Kg	1	☼	6010B	Total/NA
Lead	1.6		0.27	0.18	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: S-150225-RA-01
Date Collected: 02/25/15 09:00
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47640-1
Matrix: Solid
Percent Solids: 97.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**8.2**	**J H B**	21	6.6	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
Benzene	5.2	U H	5.2	0.24	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
Dichlorobromomethane	5.2	U H	5.2	0.29	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
Bromoform	5.2	U H	5.2	0.34	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
Bromomethane	5.2	U H	5.2	0.56	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
2-Butanone (MEK)	**5.2**	**J H**	21	1.5	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
Carbon disulfide	5.2	U H	5.2	0.46	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
Carbon tetrachloride	5.2	U H	5.2	0.39	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
Chlorobenzene	5.2	U H	5.2	0.34	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
Chloroethane	5.2	U H	5.2	0.90	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
Chloroform	5.2	U H	5.2	0.30	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
Chloromethane	5.2	U H	5.2	0.43	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
1,1-Dichloroethane	5.2	U H	5.2	0.38	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
1,2-Dichloroethane	5.2	U H	5.2	0.35	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
1,1-Dichloroethene	5.2	U H	5.2	0.54	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
1,2-Dichloropropane	5.2	U H	5.2	0.72	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
cis-1,3-Dichloropropene	5.2	U H	5.2	0.35	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
trans-1,3-Dichloropropene	5.2	U H	5.2	0.56	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
Ethylbenzene	5.2	U H	5.2	0.27	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
2-Hexanone	21	U H	21	0.66	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
Methylene Chloride	5.2	U H	5.2	0.70	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
4-Methyl-2-pentanone (MIBK)	21	U H	21	0.56	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
Styrene	**0.24**	**J H**	5.2	0.16	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
1,1,2,2-Tetrachloroethane	5.2	U H	5.2	0.35	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
Tetrachloroethene	**410**	**H E**	5.2	0.54	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
Toluene	**0.37**	**J H**	5.2	0.28	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
Trichloroethene	**2.1**	**J H**	5.2	0.44	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
Vinyl chloride	5.2	U H	5.2	0.41	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
Xylenes, Total	10	U H	10	0.37	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
1,1,1-Trichloroethane	5.2	U H	5.2	0.58	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
1,1,2-Trichloroethane	5.2	U H	5.2	0.41	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
Cyclohexane	10	U H	10	0.34	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
1,2-Dibromo-3-Chloropropane	10	U H	10	1.4	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
Ethylene Dibromide	5.2	U H	5.2	0.52	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
Dichlorodifluoromethane	5.2	U H	5.2	0.52	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
cis-1,2-Dichloroethene	5.2	U H	5.2	0.38	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
trans-1,2-Dichloroethene	5.2	U H	5.2	0.43	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
Isopropylbenzene	5.2	U H	5.2	0.17	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
Methyl acetate	**2.6**	**J H B**	10	1.5	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
Methyl tert-butyl ether	5.2	U H	5.2	0.45	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.2	U H	5.2	1.4	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
1,2,4-Trichlorobenzene	5.2	U H	5.2	0.28	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
1,2-Dichlorobenzene	5.2	U H	5.2	0.38	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
1,3-Dichlorobenzene	5.2	U H	5.2	0.37	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
1,4-Dichlorobenzene	5.2	U H	5.2	0.69	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
Trichlorofluoromethane	5.2	U H	5.2	0.35	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
Chlorodibromomethane	5.2	U H	5.2	0.57	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1
Methylcyclohexane	10	U H	10	0.32	ug/Kg	☼	02/27/15 12:45	03/03/15 10:47	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86119 City of Wausau Chemical Brownfield

TestAmerica Job ID: 240-47640-1

Client Sample ID: S-150225-RA-01
Date Collected: 02/25/15 09:00
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47640-1
Matrix: Solid
Percent Solids: 97.1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*58 - 123*	*02/27/15 12:45*	*03/03/15 10:47*	*1*
4-Bromofluorobenzene (Surr)	*93*		*52 - 136*	*02/27/15 12:45*	*03/03/15 10:47*	*1*
Toluene-d8 (Surr)	*100*		*67 - 125*	*02/27/15 12:45*	*03/03/15 10:47*	*1*
Dibromofluoromethane (Surr)	*103*		*37 - 132*	*02/27/15 12:45*	*03/03/15 10:47*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**50**	**B**	19	0.39	mg/Kg	☼	03/02/15 10:49	03/03/15 17:30	1
Cadmium	**0.14**	**J B**	0.19	0.020	mg/Kg	☼	03/02/15 10:49	03/03/15 17:30	1
Chromium	**5.6**	**B**	0.47	0.071	mg/Kg	☼	03/02/15 10:49	03/03/15 17:30	1
Silver	0.94	U L	0.94	0.12	mg/Kg	☼	03/02/15 10:49	03/04/15 10:19	2
Arsenic	**4.6**		0.94	0.39	mg/Kg	☼	03/02/15 10:49	03/03/15 17:30	1
Lead	**13**		0.28	0.19	mg/Kg	☼	03/02/15 10:49	03/03/15 17:30	1
Selenium	0.47	U	0.47	0.32	mg/Kg	☼	03/02/15 10:49	03/03/15 17:30	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.10	U	0.10	0.014	mg/Kg	☼	03/02/15 15:10	03/03/15 12:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**97**		0.10	0.10	%			03/02/15 15:09	1
Percent Moisture	**2.9**		0.10	0.10	%			03/02/15 15:09	1

Client Sample ID: S-150225-RA-02
Date Collected: 02/25/15 09:00
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47640-2
Matrix: Solid
Percent Solids: 90.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	850	U	850	140	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
Benzene	210	U	210	10	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
Dichlorobromomethane	210	U	210	8.4	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
Bromoform	210	U	210	16	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
Bromomethane	210	U	210	25	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
2-Butanone (MEK)	850	U	850	37	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
Carbon disulfide	210	U	210	10	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
Carbon tetrachloride	210	U	210	5.5	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
Chlorobenzene	210	U	210	5.5	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
Chloroethane	210	U	210	52	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
Chloroform	210	U	210	7.5	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
Chloromethane	210	U	210	12	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
1,1-Dichloroethane	210	U	210	14	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
1,2-Dichloroethane	210	U	210	8.5	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
1,1-Dichloroethene	210	U	210	15	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
1,2-Dichloropropane	210	U	210	7.0	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
cis-1,3-Dichloropropene	210	U	210	6.7	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
trans-1,3-Dichloropropene	210	U	210	17	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
Ethylbenzene	210	U	210	4.6	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
2-Hexanone	850	U	850	17	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
Methylene Chloride	210	U	210	66	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
4-Methyl-2-pentanone (MIBK)	850	U	850	41	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
Styrene	210	U	210	4.8	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
1,1,2,2-Tetrachloroethane	210	U	210	7.6	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
Tetrachloroethene	78	J	210	10	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
Toluene	210	U	210	14	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
Trichloroethene	210	U	210	8.3	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
Vinyl chloride	210	U	210	15	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
Xylenes, Total	430	U	430	5.3	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
1,1,1-Trichloroethane	210	U	210	18	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
1,1,2-Trichloroethane	210	U	210	10	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
Cyclohexane	430	U	430	34	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
1,2-Dibromo-3-Chloropropane	430	U	430	43	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
Ethylene Dibromide	210	U	210	8.5	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
Dichlorodifluoromethane	210	U	210	14	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
cis-1,2-Dichloroethene	210	U	210	5.9	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
trans-1,2-Dichloroethene	210	U	210	7.8	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
Isopropylbenzene	210	U	210	5.5	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
Methyl acetate	430	U	430	21	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
Methyl tert-butyl ether	210	U	210	6.1	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	210	U	210	33	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
1,2,4-Trichlorobenzene	16	J B	210	6.2	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
1,2-Dichlorobenzene	210	U	210	7.3	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
1,3-Dichlorobenzene	210	U	210	4.1	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
1,4-Dichlorobenzene	210	U	210	6.8	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
Trichlorofluoromethane	210	U	210	14	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
Chlorodibromomethane	210	U	210	10	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1
Methylcyclohexane	430	U	430	10	ug/Kg	☼	03/02/15 10:30	03/04/15 11:36	1

Client Sample ID: S-150225-RA-02
Date Collected: 02/25/15 09:00
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47640-2
Matrix: Solid
Percent Solids: 90.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*39 - 128*	*03/02/15 10:30*	*03/04/15 11:36*	*1*
4-Bromofluorobenzene (Surr)	*110*		*26 - 141*	*03/02/15 10:30*	*03/04/15 11:36*	*1*
Toluene-d8 (Surr)	*107*		*33 - 134*	*03/02/15 10:30*	*03/04/15 11:36*	*1*
Dibromofluoromethane (Surr)	*102*		*30 - 122*	*03/02/15 10:30*	*03/04/15 11:36*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**20**	**B**	19	0.38	mg/Kg	☼	03/02/15 10:49	03/03/15 17:58	1
Cadmium	**0.11**	**J B**	0.19	0.020	mg/Kg	☼	03/02/15 10:49	03/03/15 17:58	1
Chromium	**13**	**B**	0.47	0.070	mg/Kg	☼	03/02/15 10:49	03/03/15 17:58	1
Silver	0.47	U	0.47	0.059	mg/Kg	☼	03/02/15 10:49	03/03/15 17:58	1
Arsenic	**2.4**		0.94	0.38	mg/Kg	☼	03/02/15 10:49	03/03/15 17:58	1
Lead	**1.8**		0.28	0.19	mg/Kg	☼	03/02/15 10:49	03/03/15 17:58	1
Selenium	0.47	U	0.47	0.32	mg/Kg	☼	03/02/15 10:49	03/03/15 17:58	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.096	U	0.096	0.013	mg/Kg	☼	03/02/15 15:10	03/03/15 12:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**90**		0.10	0.10	%			03/02/15 15:09	1
Percent Moisture	**9.5**		0.10	0.10	%			03/02/15 15:09	1

Client Sample ID: S-150225-RA-03
Date Collected: 02/25/15 09:45
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47640-3
Matrix: Solid
Percent Solids: 96.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1100	U	1100	190	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
Benzene	280	U	280	13	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
Dichlorobromomethane	280	U	280	11	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
Bromoform	280	U	280	21	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
Bromomethane	280	U	280	33	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
2-Butanone (MEK)	1100	U	1100	48	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
Carbon disulfide	280	U	280	13	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
Carbon tetrachloride	280	U	280	7.2	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
Chlorobenzene	280	U	280	7.2	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
Chloroethane	280	U	280	68	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
Chloroform	280	U	280	9.9	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
Chloromethane	280	U	280	16	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
1,1-Dichloroethane	280	U	280	19	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
1,2-Dichloroethane	280	U	280	11	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
1,1-Dichloroethene	280	U	280	20	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
1,2-Dichloropropane	280	U	280	9.2	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
cis-1,3-Dichloropropene	280	U	280	8.9	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
trans-1,3-Dichloropropene	280	U	280	22	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
Ethylbenzene	280	U	280	6.1	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
2-Hexanone	1100	U	1100	22	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
Methylene Chloride	280	U	280	86	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
4-Methyl-2-pentanone (MIBK)	1100	U	1100	54	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
Styrene	280	U	280	6.3	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
1,1,2,2-Tetrachloroethane	280	U	280	10	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
Tetrachloroethene	**100**	**J**	280	13	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
Toluene	280	U	280	19	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
Trichloroethene	280	U	280	11	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
Vinyl chloride	280	U	280	20	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
Xylenes, Total	560	U	560	7.0	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
1,1,1-Trichloroethane	280	U	280	24	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
1,1,2-Trichloroethane	280	U	280	13	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
Cyclohexane	560	U	560	45	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
1,2-Dibromo-3-Chloropropane	560	U	560	56	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
Ethylene Dibromide	280	U	280	11	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
Dichlorodifluoromethane	280	U	280	18	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
cis-1,2-Dichloroethene	280	U	280	7.7	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
trans-1,2-Dichloroethene	280	U	280	10	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
Isopropylbenzene	280	U	280	7.3	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
Methyl acetate	560	U	560	28	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
Methyl tert-butyl ether	280	U	280	8.0	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	280	U	280	44	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
1,2,4-Trichlorobenzene	280	U	280	8.2	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
1,2-Dichlorobenzene	280	U	280	9.6	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
1,3-Dichlorobenzene	280	U	280	5.4	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
1,4-Dichlorobenzene	280	U	280	9.0	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
Trichlorofluoromethane	280	U	280	18	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
Chlorodibromomethane	280	U	280	13	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1
Methylcyclohexane	560	U	560	13	ug/Kg	☼	03/02/15 10:30	03/04/15 11:57	1

Client Sample ID: S-150225-RA-03
Date Collected: 02/25/15 09:45
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47640-3
Matrix: Solid
Percent Solids: 96.9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*130*	*X*	*39 - 128*	*03/02/15 10:30*	*03/04/15 11:57*	*1*
4-Bromofluorobenzene (Surr)	*118*		*26 - 141*	*03/02/15 10:30*	*03/04/15 11:57*	*1*
Toluene-d8 (Surr)	*113*		*33 - 134*	*03/02/15 10:30*	*03/04/15 11:57*	*1*
Dibromofluoromethane (Surr)	*109*		*30 - 122*	*03/02/15 10:30*	*03/04/15 11:57*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**55**	**B**	15	0.31	mg/Kg	☼	03/02/15 10:49	03/03/15 18:02	1
Cadmium	**0.21**	**B**	0.15	0.016	mg/Kg	☼	03/02/15 10:49	03/03/15 18:02	1
Chromium	**17**	**B**	0.37	0.056	mg/Kg	☼	03/02/15 10:49	03/03/15 18:02	1
Silver	0.37	U	0.37	0.047	mg/Kg	☼	03/02/15 10:49	03/03/15 18:02	1
Arsenic	**3.6**		0.75	0.31	mg/Kg	☼	03/02/15 10:49	03/03/15 18:02	1
Lead	**12**		0.22	0.15	mg/Kg	☼	03/02/15 10:49	03/03/15 18:02	1
Selenium	0.37	U	0.37	0.25	mg/Kg	☼	03/02/15 10:49	03/03/15 18:02	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.022**	**J**	0.092	0.013	mg/Kg	☼	03/02/15 15:10	03/03/15 12:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**97**		0.10	0.10	%			03/02/15 15:09	1
Percent Moisture	**3.1**		0.10	0.10	%			03/02/15 15:09	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86119 City of Wausau Chemical Brownfield

TestAmerica Job ID: 240-47640-1

Client Sample ID: S-150225-RA-04
Date Collected: 02/25/15 09:45
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47640-4
Matrix: Solid
Percent Solids: 97.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	930	U	930	160	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
Benzene	230	U	230	11	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
Dichlorobromomethane	230	U	230	9.2	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
Bromoform	230	U	230	18	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
Bromomethane	230	U	230	27	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
2-Butanone (MEK)	930	U	930	40	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
Carbon disulfide	230	U	230	11	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
Carbon tetrachloride	230	U	230	6.0	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
Chlorobenzene	230	U	230	6.0	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
Chloroethane	230	U	230	57	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
Chloroform	230	U	230	8.2	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
Chloromethane	230	U	230	13	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
1,1-Dichloroethane	230	U	230	16	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
1,2-Dichloroethane	230	U	230	9.3	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
1,1-Dichloroethene	230	U	230	17	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
1,2-Dichloropropane	230	U	230	7.7	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
cis-1,3-Dichloropropene	230	U	230	7.4	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
trans-1,3-Dichloropropene	230	U	230	19	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
Ethylbenzene	230	U	230	5.0	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
2-Hexanone	930	U	930	19	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
Methylene Chloride	230	U	230	72	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
4-Methyl-2-pentanone (MIBK)	930	U	930	45	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
Styrene	230	U	230	5.2	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
1,1,2,2-Tetrachloroethane	230	U	230	8.3	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
Tetrachloroethene	230	U	230	11	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
Toluene	230	U	230	16	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
Trichloroethene	230	U	230	9.1	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
Vinyl chloride	230	U	230	17	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
Xylenes, Total	470	U	470	5.8	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
1,1,1-Trichloroethane	230	U	230	20	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
1,1,2-Trichloroethane	230	U	230	11	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
Cyclohexane	470	U	470	37	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
1,2-Dibromo-3-Chloropropane	470	U	470	47	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
Ethylene Dibromide	230	U	230	9.3	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
Dichlorodifluoromethane	230	U	230	15	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
cis-1,2-Dichloroethene	230	U	230	6.4	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
trans-1,2-Dichloroethene	230	U	230	8.6	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
Isopropylbenzene	230	U	230	6.1	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
Methyl acetate	470	U	470	23	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
Methyl tert-butyl ether	230	U	230	6.6	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	230	U	230	36	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
1,2,4-Trichlorobenzene	230	U	230	6.8	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
1,2-Dichlorobenzene	230	U	230	8.0	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
1,3-Dichlorobenzene	230	U	230	4.5	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
1,4-Dichlorobenzene	230	U	230	7.5	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
Trichlorofluoromethane	230	U	230	15	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
Chlorodibromomethane	230	U	230	11	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1
Methylcyclohexane	470	U	470	11	ug/Kg	☼	03/02/15 10:30	03/04/15 12:18	1

Client Sample ID: S-150225-RA-04
Date Collected: 02/25/15 09:45
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47640-4
Matrix: Solid
Percent Solids: 97.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*126*		*39 - 128*	*03/02/15 10:30*	*03/04/15 12:18*	*1*
4-Bromofluorobenzene (Surr)	*115*		*26 - 141*	*03/02/15 10:30*	*03/04/15 12:18*	*1*
Toluene-d8 (Surr)	*113*		*33 - 134*	*03/02/15 10:30*	*03/04/15 12:18*	*1*
Dibromofluoromethane (Surr)	*107*		*30 - 122*	*03/02/15 10:30*	*03/04/15 12:18*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**22**	**B**	17	0.36	mg/Kg	☼	03/02/15 10:49	03/03/15 18:06	1
Cadmium	**0.066**	**J B**	0.17	0.018	mg/Kg	☼	03/02/15 10:49	03/03/15 18:06	1
Chromium	**11**	**B**	0.44	0.066	mg/Kg	☼	03/02/15 10:49	03/03/15 18:06	1
Silver	0.44	U	0.44	0.055	mg/Kg	☼	03/02/15 10:49	03/03/15 18:06	1
Arsenic	**1.1**		0.87	0.36	mg/Kg	☼	03/02/15 10:49	03/03/15 18:06	1
Lead	**1.4**		0.26	0.17	mg/Kg	☼	03/02/15 10:49	03/03/15 18:06	1
Selenium	0.44	U	0.44	0.30	mg/Kg	☼	03/02/15 10:49	03/03/15 18:06	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11	U	0.11	0.015	mg/Kg	☼	03/02/15 15:10	03/03/15 12:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**97**		0.10	0.10	%			03/02/15 15:09	1
Percent Moisture	**3.0**		0.10	0.10	%			03/02/15 15:09	1

Client Sample ID: S-150225-RA-05
Date Collected: 02/25/15 10:45
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47640-5
Matrix: Solid
Percent Solids: 83.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1300	U	1300	220	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
Benzene	330	U	330	16	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
Dichlorobromomethane	330	U	330	13	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
Bromoform	330	U	330	25	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
Bromomethane	330	U	330	38	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
2-Butanone (MEK)	1300	U	1300	56	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
Carbon disulfide	330	U	330	16	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
Carbon tetrachloride	330	U	330	8.4	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
Chlorobenzene	330	U	330	8.4	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
Chloroethane	330	U	330	80	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
Chloroform	330	U	330	12	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
Chloromethane	330	U	330	18	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
1,1-Dichloroethane	330	U	330	22	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
1,2-Dichloroethane	330	U	330	13	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
1,1-Dichloroethene	330	U	330	24	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
1,2-Dichloropropane	330	U	330	11	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
cis-1,3-Dichloropropene	330	U	330	10	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
trans-1,3-Dichloropropene	330	U	330	26	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
Ethylbenzene	**15**	**J**	330	7.1	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
2-Hexanone	1300	U	1300	26	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
Methylene Chloride	330	U	330	100	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
4-Methyl-2-pentanone (MIBK)	1300	U	1300	63	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
Styrene	**16**	**J**	330	7.3	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
1,1,2,2-Tetrachloroethane	330	U	330	12	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
Tetrachloroethene	**83**	**J**	330	16	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
Toluene	**28**	**J**	330	22	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
Trichloroethene	330	U	330	13	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
Vinyl chloride	330	U	330	24	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
Xylenes, Total	**43**	**J**	650	8.1	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
1,1,1-Trichloroethane	330	U	330	27	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
1,1,2-Trichloroethane	330	U	330	16	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
Cyclohexane	650	U	650	52	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
1,2-Dibromo-3-Chloropropane	650	U	650	65	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
Ethylene Dibromide	330	U	330	13	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
Dichlorodifluoromethane	330	U	330	21	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
cis-1,2-Dichloroethene	330	U	330	9.0	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
trans-1,2-Dichloroethene	330	U	330	12	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
Isopropylbenzene	330	U	330	8.5	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
Methyl acetate	**140**	**J**	650	33	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
Methyl tert-butyl ether	330	U	330	9.3	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	330	U	330	51	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
1,2,4-Trichlorobenzene	330	U	330	9.5	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
1,2-Dichlorobenzene	330	U	330	11	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
1,3-Dichlorobenzene	330	U	330	6.3	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
1,4-Dichlorobenzene	330	U	330	10	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
Trichlorofluoromethane	330	U	330	21	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
Chlorodibromomethane	330	U	330	16	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1
Methylcyclohexane	**73**	**J**	650	16	ug/Kg	☼	03/02/15 10:30	03/04/15 15:40	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86119 City of Wausau Chemical Brownfield

TestAmerica Job ID: 240-47640-1

Client Sample ID: S-150225-RA-05
Date Collected: 02/25/15 10:45
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47640-5
Matrix: Solid
Percent Solids: 83.3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*39 - 128*	*03/02/15 10:30*	*03/04/15 15:40*	*1*
4-Bromofluorobenzene (Surr)	*91*		*26 - 141*	*03/02/15 10:30*	*03/04/15 15:40*	*1*
Toluene-d8 (Surr)	*100*		*33 - 134*	*03/02/15 10:30*	*03/04/15 15:40*	*1*
Dibromofluoromethane (Surr)	*102*		*30 - 122*	*03/02/15 10:30*	*03/04/15 15:40*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**60**	**B**	21	0.42	mg/Kg	☼	03/02/15 10:49	03/03/15 18:11	1
Cadmium	**0.27**	**B**	0.21	0.022	mg/Kg	☼	03/02/15 10:49	03/03/15 18:11	1
Chromium	**13**	**B**	0.51	0.077	mg/Kg	☼	03/02/15 10:49	03/03/15 18:11	1
Silver	0.51	U	0.51	0.065	mg/Kg	☼	03/02/15 10:49	03/03/15 18:11	1
Arsenic	**4.0**		1.0	0.42	mg/Kg	☼	03/02/15 10:49	03/03/15 18:11	1
Lead	**110**		0.31	0.21	mg/Kg	☼	03/02/15 10:49	03/03/15 18:11	1
Selenium	0.51	U	0.51	0.35	mg/Kg	☼	03/02/15 10:49	03/03/15 18:11	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.14**		0.12	0.017	mg/Kg	☼	03/02/15 15:10	03/03/15 12:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**83**		0.10	0.10	%			03/02/15 15:09	1
Percent Moisture	**17**		0.10	0.10	%			03/02/15 15:09	1

Client Sample ID: S-150225-RA-06
Date Collected: 02/25/15 10:45
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47640-6
Matrix: Solid
Percent Solids: 83.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1600	U	1600	280	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
Benzene	410	U	410	20	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
Dichlorobromomethane	410	U	410	16	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
Bromoform	410	U	410	31	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
Bromomethane	410	U	410	47	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
2-Butanone (MEK)	1600	U	1600	70	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
Carbon disulfide	410	U	410	20	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
Carbon tetrachloride	410	U	410	10	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
Chlorobenzene	410	U	410	10	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
Chloroethane	410	U	410	100	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
Chloroform	410	U	410	14	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
Chloromethane	410	U	410	23	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
1,1-Dichloroethane	410	U	410	28	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
1,2-Dichloroethane	410	U	410	16	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
1,1-Dichloroethene	410	U	410	29	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
1,2-Dichloropropane	410	U	410	13	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
cis-1,3-Dichloropropene	410	U	410	13	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
trans-1,3-Dichloropropene	410	U	410	33	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
Ethylbenzene	**17**	**J**	410	8.8	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
2-Hexanone	1600	U	1600	33	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
Methylene Chloride	410	U	410	130	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
4-Methyl-2-pentanone (MIBK)	1600	U	1600	79	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
Styrene	**11**	**J**	410	9.2	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
1,1,2,2-Tetrachloroethane	410	U	410	15	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
Tetrachloroethene	**76**	**J**	410	20	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
Toluene	**29**	**J**	410	28	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
Trichloroethene	410	U	410	16	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
Vinyl chloride	410	U	410	29	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
Xylenes, Total	**57**	**J**	820	10	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
1,1,1-Trichloroethane	410	U	410	34	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
1,1,2-Trichloroethane	410	U	410	20	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
Cyclohexane	820	U	820	66	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
1,2-Dibromo-3-Chloropropane	820	U	820	82	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
Ethylene Dibromide	410	U	410	16	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
Dichlorodifluoromethane	410	U	410	26	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
cis-1,2-Dichloroethene	410	U	410	11	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
trans-1,2-Dichloroethene	410	U	410	15	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
Isopropylbenzene	410	U	410	11	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
Methyl acetate	820	U	820	41	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
Methyl tert-butyl ether	410	U	410	12	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	410	U	410	64	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
1,2,4-Trichlorobenzene	410	U	410	12	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
1,2-Dichlorobenzene	410	U	410	14	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
1,3-Dichlorobenzene	410	U	410	7.9	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
1,4-Dichlorobenzene	410	U	410	13	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
Trichlorofluoromethane	410	U	410	26	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
Chlorodibromomethane	410	U	410	20	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1
Methylcyclohexane	**120**	**J**	820	20	ug/Kg	☼	03/02/15 10:30	03/04/15 16:01	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86119 City of Wausau Chemical Brownfield

TestAmerica Job ID: 240-47640-1

Client Sample ID: S-150225-RA-06
Date Collected: 02/25/15 10:45
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47640-6
Matrix: Solid
Percent Solids: 83.4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*39 - 128*	*03/02/15 10:30*	*03/04/15 16:01*	*1*
4-Bromofluorobenzene (Surr)	*89*		*26 - 141*	*03/02/15 10:30*	*03/04/15 16:01*	*1*
Toluene-d8 (Surr)	*93*		*33 - 134*	*03/02/15 10:30*	*03/04/15 16:01*	*1*
Dibromofluoromethane (Surr)	*102*		*30 - 122*	*03/02/15 10:30*	*03/04/15 16:01*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**94**	**B**	21	0.44	mg/Kg	☼	03/02/15 10:49	03/03/15 18:15	1
Cadmium	**0.47**	**B**	0.21	0.022	mg/Kg	☼	03/02/15 10:49	03/03/15 18:15	1
Chromium	**9.6**	**B**	0.53	0.080	mg/Kg	☼	03/02/15 10:49	03/03/15 18:15	1
Silver	0.53	U	0.53	0.067	mg/Kg	☼	03/02/15 10:49	03/03/15 18:15	1
Arsenic	**5.4**		1.1	0.44	mg/Kg	☼	03/02/15 10:49	03/03/15 18:15	1
Lead	**150**		0.32	0.21	mg/Kg	☼	03/02/15 10:49	03/03/15 18:15	1
Selenium	**0.44**	**J**	0.53	0.36	mg/Kg	☼	03/02/15 10:49	03/03/15 18:15	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.24**		0.13	0.019	mg/Kg	☼	03/02/15 15:10	03/03/15 12:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**83**		0.10	0.10	%			03/02/15 15:09	1
Percent Moisture	**17**		0.10	0.10	%			03/02/15 15:09	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86119 City of Wausau Chemical Brownfield

TestAmerica Job ID: 240-47640-1

Client Sample ID: S-150225-RA-07
Date Collected: 02/25/15 10:45
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47640-7
Matrix: Solid
Percent Solids: 97.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2100**		1000	170	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
Benzene	250	U	250	12	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
Dichlorobromomethane	250	U	250	10	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
Bromoform	250	U	250	19	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
Bromomethane	250	U	250	29	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
2-Butanone (MEK)	1000	U	1000	43	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
Carbon disulfide	250	U	250	12	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
Carbon tetrachloride	250	U	250	6.5	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
Chlorobenzene	250	U	250	6.5	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
Chloroethane	250	U	250	62	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
Chloroform	250	U	250	8.9	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
Chloromethane	250	U	250	14	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
1,1-Dichloroethane	250	U	250	17	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
1,2-Dichloroethane	250	U	250	10	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
1,1-Dichloroethene	250	U	250	18	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
1,2-Dichloropropane	250	U	250	8.3	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
cis-1,3-Dichloropropene	250	U	250	8.0	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
trans-1,3-Dichloropropene	250	U	250	20	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
Ethylbenzene	250	U	250	5.5	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
2-Hexanone	1000	U	1000	20	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
Methylene Chloride	**110**	**J**	250	78	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
4-Methyl-2-pentanone (MIBK)	1000	U	1000	48	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
Styrene	**11**	**J**	250	5.7	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
1,1,2,2-Tetrachloroethane	250	U	250	9.0	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
Tetrachloroethene	250	U	250	12	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
Toluene	250	U	250	17	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
Trichloroethene	250	U	250	9.8	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
Vinyl chloride	250	U	250	18	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
Xylenes, Total	510	U	510	6.3	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
1,1,1-Trichloroethane	250	U	250	21	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
1,1,2-Trichloroethane	250	U	250	12	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
Cyclohexane	510	U	510	40	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
1,2-Dibromo-3-Chloropropane	510	U	510	51	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
Ethylene Dibromide	250	U	250	10	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
Dichlorodifluoromethane	250	U	250	16	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
cis-1,2-Dichloroethene	250	U	250	7.0	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
trans-1,2-Dichloroethene	250	U	250	9.3	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
Isopropylbenzene	250	U	250	6.6	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
Methyl acetate	510	U	510	25	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
Methyl tert-butyl ether	250	U	250	7.2	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	250	U	250	39	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
1,2,4-Trichlorobenzene	250	U	250	7.4	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
1,2-Dichlorobenzene	250	U	250	8.7	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
1,3-Dichlorobenzene	250	U	250	4.8	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
1,4-Dichlorobenzene	250	U	250	8.1	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
Trichlorofluoromethane	250	U	250	16	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
Chlorodibromomethane	250	U	250	12	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1
Methylcyclohexane	510	U	510	12	ug/Kg	☼	03/02/15 10:30	03/04/15 16:23	1

Client Sample ID: S-150225-RA-07
Date Collected: 02/25/15 10:45
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47640-7
Matrix: Solid
Percent Solids: 97.3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*138*	*X*	*39 - 128*	*03/02/15 10:30*	*03/04/15 16:23*	*1*
4-Bromofluorobenzene (Surr)	*118*		*26 - 141*	*03/02/15 10:30*	*03/04/15 16:23*	*1*
Toluene-d8 (Surr)	*123*		*33 - 134*	*03/02/15 10:30*	*03/04/15 16:23*	*1*
Dibromofluoromethane (Surr)	*125*	*X*	*30 - 122*	*03/02/15 10:30*	*03/04/15 16:23*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**8.4**	**J B**	18	0.38	mg/Kg	☼	03/02/15 10:49	03/03/15 18:19	1
Cadmium	**0.063**	**J B**	0.18	0.019	mg/Kg	☼	03/02/15 10:49	03/03/15 18:19	1
Chromium	**15**	**B**	0.46	0.069	mg/Kg	☼	03/02/15 10:49	03/03/15 18:19	1
Silver	0.46	U	0.46	0.058	mg/Kg	☼	03/02/15 10:49	03/03/15 18:19	1
Arsenic	**0.86**	**J**	0.92	0.38	mg/Kg	☼	03/02/15 10:49	03/03/15 18:19	1
Lead	**1.3**		0.28	0.18	mg/Kg	☼	03/02/15 10:49	03/03/15 18:19	1
Selenium	0.46	U	0.46	0.31	mg/Kg	☼	03/02/15 10:49	03/03/15 18:19	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.12	U	0.12	0.017	mg/Kg	☼	03/02/15 15:10	03/03/15 12:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**97**		0.10	0.10	%			03/02/15 15:09	1
Percent Moisture	**2.7**		0.10	0.10	%			03/02/15 15:09	1

Client Sample ID: S-150225-RA-08
Date Collected: 02/25/15 11:35
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47640-8
Matrix: Solid
Percent Solids: 90.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**310**	**J**	1100	190	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
Benzene	270	U	270	13	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
Dichlorobromomethane	270	U	270	11	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
Bromoform	270	U	270	21	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
Bromomethane	270	U	270	32	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
2-Butanone (MEK)	1100	U	1100	47	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
Carbon disulfide	270	U	270	13	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
Carbon tetrachloride	270	U	270	7.0	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
Chlorobenzene	270	U	270	7.0	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
Chloroethane	270	U	270	67	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
Chloroform	270	U	270	9.6	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
Chloromethane	270	U	270	15	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
1,1-Dichloroethane	270	U	270	19	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
1,2-Dichloroethane	270	U	270	11	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
1,1-Dichloroethene	270	U	270	20	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
1,2-Dichloropropane	270	U	270	9.0	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
cis-1,3-Dichloropropene	270	U	270	8.6	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
trans-1,3-Dichloropropene	270	U	270	22	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
Ethylbenzene	**6.2**	**J**	270	5.9	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
2-Hexanone	1100	U	1100	22	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
Methylene Chloride	**170**	**J**	270	84	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
4-Methyl-2-pentanone (MIBK)	1100	U	1100	52	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
Styrene	**10**	**J**	270	6.1	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
1,1,2,2-Tetrachloroethane	270	U	270	9.7	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
Tetrachloroethene	**20**	**J**	270	13	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
Toluene	270	U	270	19	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
Trichloroethene	270	U	270	11	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
Vinyl chloride	270	U	270	20	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
Xylenes, Total	**7.5**	**J**	550	6.8	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
1,1,1-Trichloroethane	270	U	270	23	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
1,1,2-Trichloroethane	270	U	270	13	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
Cyclohexane	550	U	550	44	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
1,2-Dibromo-3-Chloropropane	550	U	550	55	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
Ethylene Dibromide	270	U	270	11	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
Dichlorodifluoromethane	270	U	270	17	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
cis-1,2-Dichloroethene	270	U	270	7.5	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
trans-1,2-Dichloroethene	270	U	270	10	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
Isopropylbenzene	270	U	270	7.1	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
Methyl acetate	550	U	550	27	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
Methyl tert-butyl ether	270	U	270	7.8	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	270	U	270	43	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
1,2,4-Trichlorobenzene	270	U	270	8.0	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
1,2-Dichlorobenzene	270	U	270	9.4	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
1,3-Dichlorobenzene	270	U	270	5.2	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
1,4-Dichlorobenzene	270	U	270	8.7	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
Trichlorofluoromethane	270	U	270	17	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
Chlorodibromomethane	270	U	270	13	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1
Methylcyclohexane	550	U	550	13	ug/Kg	☼	03/02/15 10:30	03/04/15 16:44	1

Client Sample ID: S-150225-RA-08
Date Collected: 02/25/15 11:35
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47640-8
Matrix: Solid
Percent Solids: 90.4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*123*		*39 - 128*	*03/02/15 10:30*	*03/04/15 16:44*	*1*
4-Bromofluorobenzene (Surr)	*111*		*26 - 141*	*03/02/15 10:30*	*03/04/15 16:44*	*1*
Toluene-d8 (Surr)	*109*		*33 - 134*	*03/02/15 10:30*	*03/04/15 16:44*	*1*
Dibromofluoromethane (Surr)	*109*		*30 - 122*	*03/02/15 10:30*	*03/04/15 16:44*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**70**	**B**	18	0.37	mg/Kg	☼	03/02/15 10:49	03/03/15 18:23	1
Cadmium	**0.081**	**J B**	0.18	0.019	mg/Kg	☼	03/02/15 10:49	03/03/15 18:23	1
Chromium	**15**	**B**	0.45	0.068	mg/Kg	☼	03/02/15 10:49	03/03/15 18:23	1
Silver	0.45	U	0.45	0.057	mg/Kg	☼	03/02/15 10:49	03/03/15 18:23	1
Arsenic	**1.9**		0.91	0.37	mg/Kg	☼	03/02/15 10:49	03/03/15 18:23	1
Lead	**2.9**		0.27	0.18	mg/Kg	☼	03/02/15 10:49	03/03/15 18:23	1
Selenium	0.45	U	0.45	0.31	mg/Kg	☼	03/02/15 10:49	03/03/15 18:23	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.024**	**J**	0.12	0.017	mg/Kg	☼	03/02/15 15:10	03/03/15 12:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**90**		0.10	0.10	%			03/02/15 15:09	1
Percent Moisture	**9.6**		0.10	0.10	%			03/02/15 15:09	1

Client Sample ID: S-150225-RA-09
Date Collected: 02/25/15 11:35
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47640-9
Matrix: Solid
Percent Solids: 97.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1000	U	1000	170	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
Benzene	250	U	250	12	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
Dichlorobromomethane	250	U	250	10	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
Bromoform	250	U	250	19	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
Bromomethane	250	U	250	30	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
2-Butanone (MEK)	1000	U	1000	44	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
Carbon disulfide	250	U	250	12	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
Carbon tetrachloride	250	U	250	6.5	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
Chlorobenzene	250	U	250	6.5	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
Chloroethane	250	U	250	62	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
Chloroform	250	U	250	9.0	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
Chloromethane	250	U	250	14	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
1,1-Dichloroethane	250	U	250	17	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
1,2-Dichloroethane	250	U	250	10	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
1,1-Dichloroethene	250	U	250	18	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
1,2-Dichloropropane	250	U	250	8.3	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
cis-1,3-Dichloropropene	250	U	250	8.0	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
trans-1,3-Dichloropropene	250	U	250	20	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
Ethylbenzene	250	U	250	5.5	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
2-Hexanone	1000	U	1000	20	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
Methylene Chloride	250	U	250	78	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
4-Methyl-2-pentanone (MIBK)	1000	U	1000	49	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
Styrene	250	U	250	5.7	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
1,1,2,2-Tetrachloroethane	250	U	250	9.1	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
Tetrachloroethene	250	U	250	12	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
Toluene	250	U	250	17	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
Trichloroethene	250	U	250	9.9	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
Vinyl chloride	250	U	250	18	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
Xylenes, Total	510	U	510	6.3	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
1,1,1-Trichloroethane	250	U	250	21	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
1,1,2-Trichloroethane	250	U	250	12	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
Cyclohexane	510	U	510	41	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
1,2-Dibromo-3-Chloropropane	510	U	510	51	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
Ethylene Dibromide	250	U	250	10	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
Dichlorodifluoromethane	250	U	250	16	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
cis-1,2-Dichloroethene	250	U	250	7.0	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
trans-1,2-Dichloroethene	250	U	250	9.4	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
Isopropylbenzene	250	U	250	6.6	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
Methyl acetate	510	U	510	25	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
Methyl tert-butyl ether	250	U	250	7.2	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	250	U	250	40	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
1,2,4-Trichlorobenzene	250	U	250	7.4	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
1,2-Dichlorobenzene	250	U	250	8.8	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
1,3-Dichlorobenzene	250	U	250	4.9	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
1,4-Dichlorobenzene	250	U	250	8.1	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
Trichlorofluoromethane	250	U	250	16	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
Chlorodibromomethane	250	U	250	12	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1
Methylcyclohexane	510	U	510	12	ug/Kg	☼	03/02/15 10:30	03/04/15 17:06	1

Client Sample ID: S-150225-RA-09
Date Collected: 02/25/15 11:35
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47640-9
Matrix: Solid
Percent Solids: 97.3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*126*		*39 - 128*	*03/02/15 10:30*	*03/04/15 17:06*	*1*
4-Bromofluorobenzene (Surr)	*106*		*26 - 141*	*03/02/15 10:30*	*03/04/15 17:06*	*1*
Toluene-d8 (Surr)	*107*		*33 - 134*	*03/02/15 10:30*	*03/04/15 17:06*	*1*
Dibromofluoromethane (Surr)	*111*		*30 - 122*	*03/02/15 10:30*	*03/04/15 17:06*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**27**	**B**	15	0.30	mg/Kg	☼	03/02/15 10:49	03/03/15 18:35	1
Cadmium	**0.092**	**J B**	0.15	0.015	mg/Kg	☼	03/02/15 10:49	03/03/15 18:35	1
Chromium	**12**	**B**	0.36	0.055	mg/Kg	☼	03/02/15 10:49	03/03/15 18:35	1
Silver	0.36	U	0.36	0.046	mg/Kg	☼	03/02/15 10:49	03/03/15 18:35	1
Arsenic	**1.0**		0.73	0.30	mg/Kg	☼	03/02/15 10:49	03/03/15 18:35	1
Lead	**1.5**		0.22	0.15	mg/Kg	☼	03/02/15 10:49	03/03/15 18:35	1
Selenium	0.36	U	0.36	0.25	mg/Kg	☼	03/02/15 10:49	03/03/15 18:35	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11	U	0.11	0.015	mg/Kg	☼	03/02/15 15:10	03/03/15 12:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**97**		0.10	0.10	%			03/02/15 15:09	1
Percent Moisture	**2.7**		0.10	0.10	%			03/02/15 15:09	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86119 City of Wausau Chemical Brownfield

TestAmerica Job ID: 240-47640-1

Client Sample ID: S-150225-RA-10
Date Collected: 02/25/15 12:30
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47640-10
Matrix: Solid
Percent Solids: 95.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1800	U	1800	310	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
Benzene	460	U	460	22	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
Dichlorobromomethane	460	U	460	18	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
Bromoform	460	U	460	35	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
Bromomethane	460	U	460	53	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
2-Butanone (MEK)	1800	U	1800	79	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
Carbon disulfide	460	U	460	22	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
Carbon tetrachloride	460	U	460	12	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
Chlorobenzene	460	U	460	12	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
Chloroethane	460	U	460	110	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
Chloroform	460	U	460	16	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
Chloromethane	460	U	460	26	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
1,1-Dichloroethane	460	U	460	31	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
1,2-Dichloroethane	460	U	460	18	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
1,1-Dichloroethene	460	U	460	33	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
1,2-Dichloropropane	460	U	460	15	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
cis-1,3-Dichloropropene	460	U	460	14	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
trans-1,3-Dichloropropene	460	U	460	37	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
Ethylbenzene	460	U	460	9.9	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
2-Hexanone	1800	U	1800	37	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
Methylene Chloride	**200**	**J**	460	140	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
4-Methyl-2-pentanone (MIBK)	1800	U	1800	88	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
Styrene	460	U	460	10	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
1,1,2,2-Tetrachloroethane	460	U	460	16	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
Tetrachloroethene	460	U	460	22	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
Toluene	460	U	460	31	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
Trichloroethene	460	U	460	18	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
Vinyl chloride	460	U	460	33	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
Xylenes, Total	910	U	910	11	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
1,1,1-Trichloroethane	460	U	460	38	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
1,1,2-Trichloroethane	460	U	460	22	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
Cyclohexane	910	U	910	73	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
1,2-Dibromo-3-Chloropropane	910	U	910	91	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
Ethylene Dibromide	460	U	460	18	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
Dichlorodifluoromethane	460	U	460	29	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
cis-1,2-Dichloroethene	460	U	460	13	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
trans-1,2-Dichloroethene	460	U	460	17	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
Isopropylbenzene	460	U	460	12	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
Methyl acetate	910	U	910	46	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
Methyl tert-butyl ether	460	U	460	13	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	460	U	460	71	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
1,2,4-Trichlorobenzene	460	U	460	13	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
1,2-Dichlorobenzene	460	U	460	16	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
1,3-Dichlorobenzene	460	U	460	8.8	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
1,4-Dichlorobenzene	460	U	460	15	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
Trichlorofluoromethane	460	U	460	29	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
Chlorodibromomethane	460	U	460	22	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1
Methylcyclohexane	910	U	910	22	ug/Kg	☼	03/02/15 10:30	03/04/15 17:27	1

Client Sample ID: S-150225-RA-10
Date Collected: 02/25/15 12:30
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47640-10
Matrix: Solid
Percent Solids: 95.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*125*		*39 - 128*	*03/02/15 10:30*	*03/04/15 17:27*	*1*
4-Bromofluorobenzene (Surr)	*104*		*26 - 141*	*03/02/15 10:30*	*03/04/15 17:27*	*1*
Toluene-d8 (Surr)	*109*		*33 - 134*	*03/02/15 10:30*	*03/04/15 17:27*	*1*
Dibromofluoromethane (Surr)	*106*		*30 - 122*	*03/02/15 10:30*	*03/04/15 17:27*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**31**	**B**	20	0.41	mg/Kg	☼	03/02/15 10:49	03/03/15 18:39	1
Cadmium	**0.12**	**J B**	0.20	0.021	mg/Kg	☼	03/02/15 10:49	03/03/15 18:39	1
Chromium	**10**	**B**	0.50	0.075	mg/Kg	☼	03/02/15 10:49	03/03/15 18:39	1
Silver	0.50	U	0.50	0.063	mg/Kg	☼	03/02/15 10:49	03/03/15 18:39	1
Arsenic	**1.7**		1.0	0.41	mg/Kg	☼	03/02/15 10:49	03/03/15 18:39	1
Lead	**4.6**		0.30	0.20	mg/Kg	☼	03/02/15 10:49	03/03/15 18:39	1
Selenium	0.50	U	0.50	0.34	mg/Kg	☼	03/02/15 10:49	03/03/15 18:39	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.024**	**J**	0.091	0.013	mg/Kg	☼	03/02/15 15:10	03/03/15 12:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**96**		0.10	0.10	%			03/02/15 15:09	1
Percent Moisture	**4.5**		0.10	0.10	%			03/02/15 15:09	1

Client Sample ID: S-150225-RA-11
Date Collected: 02/25/15 12:30
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47640-11
Matrix: Solid
Percent Solids: 97.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**4500**		1100	190	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
Benzene	280	U	280	13	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
Dichlorobromomethane	280	U	280	11	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
Bromoform	280	U	280	21	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
Bromomethane	280	U	280	33	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
2-Butanone (MEK)	1100	U	1100	48	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
Carbon disulfide	280	U	280	13	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
Carbon tetrachloride	280	U	280	7.2	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
Chlorobenzene	280	U	280	7.2	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
Chloroethane	280	U	280	68	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
Chloroform	280	U	280	9.9	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
Chloromethane	280	U	280	16	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
1,1-Dichloroethane	280	U	280	19	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
1,2-Dichloroethane	280	U	280	11	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
1,1-Dichloroethene	280	U	280	20	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
1,2-Dichloropropane	280	U	280	9.2	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
cis-1,3-Dichloropropene	280	U	280	8.9	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
trans-1,3-Dichloropropene	280	U	280	22	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
Ethylbenzene	280	U	280	6.1	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
2-Hexanone	1100	U	1100	22	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
Methylene Chloride	**190**	J	280	86	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
4-Methyl-2-pentanone (MIBK)	1100	U	1100	54	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
Styrene	**12**	J	280	6.3	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
1,1,2,2-Tetrachloroethane	280	U	280	10	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
Tetrachloroethene	280	U	280	13	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
Toluene	**44**	J	280	19	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
Trichloroethene	280	U	280	11	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
Vinyl chloride	280	U	280	20	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
Xylenes, Total	**7.7**	J	560	7.0	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
1,1,1-Trichloroethane	280	U	280	24	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
1,1,2-Trichloroethane	280	U	280	13	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
Cyclohexane	560	U	560	45	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
1,2-Dibromo-3-Chloropropane	560	U	560	56	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
Ethylene Dibromide	280	U	280	11	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
Dichlorodifluoromethane	280	U	280	18	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
cis-1,2-Dichloroethene	280	U	280	7.7	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
trans-1,2-Dichloroethene	280	U	280	10	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
Isopropylbenzene	280	U	280	7.3	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
Methyl acetate	560	U	560	28	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
Methyl tert-butyl ether	280	U	280	8.0	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	280	U	280	44	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
1,2,4-Trichlorobenzene	280	U	280	8.2	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
1,2-Dichlorobenzene	280	U	280	9.6	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
1,3-Dichlorobenzene	280	U	280	5.4	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
1,4-Dichlorobenzene	280	U	280	9.0	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
Trichlorofluoromethane	280	U	280	18	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
Chlorodibromomethane	280	U	280	13	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1
Methylcyclohexane	560	U	560	13	ug/Kg	☼	03/02/15 10:30	03/04/15 17:48	1

Client Sample ID: S-150225-RA-11
Date Collected: 02/25/15 12:30
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47640-11
Matrix: Solid
Percent Solids: 97.6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*147*	*X*	*39 - 128*	*03/02/15 10:30*	*03/04/15 17:48*	*1*
4-Bromofluorobenzene (Surr)	*128*		*26 - 141*	*03/02/15 10:30*	*03/04/15 17:48*	*1*
Toluene-d8 (Surr)	*127*		*33 - 134*	*03/02/15 10:30*	*03/04/15 17:48*	*1*
Dibromofluoromethane (Surr)	*126*	*X*	*30 - 122*	*03/02/15 10:30*	*03/04/15 17:48*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**20**	**B**	18	0.37	mg/Kg	☼	03/02/15 10:49	03/03/15 18:43	1
Cadmium	**0.12**	**J B**	0.18	0.019	mg/Kg	☼	03/02/15 10:49	03/03/15 18:43	1
Chromium	**12**	**B**	0.46	0.069	mg/Kg	☼	03/02/15 10:49	03/03/15 18:43	1
Silver	0.46	U	0.46	0.058	mg/Kg	☼	03/02/15 10:49	03/03/15 18:43	1
Arsenic	**1.4**		0.91	0.37	mg/Kg	☼	03/02/15 10:49	03/03/15 18:43	1
Lead	**1.6**		0.27	0.18	mg/Kg	☼	03/02/15 10:49	03/03/15 18:43	1
Selenium	0.46	U	0.46	0.31	mg/Kg	☼	03/02/15 10:49	03/03/15 18:43	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.090	U	0.090	0.013	mg/Kg	☼	03/02/15 15:10	03/03/15 12:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**98**		0.10	0.10	%			03/02/15 15:09	1
Percent Moisture	**2.4**		0.10	0.10	%			03/02/15 15:09	1

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86119 City of Wausau Chemical Brownfield

TestAmerica Job ID: 240-47640-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(58-123)	(52-136)	(67-125)	(37-132)
240-47640-1	S-150225-RA-01	110	93	100	103
LCS 240-170351/12	Lab Control Sample	101	101	104	103
MB 240-170350/1-A	Method Blank	103	96	103	100

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(39-128)	(26-141)	(33-134)	(30-122)
240-47640-2	S-150225-RA-02	114	110	107	102
240-47640-3	S-150225-RA-03	130 X	118	113	109
240-47640-4	S-150225-RA-04	126	115	113	107
240-47640-5	S-150225-RA-05	108	91	100	102
240-47640-6	S-150225-RA-06	111	89	93	102
240-47640-7	S-150225-RA-07	138 X	118	123	125 X
240-47640-8	S-150225-RA-08	123	111	109	109
240-47640-9	S-150225-RA-09	126	106	107	111
240-47640-10	S-150225-RA-10	125	104	109	106
240-47640-11	S-150225-RA-11	147 X	128	127	126 X
LCS 240-170236/2-A	Lab Control Sample	109	102	97	103
MB 240-170236/1-A	Method Blank	98	89	88	84

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-170236/1-A
Matrix: Solid
Analysis Batch: 170526

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 170236

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1000	U	1000	170	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Benzene	250	U	250	12	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Dichlorobromomethane	250	U	250	9.9	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Bromoform	250	U	250	19	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Bromomethane	250	U	250	29	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
2-Butanone (MEK)	44.3	J	1000	43	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Carbon disulfide	250	U	250	12	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Carbon tetrachloride	250	U	250	6.4	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Chlorobenzene	250	U	250	6.4	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Chloroethane	250	U	250	61	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Chloroform	250	U	250	8.8	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Chloromethane	250	U	250	14	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
1,1-Dichloroethane	250	U	250	17	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
1,2-Dichloroethane	250	U	250	10	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
1,1-Dichloroethene	250	U	250	18	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
1,2-Dichloropropane	250	U	250	8.2	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
cis-1,3-Dichloropropene	250	U	250	7.9	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
trans-1,3-Dichloropropene	250	U	250	20	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Ethylbenzene	250	U	250	5.4	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
2-Hexanone	26.4	J	1000	20	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Methylene Chloride	250	U	250	77	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
4-Methyl-2-pentanone (MIBK)	1000	U	1000	48	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Styrene	250	U	250	5.6	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
1,1,2,2-Tetrachloroethane	250	U	250	8.9	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Tetrachloroethene	250	U	250	12	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Toluene	250	U	250	17	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Trichloroethene	250	U	250	9.7	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Vinyl chloride	250	U	250	18	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Xylenes, Total	500	U	500	6.2	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
1,1,1-Trichloroethane	250	U	250	21	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
1,1,2-Trichloroethane	250	U	250	12	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Cyclohexane	500	U	500	40	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
1,2-Dibromo-3-Chloropropane	500	U	500	50	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Ethylene Dibromide	250	U	250	10	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Dichlorodifluoromethane	250	U	250	16	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
cis-1,2-Dichloroethene	250	U	250	6.9	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
trans-1,2-Dichloroethene	250	U	250	9.2	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Isopropylbenzene	250	U	250	6.5	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Methyl acetate	500	U	500	25	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Methyl tert-butyl ether	250	U	250	7.1	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	250	U	250	39	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
1,2,4-Trichlorobenzene	18.6	J	250	7.3	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
1,2-Dichlorobenzene	250	U	250	8.6	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
1,3-Dichlorobenzene	250	U	250	4.8	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
1,4-Dichlorobenzene	250	U	250	8.0	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Trichlorofluoromethane	250	U	250	16	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Chlorodibromomethane	250	U	250	12	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Methylcyclohexane	500	U	500	12	ug/Kg		03/02/15 10:30	03/04/15 10:54	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-170236/1-A
Matrix: Solid
Analysis Batch: 170526

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 170236

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		39 - 128	03/02/15 10:30	03/04/15 10:54	1
4-Bromofluorobenzene (Surr)	89		26 - 141	03/02/15 10:30	03/04/15 10:54	1
Toluene-d8 (Surr)	88		33 - 134	03/02/15 10:30	03/04/15 10:54	1
Dibromofluoromethane (Surr)	84		30 - 122	03/02/15 10:30	03/04/15 10:54	1

Lab Sample ID: LCS 240-170236/2-A
Matrix: Solid
Analysis Batch: 170526

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 170236

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	2000	1320		ug/Kg		66	16 - 156
Benzene	1000	929		ug/Kg		93	70 - 120
Dichlorobromomethane	1000	910		ug/Kg		91	28 - 123
Bromoform	1000	718		ug/Kg		72	10 - 120
Bromomethane	1000	416		ug/Kg		42	10 - 120
2-Butanone (MEK)	2000	1760		ug/Kg		88	10 - 199
Carbon disulfide	1000	605		ug/Kg		60	10 - 132
Carbon tetrachloride	1000	784		ug/Kg		78	29 - 120
Chlorobenzene	1000	893		ug/Kg		89	71 - 120
Chloroethane	1000	484		ug/Kg		48	10 - 120
Chloroform	1000	931		ug/Kg		93	63 - 120
Chloromethane	1000	528		ug/Kg		53	25 - 120
1,1-Dichloroethane	1000	941		ug/Kg		94	63 - 120
1,2-Dichloroethane	1000	957		ug/Kg		96	68 - 120
1,1-Dichloroethene	1000	766		ug/Kg		77	44 - 143
1,2-Dichloropropane	1000	972		ug/Kg		97	73 - 120
cis-1,3-Dichloropropene	1000	1010		ug/Kg		101	25 - 120
trans-1,3-Dichloropropene	1000	976		ug/Kg		98	22 - 122
Ethylbenzene	1000	906		ug/Kg		91	66 - 120
2-Hexanone	2000	1740		ug/Kg		87	43 - 130
Methylene Chloride	1000	963		ug/Kg		96	27 - 172
4-Methyl-2-pentanone (MIBK)	2000	1940		ug/Kg		97	49 - 121
Styrene	1000	999		ug/Kg		100	60 - 120
1,1,2,2-Tetrachloroethane	1000	908		ug/Kg		91	54 - 121
Tetrachloroethene	1000	833		ug/Kg		83	58 - 131
Toluene	1000	917		ug/Kg		92	66 - 123
Trichloroethene	1000	934		ug/Kg		93	59 - 124
Vinyl chloride	1000	570		ug/Kg		57	33 - 120
Xylenes, Total	2000	1880		ug/Kg		94	68 - 120
1,1,1-Trichloroethane	1000	831		ug/Kg		83	38 - 122
1,1,2-Trichloroethane	1000	964		ug/Kg		96	74 - 120
Cyclohexane	1000	836		ug/Kg		84	40 - 120
1,2-Dibromo-3-Chloropropane	1000	792		ug/Kg		79	10 - 129
Ethylene Dibromide	1000	1020		ug/Kg		102	47 - 123
Dichlorodifluoromethane	1000	226	J	ug/Kg		23	10 - 120
cis-1,2-Dichloroethene	1000	984		ug/Kg		98	60 - 125
trans-1,2-Dichloroethene	1000	896		ug/Kg		90	58 - 121
Isopropylbenzene	1000	935		ug/Kg		93	61 - 123

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-170236/2-A
Matrix: Solid
Analysis Batch: 170526

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 170236

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl acetate	5000	4600		ug/Kg		92	44 - 173
Methyl tert-butyl ether	1000	974		ug/Kg		97	34 - 157
1,1,2-Trichloro-1,2,2-trifluoroethane	1000	820		ug/Kg		82	48 - 151
1,2,4-Trichlorobenzene	1000	858		ug/Kg		86	41 - 135
1,2-Dichlorobenzene	1000	922		ug/Kg		92	68 - 120
1,3-Dichlorobenzene	1000	873		ug/Kg		87	66 - 121
1,4-Dichlorobenzene	1000	833		ug/Kg		83	65 - 120
Trichlorofluoromethane	1000	622		ug/Kg		62	17 - 145
Methylcyclohexane	1000	815		ug/Kg		82	41 - 133
m-Xylene & p-Xylene	1000	910		ug/Kg		91	67 - 120
o-Xylene	1000	974		ug/Kg		97	68 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*39 - 128*
4-Bromofluorobenzene (Surr)	*102*		*26 - 141*
Toluene-d8 (Surr)	*97*		*33 - 134*
Dibromofluoromethane (Surr)	*103*		*30 - 122*

Lab Sample ID: MB 240-170350/1-A
Matrix: Solid
Analysis Batch: 170351

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 170350

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	8.49	J	20	6.3	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
Benzene	5.0	U	5.0	0.23	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
Dichlorobromomethane	5.0	U	5.0	0.28	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
Bromoform	5.0	U	5.0	0.33	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
Bromomethane	5.0	U	5.0	0.54	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
2-Butanone (MEK)	20	U	20	1.4	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
Carbon disulfide	5.0	U	5.0	0.44	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
Carbon tetrachloride	5.0	U	5.0	0.37	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
Chlorobenzene	5.0	U	5.0	0.33	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
Chloroethane	5.0	U	5.0	0.86	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
Chloroform	5.0	U	5.0	0.29	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
Chloromethane	5.0	U	5.0	0.41	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
1,1-Dichloroethane	5.0	U	5.0	0.36	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
1,2-Dichloroethane	5.0	U	5.0	0.34	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
1,1-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
1,2-Dichloropropane	5.0	U	5.0	0.69	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.34	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
trans-1,3-Dichloropropene	5.0	U	5.0	0.54	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
Ethylbenzene	5.0	U	5.0	0.26	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
2-Hexanone	20	U	20	0.63	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
Methylene Chloride	5.0	U	5.0	0.67	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
4-Methyl-2-pentanone (MIBK)	20	U	20	0.54	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
Styrene	5.0	U	5.0	0.15	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.34	ug/Kg		03/02/15 21:47	03/03/15 06:52	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-170350/1-A
Matrix: Solid
Analysis Batch: 170351

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 170350

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	5.0	U	5.0	0.52	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
Toluene	5.0	U	5.0	0.27	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
Trichloroethene	5.0	U	5.0	0.42	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
Vinyl chloride	5.0	U	5.0	0.39	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
Xylenes, Total	10	U	10	0.35	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
1,1,1-Trichloroethane	5.0	U	5.0	0.56	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
1,1,2-Trichloroethane	5.0	U	5.0	0.39	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
Cyclohexane	10	U	10	0.33	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
1,2-Dibromo-3-Chloropropane	10	U	10	1.3	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
Ethylene Dibromide	5.0	U	5.0	0.50	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
Dichlorodifluoromethane	5.0	U	5.0	0.50	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.36	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.41	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
Isopropylbenzene	5.0	U	5.0	0.16	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
Methyl acetate	2.90	J	10	1.4	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
Methyl tert-butyl ether	5.0	U	5.0	0.43	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.3	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.27	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
1,2-Dichlorobenzene	5.0	U	5.0	0.36	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
1,3-Dichlorobenzene	5.0	U	5.0	0.35	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
1,4-Dichlorobenzene	5.0	U	5.0	0.66	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
Trichlorofluoromethane	5.0	U	5.0	0.34	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
Chlorodibromomethane	5.0	U	5.0	0.55	ug/Kg		03/02/15 21:47	03/03/15 06:52	1
Methylcyclohexane	10	U	10	0.31	ug/Kg		03/02/15 21:47	03/03/15 06:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*58 - 123*	*03/02/15 21:47*	*03/03/15 06:52*	*1*
4-Bromofluorobenzene (Surr)	*96*		*52 - 136*	*03/02/15 21:47*	*03/03/15 06:52*	*1*
Toluene-d8 (Surr)	*103*		*67 - 125*	*03/02/15 21:47*	*03/03/15 06:52*	*1*
Dibromofluoromethane (Surr)	*100*		*37 - 132*	*03/02/15 21:47*	*03/03/15 06:52*	*1*

Lab Sample ID: LCS 240-170351/12
Matrix: Solid
Analysis Batch: 170351

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	50.0	63.9		ug/Kg		128	41 - 137
Benzene	25.0	24.4		ug/Kg		98	79 - 120
Dichlorobromomethane	25.0	26.4		ug/Kg		106	80 - 122
Bromoform	25.0	22.6		ug/Kg		90	62 - 133
Bromomethane	25.0	23.0		ug/Kg		92	42 - 136
2-Butanone (MEK)	50.0	49.9		ug/Kg		100	52 - 131
Carbon disulfide	25.0	26.5		ug/Kg		106	62 - 146
Carbon tetrachloride	25.0	25.8		ug/Kg		103	71 - 129
Chlorobenzene	25.0	23.9		ug/Kg		95	78 - 120
Chloroethane	25.0	24.4		ug/Kg		98	58 - 120
Chloroform	25.0	24.9		ug/Kg		100	77 - 120
Chloromethane	25.0	23.2		ug/Kg		93	50 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-170351/12
Matrix: Solid
Analysis Batch: 170351

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	25.3		ug/Kg		101	76 - 120
1,2-Dichloroethane	25.0	24.8		ug/Kg		99	72 - 120
1,1-Dichloroethene	25.0	25.4		ug/Kg		102	75 - 135
1,2-Dichloropropane	25.0	24.6		ug/Kg		98	80 - 120
cis-1,3-Dichloropropene	25.0	27.4		ug/Kg		110	74 - 128
trans-1,3-Dichloropropene	25.0	28.1		ug/Kg		112	73 - 131
Ethylbenzene	25.0	24.2		ug/Kg		97	79 - 120
2-Hexanone	50.0	56.7		ug/Kg		113	64 - 136
Methylene Chloride	25.0	24.1		ug/Kg		96	75 - 120
4-Methyl-2-pentanone (MIBK)	50.0	56.4		ug/Kg		113	67 - 135
Styrene	25.0	26.8		ug/Kg		107	80 - 120
1,1,2,2-Tetrachloroethane	25.0	26.3		ug/Kg		105	77 - 123
Tetrachloroethene	25.0	23.9		ug/Kg		96	79 - 120
Toluene	25.0	24.5		ug/Kg		98	75 - 120
Trichloroethene	25.0	25.0		ug/Kg		100	79 - 120
Vinyl chloride	25.0	23.3		ug/Kg		93	57 - 120
Xylenes, Total	50.0	50.7		ug/Kg		101	80 - 120
1,1,1-Trichloroethane	25.0	24.8		ug/Kg		99	77 - 126
1,1,2-Trichloroethane	25.0	25.6		ug/Kg		102	80 - 120
Cyclohexane	25.0	25.8		ug/Kg		103	66 - 120
1,2-Dibromo-3-Chloropropane	25.0	25.1		ug/Kg		100	61 - 132
Ethylene Dibromide	25.0	25.9		ug/Kg		104	80 - 120
Dichlorodifluoromethane	25.0	26.7		ug/Kg		107	26 - 120
cis-1,2-Dichloroethene	25.0	25.3		ug/Kg		101	76 - 120
trans-1,2-Dichloroethene	25.0	25.5		ug/Kg		102	78 - 120
Isopropylbenzene	25.0	26.1		ug/Kg		104	76 - 122
Methyl acetate	125	128		ug/Kg		102	57 - 130
Methyl tert-butyl ether	25.0	25.5		ug/Kg		102	49 - 165
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.0		ug/Kg		100	80 - 138
1,2,4-Trichlorobenzene	25.0	23.1		ug/Kg		92	64 - 124
1,2-Dichlorobenzene	25.0	24.1		ug/Kg		96	76 - 120
1,3-Dichlorobenzene	25.0	24.2		ug/Kg		97	78 - 120
1,4-Dichlorobenzene	25.0	23.6		ug/Kg		94	75 - 120
Trichlorofluoromethane	25.0	24.4		ug/Kg		98	57 - 146
Methylcyclohexane	25.0	24.9		ug/Kg		100	70 - 126
m-Xylene & p-Xylene	25.0	25.2		ug/Kg		101	80 - 120
o-Xylene	25.0	25.5		ug/Kg		102	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*58 - 123*
4-Bromofluorobenzene (Surr)	*101*		*52 - 136*
Toluene-d8 (Surr)	*104*		*67 - 125*
Dibromofluoromethane (Surr)	*103*		*37 - 132*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-170247/1-A
Matrix: Solid
Analysis Batch: 170368

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 170247

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.642	J	20	0.41	mg/Kg		03/02/15 10:49	03/03/15 17:22	1
Cadmium	0.0291	J	0.20	0.021	mg/Kg		03/02/15 10:49	03/03/15 17:22	1
Chromium	0.0828	J	0.50	0.075	mg/Kg		03/02/15 10:49	03/03/15 17:22	1
Silver	0.50	U	0.50	0.063	mg/Kg		03/02/15 10:49	03/03/15 17:22	1
Arsenic	1.0	U	1.0	0.41	mg/Kg		03/02/15 10:49	03/03/15 17:22	1
Lead	0.30	U	0.30	0.20	mg/Kg		03/02/15 10:49	03/03/15 17:22	1
Selenium	0.50	U	0.50	0.34	mg/Kg		03/02/15 10:49	03/03/15 17:22	1

Lab Sample ID: LCS 240-170247/2-A
Matrix: Solid
Analysis Batch: 170368

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 170247

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	200	195		mg/Kg		97	80 - 120
Cadmium	5.00	4.36		mg/Kg		87	80 - 120
Chromium	20.0	18.4		mg/Kg		92	80 - 120
Silver	5.00	5.04		mg/Kg		101	80 - 120
Arsenic	200	192		mg/Kg		96	80 - 120
Lead	50.0	46.0		mg/Kg		92	80 - 120
Selenium	200	198		mg/Kg		99	80 - 120

Lab Sample ID: 240-47640-1 MS
Matrix: Solid
Analysis Batch: 170368

Client Sample ID: S-150225-RA-01
Prep Type: Total/NA
Prep Batch: 170247

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	50	B	170	173	F1	mg/Kg	☼	72	75 - 125
Cadmium	0.14	J B	4.26	2.89	F1	mg/Kg	☼	65	75 - 125
Chromium	5.6	B	17.0	17.4	F1	mg/Kg	☼	69	75 - 125
Arsenic	4.6		170	125	F1	mg/Kg	☼	71	75 - 125
Lead	13		42.6	40.3	F1	mg/Kg	☼	65	75 - 125
Selenium	0.47	U	170	124	F1	mg/Kg	☼	73	75 - 125

Lab Sample ID: 240-47640-1 MS
Matrix: Solid
Analysis Batch: 170733

Client Sample ID: S-150225-RA-01
Prep Type: Total/NA
Prep Batch: 170247

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	0.94	U L	4.26	2.76	F1	mg/Kg	☼	65	75 - 125

Lab Sample ID: 240-47640-1 MSD
Matrix: Solid
Analysis Batch: 170368

Client Sample ID: S-150225-RA-01
Prep Type: Total/NA
Prep Batch: 170247

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Barium	50	B	170	158	F1	mg/Kg	☼	63	75 - 125	9	20
Cadmium	0.14	J B	4.26	2.72	F1	mg/Kg	☼	61	75 - 125	6	20
Chromium	5.6	B	17.0	15.6	F1	mg/Kg	☼	59	75 - 125	11	20
Arsenic	4.6		170	116	F1	mg/Kg	☼	66	75 - 125	7	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 240-47640-1 MSD — **Client Sample ID: S-150225-RA-01**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 170368 — **Prep Batch: 170247**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	13		42.6	37.5	F1	mg/Kg	☼	58	75 - 125	7	20
Selenium	0.47	U	170	116	F1	mg/Kg	☼	68	75 - 125	7	20

Lab Sample ID: 240-47640-1 MSD — **Client Sample ID: S-150225-RA-01**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 170733 — **Prep Batch: 170247**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	0.94	U L	4.26	2.74	F1	mg/Kg	☼	64	75 - 125	1	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 240-170274/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 170482 — **Prep Batch: 170274**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.10	U	0.10	0.014	mg/Kg		03/02/15 15:10	03/03/15 12:13	1

Lab Sample ID: LCS 240-170274/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 170482 — **Prep Batch: 170274**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.818		mg/Kg		98	80 - 120

Lab Sample ID: 240-47640-1 MS — **Client Sample ID: S-150225-RA-01**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 170482 — **Prep Batch: 170274**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.10	U	0.166	0.177		mg/Kg	☼	106	80 - 120

Lab Sample ID: 240-47640-1 MSD — **Client Sample ID: S-150225-RA-01**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 170482 — **Prep Batch: 170274**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.10	U	0.166	0.169		mg/Kg	☼	102	80 - 120	5	20

Method: Moisture - Percent Moisture

Lab Sample ID: 240-47640-6 DU — **Client Sample ID: S-150225-RA-06**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 170324

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	83		83		%		0.4	20
Percent Moisture	17		17		%		2	20

GC/MS VOA

Prep Batch: 170236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-47640-2	S-150225-RA-02	Total/NA	Solid	5035	
240-47640-3	S-150225-RA-03	Total/NA	Solid	5035	
240-47640-4	S-150225-RA-04	Total/NA	Solid	5035	
240-47640-5	S-150225-RA-05	Total/NA	Solid	5035	
240-47640-6	S-150225-RA-06	Total/NA	Solid	5035	
240-47640-7	S-150225-RA-07	Total/NA	Solid	5035	
240-47640-8	S-150225-RA-08	Total/NA	Solid	5035	
240-47640-9	S-150225-RA-09	Total/NA	Solid	5035	
240-47640-10	S-150225-RA-10	Total/NA	Solid	5035	
240-47640-11	S-150225-RA-11	Total/NA	Solid	5035	
LCS 240-170236/2-A	Lab Control Sample	Total/NA	Solid	5035	
MB 240-170236/1-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 170350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-47640-1	S-150225-RA-01	Total/NA	Solid	5035	
MB 240-170350/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 170351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-47640-1	S-150225-RA-01	Total/NA	Solid	8260B	170350
LCS 240-170351/12	Lab Control Sample	Total/NA	Solid	8260B	
MB 240-170350/1-A	Method Blank	Total/NA	Solid	8260B	170350

Analysis Batch: 170526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-47640-2	S-150225-RA-02	Total/NA	Solid	8260B	170236
240-47640-3	S-150225-RA-03	Total/NA	Solid	8260B	170236
240-47640-4	S-150225-RA-04	Total/NA	Solid	8260B	170236
LCS 240-170236/2-A	Lab Control Sample	Total/NA	Solid	8260B	170236
MB 240-170236/1-A	Method Blank	Total/NA	Solid	8260B	170236

Analysis Batch: 170670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-47640-5	S-150225-RA-05	Total/NA	Solid	8260B	170236
240-47640-6	S-150225-RA-06	Total/NA	Solid	8260B	170236
240-47640-7	S-150225-RA-07	Total/NA	Solid	8260B	170236
240-47640-8	S-150225-RA-08	Total/NA	Solid	8260B	170236
240-47640-9	S-150225-RA-09	Total/NA	Solid	8260B	170236
240-47640-10	S-150225-RA-10	Total/NA	Solid	8260B	170236
240-47640-11	S-150225-RA-11	Total/NA	Solid	8260B	170236

Metals

Prep Batch: 170247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-47640-1	S-150225-RA-01	Total/NA	Solid	3050B	
240-47640-1 MS	S-150225-RA-01	Total/NA	Solid	3050B	
240-47640-1 MSD	S-150225-RA-01	Total/NA	Solid	3050B	
240-47640-2	S-150225-RA-02	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 170247 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-47640-3	S-150225-RA-03	Total/NA	Solid	3050B	
240-47640-4	S-150225-RA-04	Total/NA	Solid	3050B	
240-47640-5	S-150225-RA-05	Total/NA	Solid	3050B	
240-47640-6	S-150225-RA-06	Total/NA	Solid	3050B	
240-47640-7	S-150225-RA-07	Total/NA	Solid	3050B	
240-47640-8	S-150225-RA-08	Total/NA	Solid	3050B	
240-47640-9	S-150225-RA-09	Total/NA	Solid	3050B	
240-47640-10	S-150225-RA-10	Total/NA	Solid	3050B	
240-47640-11	S-150225-RA-11	Total/NA	Solid	3050B	
LCS 240-170247/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-170247/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 170274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-47640-1	S-150225-RA-01	Total/NA	Solid	7471A	
240-47640-1 MS	S-150225-RA-01	Total/NA	Solid	7471A	
240-47640-1 MSD	S-150225-RA-01	Total/NA	Solid	7471A	
240-47640-2	S-150225-RA-02	Total/NA	Solid	7471A	
240-47640-3	S-150225-RA-03	Total/NA	Solid	7471A	
240-47640-4	S-150225-RA-04	Total/NA	Solid	7471A	
240-47640-5	S-150225-RA-05	Total/NA	Solid	7471A	
240-47640-6	S-150225-RA-06	Total/NA	Solid	7471A	
240-47640-7	S-150225-RA-07	Total/NA	Solid	7471A	
240-47640-8	S-150225-RA-08	Total/NA	Solid	7471A	
240-47640-9	S-150225-RA-09	Total/NA	Solid	7471A	
240-47640-10	S-150225-RA-10	Total/NA	Solid	7471A	
240-47640-11	S-150225-RA-11	Total/NA	Solid	7471A	
LCS 240-170274/2-A	Lab Control Sample	Total/NA	Solid	7471A	
MB 240-170274/1-A	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 170368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-47640-1	S-150225-RA-01	Total/NA	Solid	6010B	170247
240-47640-1 MS	S-150225-RA-01	Total/NA	Solid	6010B	170247
240-47640-1 MSD	S-150225-RA-01	Total/NA	Solid	6010B	170247
240-47640-2	S-150225-RA-02	Total/NA	Solid	6010B	170247
240-47640-3	S-150225-RA-03	Total/NA	Solid	6010B	170247
240-47640-4	S-150225-RA-04	Total/NA	Solid	6010B	170247
240-47640-5	S-150225-RA-05	Total/NA	Solid	6010B	170247
240-47640-6	S-150225-RA-06	Total/NA	Solid	6010B	170247
240-47640-7	S-150225-RA-07	Total/NA	Solid	6010B	170247
240-47640-8	S-150225-RA-08	Total/NA	Solid	6010B	170247
240-47640-9	S-150225-RA-09	Total/NA	Solid	6010B	170247
240-47640-10	S-150225-RA-10	Total/NA	Solid	6010B	170247
240-47640-11	S-150225-RA-11	Total/NA	Solid	6010B	170247
LCS 240-170247/2-A	Lab Control Sample	Total/NA	Solid	6010B	170247
MB 240-170247/1-A	Method Blank	Total/NA	Solid	6010B	170247

Analysis Batch: 170482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-47640-1	S-150225-RA-01	Total/NA	Solid	7471A	170274

Metals (Continued)

Analysis Batch: 170482 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-47640-1 MS	S-150225-RA-01	Total/NA	Solid	7471A	170274
240-47640-1 MSD	S-150225-RA-01	Total/NA	Solid	7471A	170274
240-47640-2	S-150225-RA-02	Total/NA	Solid	7471A	170274
240-47640-3	S-150225-RA-03	Total/NA	Solid	7471A	170274
240-47640-4	S-150225-RA-04	Total/NA	Solid	7471A	170274
240-47640-5	S-150225-RA-05	Total/NA	Solid	7471A	170274
240-47640-6	S-150225-RA-06	Total/NA	Solid	7471A	170274
240-47640-7	S-150225-RA-07	Total/NA	Solid	7471A	170274
240-47640-8	S-150225-RA-08	Total/NA	Solid	7471A	170274
240-47640-9	S-150225-RA-09	Total/NA	Solid	7471A	170274
240-47640-10	S-150225-RA-10	Total/NA	Solid	7471A	170274
240-47640-11	S-150225-RA-11	Total/NA	Solid	7471A	170274
LCS 240-170274/2-A	Lab Control Sample	Total/NA	Solid	7471A	170274
MB 240-170274/1-A	Method Blank	Total/NA	Solid	7471A	170274

Analysis Batch: 170733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-47640-1	S-150225-RA-01	Total/NA	Solid	6010B	170247
240-47640-1 MS	S-150225-RA-01	Total/NA	Solid	6010B	170247
240-47640-1 MSD	S-150225-RA-01	Total/NA	Solid	6010B	170247

General Chemistry

Analysis Batch: 170324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-47640-1	S-150225-RA-01	Total/NA	Solid	Moisture	
240-47640-2	S-150225-RA-02	Total/NA	Solid	Moisture	
240-47640-3	S-150225-RA-03	Total/NA	Solid	Moisture	
240-47640-4	S-150225-RA-04	Total/NA	Solid	Moisture	
240-47640-5	S-150225-RA-05	Total/NA	Solid	Moisture	
240-47640-6	S-150225-RA-06	Total/NA	Solid	Moisture	
240-47640-6 DU	S-150225-RA-06	Total/NA	Solid	Moisture	
240-47640-7	S-150225-RA-07	Total/NA	Solid	Moisture	
240-47640-8	S-150225-RA-08	Total/NA	Solid	Moisture	
240-47640-9	S-150225-RA-09	Total/NA	Solid	Moisture	
240-47640-10	S-150225-RA-10	Total/NA	Solid	Moisture	
240-47640-11	S-150225-RA-11	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86119 City of Wausau Chemical Brownfield

TestAmerica Job ID: 240-47640-1

Client Sample ID: S-150225-RA-01

Lab Sample ID: 240-47640-1
Date Collected: 02/25/15 09:00
Matrix: Solid
Date Received: 02/27/15 10:00
Percent Solids: 97.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			170350	02/27/15 12:45	LAM	TAL CAN
Total/NA	Analysis	8260B		1	170351	03/03/15 10:47	TJL2	TAL CAN
Total/NA	Prep	3050B			170247	03/02/15 10:49	DEE	TAL CAN
Total/NA	Analysis	6010B		1	170368	03/03/15 17:30	KLC	TAL CAN
Total/NA	Prep	3050B			170247	03/02/15 10:49	DEE	TAL CAN
Total/NA	Analysis	6010B		2	170733	03/04/15 10:19	KLC	TAL CAN
Total/NA	Prep	7471A			170274	03/02/15 15:10	DEE	TAL CAN
Total/NA	Analysis	7471A		1	170482	03/03/15 12:18	BW	TAL CAN
Total/NA	Analysis	Moisture		1	170324	03/02/15 15:09	SEM	TAL CAN

Client Sample ID: S-150225-RA-02

Lab Sample ID: 240-47640-2
Date Collected: 02/25/15 09:00
Matrix: Solid
Date Received: 02/27/15 10:00
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			170236	03/02/15 10:30	LAM	TAL CAN
Total/NA	Analysis	8260B		1	170526	03/04/15 11:36	TJL2	TAL CAN
Total/NA	Prep	3050B			170247	03/02/15 10:49	DEE	TAL CAN
Total/NA	Analysis	6010B		1	170368	03/03/15 17:58	KLC	TAL CAN
Total/NA	Prep	7471A			170274	03/02/15 15:10	DEE	TAL CAN
Total/NA	Analysis	7471A		1	170482	03/03/15 12:27	BW	TAL CAN
Total/NA	Analysis	Moisture		1	170324	03/02/15 15:09	SEM	TAL CAN

Client Sample ID: S-150225-RA-03

Lab Sample ID: 240-47640-3
Date Collected: 02/25/15 09:45
Matrix: Solid
Date Received: 02/27/15 10:00
Percent Solids: 96.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			170236	03/02/15 10:30	LAM	TAL CAN
Total/NA	Analysis	8260B		1	170526	03/04/15 11:57	TJL2	TAL CAN
Total/NA	Prep	3050B			170247	03/02/15 10:49	DEE	TAL CAN
Total/NA	Analysis	6010B		1	170368	03/03/15 18:02	KLC	TAL CAN
Total/NA	Prep	7471A			170274	03/02/15 15:10	DEE	TAL CAN
Total/NA	Analysis	7471A		1	170482	03/03/15 12:29	BW	TAL CAN
Total/NA	Analysis	Moisture		1	170324	03/02/15 15:09	SEM	TAL CAN

Client Sample ID: S-150225-RA-04

Lab Sample ID: 240-47640-4
Date Collected: 02/25/15 09:45
Matrix: Solid
Date Received: 02/27/15 10:00
Percent Solids: 97.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			170236	03/02/15 10:30	LAM	TAL CAN
Total/NA	Analysis	8260B		1	170526	03/04/15 12:18	TJL2	TAL CAN

Client Sample ID: S-150225-RA-04 — **Lab Sample ID: 240-47640-4**
Date Collected: 02/25/15 09:45 — **Matrix: Solid**
Date Received: 02/27/15 10:00 — **Percent Solids: 97.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			170247	03/02/15 10:49	DEE	TAL CAN
Total/NA	Analysis	6010B		1	170368	03/03/15 18:06	KLC	TAL CAN
Total/NA	Prep	7471A			170274	03/02/15 15:10	DEE	TAL CAN
Total/NA	Analysis	7471A		1	170482	03/03/15 12:31	BW	TAL CAN
Total/NA	Analysis	Moisture		1	170324	03/02/15 15:09	SEM	TAL CAN

Client Sample ID: S-150225-RA-05 — **Lab Sample ID: 240-47640-5**
Date Collected: 02/25/15 10:45 — **Matrix: Solid**
Date Received: 02/27/15 10:00 — **Percent Solids: 83.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			170236	03/02/15 10:30	LAM	TAL CAN
Total/NA	Analysis	8260B		1	170670	03/04/15 15:40	SAM	TAL CAN
Total/NA	Prep	3050B			170247	03/02/15 10:49	DEE	TAL CAN
Total/NA	Analysis	6010B		1	170368	03/03/15 18:11	KLC	TAL CAN
Total/NA	Prep	7471A			170274	03/02/15 15:10	DEE	TAL CAN
Total/NA	Analysis	7471A		1	170482	03/03/15 12:33	BW	TAL CAN
Total/NA	Analysis	Moisture		1	170324	03/02/15 15:09	SEM	TAL CAN

Client Sample ID: S-150225-RA-06 — **Lab Sample ID: 240-47640-6**
Date Collected: 02/25/15 10:45 — **Matrix: Solid**
Date Received: 02/27/15 10:00 — **Percent Solids: 83.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			170236	03/02/15 10:30	LAM	TAL CAN
Total/NA	Analysis	8260B		1	170670	03/04/15 16:01	SAM	TAL CAN
Total/NA	Prep	3050B			170247	03/02/15 10:49	DEE	TAL CAN
Total/NA	Analysis	6010B		1	170368	03/03/15 18:15	KLC	TAL CAN
Total/NA	Prep	7471A			170274	03/02/15 15:10	DEE	TAL CAN
Total/NA	Analysis	7471A		1	170482	03/03/15 12:35	BW	TAL CAN
Total/NA	Analysis	Moisture		1	170324	03/02/15 15:09	SEM	TAL CAN

Client Sample ID: S-150225-RA-07 — **Lab Sample ID: 240-47640-7**
Date Collected: 02/25/15 10:45 — **Matrix: Solid**
Date Received: 02/27/15 10:00 — **Percent Solids: 97.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			170236	03/02/15 10:30	LAM	TAL CAN
Total/NA	Analysis	8260B		1	170670	03/04/15 16:23	SAM	TAL CAN
Total/NA	Prep	3050B			170247	03/02/15 10:49	DEE	TAL CAN
Total/NA	Analysis	6010B		1	170368	03/03/15 18:19	KLC	TAL CAN
Total/NA	Prep	7471A			170274	03/02/15 15:10	DEE	TAL CAN
Total/NA	Analysis	7471A		1	170482	03/03/15 12:37	BW	TAL CAN

Client Sample ID: S-150225-RA-07

Lab Sample ID: 240-47640-7

Date Collected: 02/25/15 10:45
Matrix: Solid
Date Received: 02/27/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	170324	03/02/15 15:09	SEM	TAL CAN

Client Sample ID: S-150225-RA-08

Lab Sample ID: 240-47640-8

Date Collected: 02/25/15 11:35
Matrix: Solid
Date Received: 02/27/15 10:00
Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			170236	03/02/15 10:30	LAM	TAL CAN
Total/NA	Analysis	8260B		1	170670	03/04/15 16:44	SAM	TAL CAN
Total/NA	Prep	3050B			170247	03/02/15 10:49	DEE	TAL CAN
Total/NA	Analysis	6010B		1	170368	03/03/15 18:23	KLC	TAL CAN
Total/NA	Prep	7471A			170274	03/02/15 15:10	DEE	TAL CAN
Total/NA	Analysis	7471A		1	170482	03/03/15 12:39	BW	TAL CAN
Total/NA	Analysis	Moisture		1	170324	03/02/15 15:09	SEM	TAL CAN

Client Sample ID: S-150225-RA-09

Lab Sample ID: 240-47640-9

Date Collected: 02/25/15 11:35
Matrix: Solid
Date Received: 02/27/15 10:00
Percent Solids: 97.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			170236	03/02/15 10:30	LAM	TAL CAN
Total/NA	Analysis	8260B		1	170670	03/04/15 17:06	SAM	TAL CAN
Total/NA	Prep	3050B			170247	03/02/15 10:49	DEE	TAL CAN
Total/NA	Analysis	6010B		1	170368	03/03/15 18:35	KLC	TAL CAN
Total/NA	Prep	7471A			170274	03/02/15 15:10	DEE	TAL CAN
Total/NA	Analysis	7471A		1	170482	03/03/15 12:40	BW	TAL CAN
Total/NA	Analysis	Moisture		1	170324	03/02/15 15:09	SEM	TAL CAN

Client Sample ID: S-150225-RA-10

Lab Sample ID: 240-47640-10

Date Collected: 02/25/15 12:30
Matrix: Solid
Date Received: 02/27/15 10:00
Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			170236	03/02/15 10:30	LAM	TAL CAN
Total/NA	Analysis	8260B		1	170670	03/04/15 17:27	SAM	TAL CAN
Total/NA	Prep	3050B			170247	03/02/15 10:49	DEE	TAL CAN
Total/NA	Analysis	6010B		1	170368	03/03/15 18:39	KLC	TAL CAN
Total/NA	Prep	7471A			170274	03/02/15 15:10	DEE	TAL CAN
Total/NA	Analysis	7471A		1	170482	03/03/15 12:46	BW	TAL CAN
Total/NA	Analysis	Moisture		1	170324	03/02/15 15:09	SEM	TAL CAN

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86119 City of Wausau Chemical Brownfield

TestAmerica Job ID: 240-47640-1

Client Sample ID: S-150225-RA-11
Date Collected: 02/25/15 12:30
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47640-11
Matrix: Solid
Percent Solids: 97.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			170236	03/02/15 10:30	LAM	TAL CAN
Total/NA	Analysis	8260B		1	170670	03/04/15 17:48	SAM	TAL CAN
Total/NA	Prep	3050B			170247	03/02/15 10:49	DEE	TAL CAN
Total/NA	Analysis	6010B		1	170368	03/03/15 18:43	KLC	TAL CAN
Total/NA	Prep	7471A			170274	03/02/15 15:10	DEE	TAL CAN
Total/NA	Analysis	7471A		1	170482	03/03/15 12:48	BW	TAL CAN
Total/NA	Analysis	Moisture		1	170324	03/02/15 15:09	SEM	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86119 City of Wausau Chemical Brownfield

TestAmerica Job ID: 240-47640-1

Laboratory: TestAmerica Canton

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	999518190	08-31-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Solid	1,1,2-Trichloro-1,2,2-trifluoroethane
8260B	5035	Solid	Cyclohexane
8260B	5035	Solid	Methyl acetate
8260B	5035	Solid	Methylcyclohexane
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS

240-47640 Chain of Custody

TestAmerica Canton
4101 Shuffel Street, N. W.
North Canton, OH 44720
Phone: 330.497.9396 Fax: 330.497.0772

0,8 / 1,3

Chain of Custody Record

044141

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Chuck Ahrens	Site Contact:	Date:	COC No:
Company Name: CRA	Tel/Fax:	Lab Contact: G. Anderson	Carrier:	____ of ____ COCs
Address: 1801 Old Highway 8 NW	Analysis Turnaround Time			Sampler:
City/State/Zip: St Paul MN 55112	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 6516390913	TAT if different from Below ____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: Wausau	☐ 1 week			
Site: Wausau Chemical	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs	Metals KRA	Sample Specific Notes:
S-150225-RA-01	2/25/15	900	G	SO	5			X	X	
S-150225-RA-02		900	G		5			X	X	
S-150225-RA-03		945	G		5			X	X	
S-150225-RA-04		945	G		5			X	X	
S-150225-RA-05		1045	G		5			X	X	
S-150225-RA-06		1045	G		5			X	X	
S-150225-RA-07		1045	G		5			X	X	
S-150225-RA-08		1135	G		5			X	X	
S-150225-RA-09		1135	G		5			X	X	
S-150225-RA-10		1230	G		5			X	X	
S-150225-RA-11		1230	G		5			X	X	

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4= HNO3, 5= NaOH, 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: ____ Corr'd: ____		Therm ID No.: ____
Relinquished by:	Company: CRA	Date/Time: 1330 2/25/15	Received by: Jessie Bonci	Company: TA Canton	Date/Time: 2/27/15 10:00
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Page 56 of 63

3/9/2015

TestAmerica Canton Sample Receipt Form/Narrative Login # : 470470
Canton Facility

Client CRA Site Name

Cooler Received on 2/27/15 Opened on 2/27/15

Cooler unpacked by: Jessie Bonvi

FedEx: 1st Grd (Exp) UPS FAS Stetson Client Drop Off TestAmerica Courier Other

Receipt After-hours: Drop-off Date/Time Storage Location

TestAmerica Cooler # Foam Box (Client Cooler) Box Other

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

~~IR GUN# A (CF +4.0 °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C~~

IR GUN# 4 (CF +0.5 °C) Observed Cooler Temp 0.8 °C Corrected Cooler Temp. 1.3 °C ☐ See Multiple Cooler Form

~~IR GUN# 5 (CF +0.4 °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C~~

IR GUN# 8 (CF -1.2 °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity Yes (No)
   -Were custody seals on the outside of the cooler(s) signed & dated? Yes No (NA)
   -Were custody seals on the bottle(s)? Yes (No)
3. Shippers' packing slip attached to the cooler(s)? (Yes) No
4. Did custody papers accompany the sample(s)? (Yes) No
5. Were the custody papers relinquished & signed in the appropriate place? (Yes) No
6. Was/were the sampler(s) clearly identified on the COC? Yes (No)
7. Did all bottles arrive in good condition (Unbroken)? (Yes) No
8. Could all bottle labels be reconciled with the COC? (Yes) No
9. Were correct bottle(s) used for the test(s) indicated? (Yes) No
10. Sufficient quantity received to perform indicated analyses? (Yes) No
11. Were sample(s) at the correct pH upon receipt? Yes No (NA) pH Strip Lot# HC425511
12. Were VOAs on the COC? (Yes) No
13. Were air bubbles >6 mm in any VOA vials? Yes No (NA)
14. Was a trip blank present in the cooler(s)? Trip Blank Lot # Yes (No)

Contacted PM NAP Date 2/27/15 by JB via Verbal Voice Mail (Other) email
Concerning freezing time

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by: Jessie Bonvi

~~Sample S-150225-RA-01 MeOH vial did not have MeOH in it.~~ JB

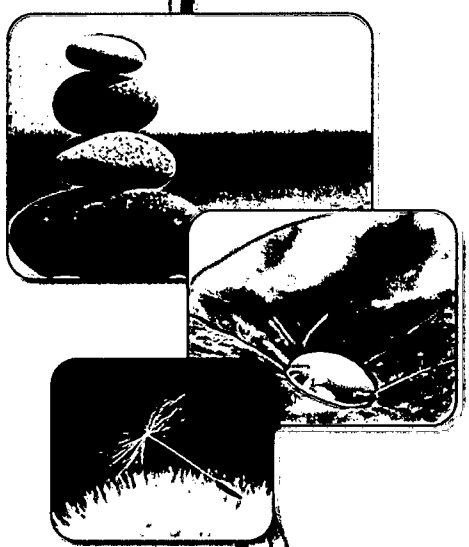
Received terracore vials with insufficient time remaining to freeze within 48 hours.

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.
Time preserved: _____ Preservative(s) added/Lot number(s): _____



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-47641-1
Client Project/Site: 86119 City of Wausau Chemical Brownfield

For:
Conestoga-Rovers & Associates, Inc.
1801 Old Highway 8 NW
Suite 114
St. Paul, Minnesota 55112

Attn: Mr. Grant Anderson

Denise D Heckler

Authorized for release by:
3/9/2015 10:18:35 AM

Denise Heckler, Project Manager II
(330)966-9477
denise.heckler@testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
B	Compound was found in the blank and sample.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
L	A negative instrument reading had an absolute value greater than the reporting limit

General Chemistry

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 240-47641-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 86119 City of Wausau Chemical Brownfield

Report Number: 240-47641-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

COMMENTS

Solid samples were adjusted for moisture content. The MDLs and RLs have also been adjusted.

RECEIPT

The samples were received on 02/27/2015; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.9° C and 3.5° C.

At the request of CRA, the medium level (methanol preserved) analysis was performed.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples S-150225-RA-12 (240-47641-1), S-150225-RA-13 (240-47641-2), S-150225-RA-14 (240-47641-3), S-150225-RA-15 (240-47641-4), S-150225-RA-16 (240-47641-5), S-150225-RA-17 (240-47641-6), S-150225-RA-18 (240-47641-7), S-150225-RA-19 (240-47641-8), S-150225-RA-20 (240-47641-9), S-150225-RA-21 (240-47641-10), S-150225-RA-22 (240-47641-11), S-150225-RA-23 (240-47641-12), S-150225-RA-24 (240-47641-13) and S-150225-RA-25 (240-47641-14) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 03/02/2015 and analyzed on 03/04/2015.

1,2,4-Trichlorobenzene, 2-Butanone (MEK) and 2-Hexanone were detected in method blank MB 240-170236/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Job ID: 240-47641-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

Surrogate recovery for the following sample(s) was outside control limits: S-150225-RA-24 (240-47641-13), S-150225-RA-24 (240-47641-13 MS), S-150225-RA-24 (240-47641-13 MSD). Re-extraction and/or re-analysis was performed with concurring results. The original analysis has been reported.

Surrogate recovery for the following sample(s) was outside of acceptance limits: S-150225-RA-13 (240-47641-2), S-150225-RA-15 (240-47641-4), S-150225-RA-16 (240-47641-5), S-150225-RA-18 (240-47641-7), S-150225-RA-19 (240-47641-8), S-150225-RA-20 (240-47641-9), S-150225-RA-21 (240-47641-10), S-150225-RA-22 (240-47641-11), S-150225-RA-23 (240-47641-12). There was insufficient sample to perform a re-extraction; therefore, the data have been reported.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batch 170236.

Tetrachloroethene failed the recovery criteria low for the MS of sample S-150225-RA-24MS (240-47641-13) in batch 240-170670. 1,2-Dichloropropane, Acetone, Chloroform and Ethylene Dibromide failed the recovery criteria high.

For the MSD of sample S-150225-RA-24MSD (240-47641-13) in batch 240-170670, Tetrachloroethene failed the recovery criteria low. 2-Hexanone and Acetone failed the recovery criteria high. Also, Chloroethane exceeded the RPD limit.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Sample W-150225-RA-01 (240-47641-15) was analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 03/03/2015.

Methylene Chloride was detected in method blank MB 240-170386/5 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL METALS (ICP)

Samples S-150225-RA-12 (240-47641-1), S-150225-RA-13 (240-47641-2), S-150225-RA-14 (240-47641-3), S-150225-RA-15 (240-47641-4), S-150225-RA-16 (240-47641-5), S-150225-RA-17 (240-47641-6), S-150225-RA-18 (240-47641-7), S-150225-RA-19 (240-47641-8), S-150225-RA-20 (240-47641-9), S-150225-RA-21 (240-47641-10), S-150225-RA-22 (240-47641-11), S-150225-RA-23 (240-47641-12), S-150225-RA-24 (240-47641-13) and S-150225-RA-25 (240-47641-14) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 03/02/2015 and analyzed on 03/03/2015.

Barium, Cadmium and Chromium were detected in method blank MB 240-170247/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL RECOVERABLE METALS (ICP)

Sample W-150225-RA-01 (240-47641-15) was analyzed for total recoverable metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 03/02/2015 and analyzed on 03/03/2015.

Arsenic was detected in method blank MB 240-170233/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Barium was detected in method blank MB 240-170233/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Job ID: 240-47641-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

TOTAL MERCURY

Sample W-150225-RA-01 (240-47641-15) was analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 03/02/2015 and analyzed on 03/03/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL MERCURY

Samples S-150225-RA-12 (240-47641-1), S-150225-RA-13 (240-47641-2), S-150225-RA-14 (240-47641-3), S-150225-RA-15 (240-47641-4), S-150225-RA-16 (240-47641-5), S-150225-RA-17 (240-47641-6), S-150225-RA-18 (240-47641-7), S-150225-RA-19 (240-47641-8), S-150225-RA-20 (240-47641-9), S-150225-RA-21 (240-47641-10), S-150225-RA-22 (240-47641-11), S-150225-RA-23 (240-47641-12), S-150225-RA-24 (240-47641-13) and S-150225-RA-25 (240-47641-14) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared on 03/02/2015 and analyzed on 03/03/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86119 City of Wausau Chemical Brownfield

TestAmerica Job ID: 240-47641-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CAN
6010B	Metals (ICP)	SW846	TAL CAN
7470A	Mercury (CVAA)	SW846	TAL CAN
7471A	Mercury (CVAA)	SW846	TAL CAN
Moisture	Percent Moisture	EPA	TAL CAN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86119 City of Wausau Chemical Brownfield

TestAmerica Job ID: 240-47641-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-47641-1	S-150225-RA-12	Solid	02/25/15 14:30	02/27/15 10:00
240-47641-2	S-150225-RA-13	Solid	02/25/15 14:30	02/27/15 10:00
240-47641-3	S-150225-RA-14	Solid	02/25/15 15:20	02/27/15 10:00
240-47641-4	S-150225-RA-15	Solid	02/25/15 15:40	02/27/15 10:00
240-47641-5	S-150225-RA-16	Solid	02/25/15 15:40	02/27/15 10:00
240-47641-6	S-150225-RA-17	Solid	02/25/15 16:30	02/27/15 10:00
240-47641-7	S-150225-RA-18	Solid	02/25/15 16:30	02/27/15 10:00
240-47641-8	S-150225-RA-19	Solid	02/25/15 16:30	02/27/15 10:00
240-47641-9	S-150225-RA-20	Solid	02/25/15 17:00	02/27/15 10:00
240-47641-10	S-150225-RA-21	Solid	02/25/15 17:00	02/27/15 10:00
240-47641-11	S-150225-RA-22	Solid	02/25/15 17:30	02/27/15 10:00
240-47641-12	S-150225-RA-23	Solid	02/25/15 17:30	02/27/15 10:00
240-47641-13	S-150225-RA-24	Solid	02/25/15 18:30	02/27/15 10:00
240-47641-14	S-150225-RA-25	Solid	02/25/15 18:30	02/27/15 10:00
240-47641-15	W-150225-RA-01	Water	02/25/15 17:00	02/27/15 10:00

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86119 City of Wausau Chemical Brownfield

TestAmerica Job ID: 240-47641-1

Client Sample ID: S-150225-RA-12 — Lab Sample ID: 240-47641-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	600	J	990	170	ug/Kg	1	☼	8260B	Total/NA
Methylene Chloride	81	J	250	76	ug/Kg	1	☼	8260B	Total/NA
Tetrachloroethene	61	J	250	12	ug/Kg	1	☼	8260B	Total/NA
Barium	63	B	21	0.43	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.14	J B	0.21	0.022	mg/Kg	1	☼	6010B	Total/NA
Chromium	9.4	B	0.52	0.078	mg/Kg	1	☼	6010B	Total/NA
Arsenic	5.3		1.0	0.43	mg/Kg	1	☼	6010B	Total/NA
Lead	17		0.31	0.21	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.035	J	0.13	0.018	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: S-150225-RA-13 — Lab Sample ID: 240-47641-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	460	J	890	150	ug/Kg	1	☼	8260B	Total/NA
Methylene Chloride	120	J	220	69	ug/Kg	1	☼	8260B	Total/NA
Barium	15	J B	18	0.37	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.048	J B	0.18	0.019	mg/Kg	1	☼	6010B	Total/NA
Chromium	5.6	B	0.45	0.068	mg/Kg	1	☼	6010B	Total/NA
Arsenic	0.88	J	0.91	0.37	mg/Kg	1	☼	6010B	Total/NA
Lead	1.0		0.27	0.18	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: S-150225-RA-14 — Lab Sample ID: 240-47641-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	410	J	930	160	ug/Kg	1	☼	8260B	Total/NA
Styrene	7.5	J	230	5.2	ug/Kg	1	☼	8260B	Total/NA
Tetrachloroethene	2600		230	11	ug/Kg	1	☼	8260B	Total/NA
Xylenes, Total	9.6	J	470	5.8	ug/Kg	1	☼	8260B	Total/NA
Methylcyclohexane	15	J	470	11	ug/Kg	1	☼	8260B	Total/NA
Barium	47	B	20	0.42	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.23	B	0.20	0.021	mg/Kg	1	☼	6010B	Total/NA
Chromium	12	B	0.51	0.076	mg/Kg	1	☼	6010B	Total/NA
Arsenic	2.5		1.0	0.42	mg/Kg	1	☼	6010B	Total/NA
Lead	22		0.31	0.20	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.024	J	0.10	0.015	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: S-150225-RA-15 — Lab Sample ID: 240-47641-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	460	J	1300	230	ug/Kg	1	☼	8260B	Total/NA
Tetrachloroethene	340		330	16	ug/Kg	1	☼	8260B	Total/NA
Barium	38	B	19	0.38	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.11	J B	0.19	0.020	mg/Kg	1	☼	6010B	Total/NA
Chromium	9.5	B	0.47	0.070	mg/Kg	1	☼	6010B	Total/NA
Arsenic	2.3		0.94	0.38	mg/Kg	1	☼	6010B	Total/NA
Lead	6.4		0.28	0.19	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.068	J	0.11	0.016	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: S-150225-RA-16 — Lab Sample ID: 240-47641-5

This Detection Summary does not include radiochemical test results.

Client Sample ID: S-150225-RA-16 (Continued)

Lab Sample ID: 240-47641-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	370	J	870	150	ug/Kg	1	☼	8260B	Total/NA
Styrene	5.6	J	220	4.9	ug/Kg	1	☼	8260B	Total/NA
Tetrachloroethene	21	J	220	10	ug/Kg	1	☼	8260B	Total/NA
Barium	9.5	J B	19	0.39	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.045	J B	0.19	0.020	mg/Kg	1	☼	6010B	Total/NA
Chromium	9.4	B	0.48	0.072	mg/Kg	1	☼	6010B	Total/NA
Arsenic	0.86	J	0.95	0.39	mg/Kg	1	☼	6010B	Total/NA
Lead	1.0		0.29	0.19	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: S-150225-RA-17

Lab Sample ID: 240-47641-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	190	J	970	160	ug/Kg	1	☼	8260B	Total/NA
Methylene Chloride	90	J	240	75	ug/Kg	1	☼	8260B	Total/NA
Tetrachloroethene	28	J	240	12	ug/Kg	1	☼	8260B	Total/NA
Toluene	53	J	240	16	ug/Kg	1	☼	8260B	Total/NA
Methyl acetate	670		480	24	ug/Kg	1	☼	8260B	Total/NA
Barium	41	B	19	0.39	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.069	J B	0.19	0.020	mg/Kg	1	☼	6010B	Total/NA
Chromium	12	B	0.48	0.071	mg/Kg	1	☼	6010B	Total/NA
Arsenic	2.3		0.95	0.39	mg/Kg	1	☼	6010B	Total/NA
Lead	2.7		0.29	0.19	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.47	J	0.48	0.32	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: S-150225-RA-18

Lab Sample ID: 240-47641-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	790	J	1200	200	ug/Kg	1	☼	8260B	Total/NA
2-Butanone (MEK)	81	J B	1200	52	ug/Kg	1	☼	8260B	Total/NA
Methylene Chloride	130	J	300	92	ug/Kg	1	☼	8260B	Total/NA
Styrene	11	J	300	6.7	ug/Kg	1	☼	8260B	Total/NA
Tetrachloroethene	24	J	300	14	ug/Kg	1	☼	8260B	Total/NA
Toluene	47	J	300	20	ug/Kg	1	☼	8260B	Total/NA
Methyl acetate	860		600	30	ug/Kg	1	☼	8260B	Total/NA
Barium	45	B	21	0.42	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.080	J B	0.21	0.022	mg/Kg	1	☼	6010B	Total/NA
Chromium	15	B	0.52	0.077	mg/Kg	1	☼	6010B	Total/NA
Arsenic	2.3		1.0	0.42	mg/Kg	1	☼	6010B	Total/NA
Lead	3.5		0.31	0.21	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: S-150225-RA-19

Lab Sample ID: 240-47641-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	820	J	870	150	ug/Kg	1	☼	8260B	Total/NA
Methylene Chloride	140	J	220	67	ug/Kg	1	☼	8260B	Total/NA
Styrene	12	J	220	4.9	ug/Kg	1	☼	8260B	Total/NA
Tetrachloroethene	910		220	10	ug/Kg	1	☼	8260B	Total/NA
Xylenes, Total	7.5	J	440	5.4	ug/Kg	1	☼	8260B	Total/NA
Barium	41		21	0.43	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.11	J	0.21	0.022	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: S-150225-RA-19 (Continued)

Lab Sample ID: 240-47641-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	11		0.53	0.079	mg/Kg	1	☼	6010B	Total/NA
Arsenic	1.9		1.1	0.43	mg/Kg	1	☼	6010B	Total/NA
Lead	2.7		0.32	0.21	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.38	J	0.53	0.36	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.031	J	0.11	0.015	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: S-150225-RA-20

Lab Sample ID: 240-47641-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	700	J	1300	230	ug/Kg	1	☼	8260B	Total/NA
Methylene Chloride	100	J	340	100	ug/Kg	1	☼	8260B	Total/NA
Styrene	13	J	340	7.5	ug/Kg	1	☼	8260B	Total/NA
Tetrachloroethene	91	J	340	16	ug/Kg	1	☼	8260B	Total/NA
Methyl acetate	660	J	670	34	ug/Kg	1	☼	8260B	Total/NA
Barium	41		19	0.39	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.13	J	0.19	0.020	mg/Kg	1	☼	6010B	Total/NA
Chromium	15		0.48	0.072	mg/Kg	1	☼	6010B	Total/NA
Arsenic	2.3		0.96	0.39	mg/Kg	1	☼	6010B	Total/NA
Lead	27		0.29	0.19	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.029	J	0.11	0.015	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: S-150225-RA-21

Lab Sample ID: 240-47641-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	330	J	1000	180	ug/Kg	1	☼	8260B	Total/NA
Tetrachloroethene	35	J	260	12	ug/Kg	1	☼	8260B	Total/NA
Trichloroethene	26	J	260	10	ug/Kg	1	☼	8260B	Total/NA
Barium	39		19	0.40	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.059	J	0.19	0.020	mg/Kg	1	☼	6010B	Total/NA
Chromium	10		0.49	0.073	mg/Kg	1	☼	6010B	Total/NA
Arsenic	1.9		0.97	0.40	mg/Kg	1	☼	6010B	Total/NA
Lead	2.4		0.29	0.19	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: S-150225-RA-22

Lab Sample ID: 240-47641-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1300		1100	190	ug/Kg	1	☼	8260B	Total/NA
Styrene	11	J	280	6.4	ug/Kg	1	☼	8260B	Total/NA
Barium	55		20	0.41	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.12	J	0.20	0.021	mg/Kg	1	☼	6010B	Total/NA
Chromium	7.3		0.50	0.075	mg/Kg	1	☼	6010B	Total/NA
Arsenic	4.2		1.0	0.41	mg/Kg	1	☼	6010B	Total/NA
Lead	15		0.30	0.20	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.019	J	0.10	0.014	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: S-150225-RA-23

Lab Sample ID: 240-47641-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	340	J	1000	170	ug/Kg	1	☼	8260B	Total/NA
Styrene	13	J	250	5.6	ug/Kg	1	☼	8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: S-150225-RA-23 (Continued)

Lab Sample ID: 240-47641-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	19		18	0.37	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.080	J	0.18	0.019	mg/Kg	1	☼	6010B	Total/NA
Chromium	9.7		0.45	0.068	mg/Kg	1	☼	6010B	Total/NA
Arsenic	1.3		0.91	0.37	mg/Kg	1	☼	6010B	Total/NA
Lead	1.5		0.27	0.18	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: S-150225-RA-24

Lab Sample ID: 240-47641-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	2400		250	12	ug/Kg	1	☼	8260B	Total/NA
Trichloroethene	76	J	250	9.7	ug/Kg	1	☼	8260B	Total/NA
Barium	9.4	J	17	0.34	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.055	J	0.17	0.017	mg/Kg	1	☼	6010B	Total/NA
Chromium	4.6		0.41	0.062	mg/Kg	1	☼	6010B	Total/NA
Arsenic	0.74	J	0.83	0.34	mg/Kg	1	☼	6010B	Total/NA
Lead	0.87		0.25	0.17	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: S-150225-RA-25

Lab Sample ID: 240-47641-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	320	J	770	130	ug/Kg	1	☼	8260B	Total/NA
Methylene Chloride	65	J	190	59	ug/Kg	1	☼	8260B	Total/NA
Styrene	12	J	190	4.3	ug/Kg	1	☼	8260B	Total/NA
Tetrachloroethene	2100		190	9.2	ug/Kg	1	☼	8260B	Total/NA
Trichloroethene	270		190	7.5	ug/Kg	1	☼	8260B	Total/NA
cis-1,2-Dichloroethene	190		190	5.3	ug/Kg	1	☼	8260B	Total/NA
trans-1,2-Dichloroethene	9.2	J	190	7.1	ug/Kg	1	☼	8260B	Total/NA
1,2,4-Trichlorobenzene	13	J	190	5.6	ug/Kg	1	☼	8260B	Total/NA
Barium	31		18	0.37	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.14	J	0.18	0.019	mg/Kg	1	☼	6010B	Total/NA
Chromium	15		0.45	0.068	mg/Kg	1	☼	6010B	Total/NA
Arsenic	1.3		0.91	0.37	mg/Kg	1	☼	6010B	Total/NA
Lead	2.1		0.27	0.18	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: W-150225-RA-01

Lab Sample ID: 240-47641-15

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: S-150225-RA-12
Date Collected: 02/25/15 14:30
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47641-1
Matrix: Solid
Percent Solids: 88.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**600**	**J**	990	170	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
Benzene	250	U	250	12	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
Dichlorobromomethane	250	U	250	9.8	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
Bromoform	250	U	250	19	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
Bromomethane	250	U	250	29	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
2-Butanone (MEK)	990	U	990	43	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
Carbon disulfide	250	U	250	12	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
Carbon tetrachloride	250	U	250	6.3	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
Chlorobenzene	250	U	250	6.3	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
Chloroethane	250	U	250	60	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
Chloroform	250	U	250	8.7	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
Chloromethane	250	U	250	14	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
1,1-Dichloroethane	250	U	250	17	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
1,2-Dichloroethane	250	U	250	9.9	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
1,1-Dichloroethene	250	U	250	18	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
1,2-Dichloropropane	250	U	250	8.1	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
cis-1,3-Dichloropropene	250	U	250	7.8	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
trans-1,3-Dichloropropene	250	U	250	20	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
Ethylbenzene	250	U	250	5.3	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
2-Hexanone	990	U	990	20	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
Methylene Chloride	**81**	**J**	250	76	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
4-Methyl-2-pentanone (MIBK)	990	U	990	47	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
Styrene	250	U	250	5.5	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
1,1,2,2-Tetrachloroethane	250	U	250	8.8	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
Tetrachloroethene	**61**	**J**	250	12	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
Toluene	250	U	250	17	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
Trichloroethene	250	U	250	9.6	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
Vinyl chloride	250	U	250	18	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
Xylenes, Total	490	U	490	6.1	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
1,1,1-Trichloroethane	250	U	250	21	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
1,1,2-Trichloroethane	250	U	250	12	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
Cyclohexane	490	U	490	40	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
1,2-Dibromo-3-Chloropropane	490	U	490	49	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
Ethylene Dibromide	250	U	250	9.9	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
Dichlorodifluoromethane	250	U	250	16	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
cis-1,2-Dichloroethene	250	U	250	6.8	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
trans-1,2-Dichloroethene	250	U	250	9.1	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
Isopropylbenzene	250	U	250	6.4	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
Methyl acetate	490	U	490	25	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
Methyl tert-butyl ether	250	U	250	7.0	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	250	U	250	39	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
1,2,4-Trichlorobenzene	250	U	250	7.2	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
1,2-Dichlorobenzene	250	U	250	8.5	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
1,3-Dichlorobenzene	250	U	250	4.7	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
1,4-Dichlorobenzene	250	U	250	7.9	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
Trichlorofluoromethane	250	U	250	16	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
Chlorodibromomethane	250	U	250	12	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1
Methylcyclohexane	490	U	490	12	ug/Kg	☼	03/02/15 10:30	03/04/15 18:10	1

Client Sample ID: S-150225-RA-12
Date Collected: 02/25/15 14:30
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47641-1
Matrix: Solid
Percent Solids: 88.3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*124*		*39 - 128*	*03/02/15 10:30*	*03/04/15 18:10*	*1*
4-Bromofluorobenzene (Surr)	*101*		*26 - 141*	*03/02/15 10:30*	*03/04/15 18:10*	*1*
Toluene-d8 (Surr)	*110*		*33 - 134*	*03/02/15 10:30*	*03/04/15 18:10*	*1*
Dibromofluoromethane (Surr)	*110*		*30 - 122*	*03/02/15 10:30*	*03/04/15 18:10*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**63**	**B**	21	0.43	mg/Kg	☼	03/02/15 10:49	03/03/15 18:47	1
Cadmium	**0.14**	**J B**	0.21	0.022	mg/Kg	☼	03/02/15 10:49	03/03/15 18:47	1
Chromium	**9.4**	**B**	0.52	0.078	mg/Kg	☼	03/02/15 10:49	03/03/15 18:47	1
Silver	0.52	U	0.52	0.065	mg/Kg	☼	03/02/15 10:49	03/03/15 18:47	1
Arsenic	**5.3**		1.0	0.43	mg/Kg	☼	03/02/15 10:49	03/03/15 18:47	1
Lead	**17**		0.31	0.21	mg/Kg	☼	03/02/15 10:49	03/03/15 18:47	1
Selenium	0.52	U	0.52	0.35	mg/Kg	☼	03/02/15 10:49	03/03/15 18:47	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.035**	**J**	0.13	0.018	mg/Kg	☼	03/02/15 15:10	03/03/15 12:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**88**		0.10	0.10	%			03/02/15 15:09	1
Percent Moisture	**12**		0.10	0.10	%			03/02/15 15:09	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86119 City of Wausau Chemical Brownfield

TestAmerica Job ID: 240-47641-1

Client Sample ID: S-150225-RA-13
Date Collected: 02/25/15 14:30
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47641-2
Matrix: Solid
Percent Solids: 97.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**460**	**J**	890	150	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
Benzene	220	U	220	11	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
Dichlorobromomethane	220	U	220	8.9	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
Bromoform	220	U	220	17	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
Bromomethane	220	U	220	26	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
2-Butanone (MEK)	890	U	890	38	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
Carbon disulfide	220	U	220	11	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
Carbon tetrachloride	220	U	220	5.7	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
Chlorobenzene	220	U	220	5.7	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
Chloroethane	220	U	220	55	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
Chloroform	220	U	220	7.9	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
Chloromethane	220	U	220	13	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
1,1-Dichloroethane	220	U	220	15	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
1,2-Dichloroethane	220	U	220	8.9	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
1,1-Dichloroethene	220	U	220	16	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
1,2-Dichloropropane	220	U	220	7.3	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
cis-1,3-Dichloropropene	220	U	220	7.1	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
trans-1,3-Dichloropropene	220	U	220	18	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
Ethylbenzene	220	U	220	4.8	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
2-Hexanone	890	U	890	18	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
Methylene Chloride	**120**	**J**	220	69	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
4-Methyl-2-pentanone (MIBK)	890	U	890	43	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
Styrene	220	U	220	5.0	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
1,1,2,2-Tetrachloroethane	220	U	220	8.0	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
Tetrachloroethene	220	U	220	11	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
Toluene	220	U	220	15	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
Trichloroethene	220	U	220	8.7	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
Vinyl chloride	220	U	220	16	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
Xylenes, Total	450	U	450	5.5	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
1,1,1-Trichloroethane	220	U	220	19	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
1,1,2-Trichloroethane	220	U	220	11	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
Cyclohexane	450	U	450	36	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
1,2-Dibromo-3-Chloropropane	450	U	450	45	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
Ethylene Dibromide	220	U	220	8.9	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
Dichlorodifluoromethane	220	U	220	14	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
cis-1,2-Dichloroethene	220	U	220	6.2	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
trans-1,2-Dichloroethene	220	U	220	8.2	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
Isopropylbenzene	220	U	220	5.8	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
Methyl acetate	450	U	450	22	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
Methyl tert-butyl ether	220	U	220	6.4	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	220	U	220	35	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
1,2,4-Trichlorobenzene	220	U	220	6.5	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
1,2-Dichlorobenzene	220	U	220	7.7	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
1,3-Dichlorobenzene	220	U	220	4.3	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
1,4-Dichlorobenzene	220	U	220	7.2	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
Trichlorofluoromethane	220	U	220	14	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
Chlorodibromomethane	220	U	220	11	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1
Methylcyclohexane	450	U	450	11	ug/Kg	☼	03/02/15 10:30	03/04/15 18:31	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86119 City of Wausau Chemical Brownfield

TestAmerica Job ID: 240-47641-1

Client Sample ID: S-150225-RA-13
Date Collected: 02/25/15 14:30
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47641-2
Matrix: Solid
Percent Solids: 97.7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*143*	*X*	*39 - 128*	*03/02/15 10:30*	*03/04/15 18:31*	*1*
4-Bromofluorobenzene (Surr)	*109*		*26 - 141*	*03/02/15 10:30*	*03/04/15 18:31*	*1*
Toluene-d8 (Surr)	*124*		*33 - 134*	*03/02/15 10:30*	*03/04/15 18:31*	*1*
Dibromofluoromethane (Surr)	*124*	*X*	*30 - 122*	*03/02/15 10:30*	*03/04/15 18:31*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**15**	**J B**	18	0.37	mg/Kg	☼	03/02/15 10:49	03/03/15 18:51	1
Cadmium	**0.048**	**J B**	0.18	0.019	mg/Kg	☼	03/02/15 10:49	03/03/15 18:51	1
Chromium	**5.6**	**B**	0.45	0.068	mg/Kg	☼	03/02/15 10:49	03/03/15 18:51	1
Silver	0.45	U	0.45	0.057	mg/Kg	☼	03/02/15 10:49	03/03/15 18:51	1
Arsenic	**0.88**	**J**	0.91	0.37	mg/Kg	☼	03/02/15 10:49	03/03/15 18:51	1
Lead	**1.0**		0.27	0.18	mg/Kg	☼	03/02/15 10:49	03/03/15 18:51	1
Selenium	0.45	U	0.45	0.31	mg/Kg	☼	03/02/15 10:49	03/03/15 18:51	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11	U	0.11	0.015	mg/Kg	☼	03/02/15 15:10	03/03/15 12:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**98**		0.10	0.10	%			03/02/15 15:09	1
Percent Moisture	**2.3**		0.10	0.10	%			03/02/15 15:09	1

Client Sample ID: S-150225-RA-14
Date Collected: 02/25/15 15:20
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47641-3
Matrix: Solid
Percent Solids: 91.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**410**	**J**	930	160	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
Benzene	230	U	230	11	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
Dichlorobromomethane	230	U	230	9.3	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
Bromoform	230	U	230	18	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
Bromomethane	230	U	230	27	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
2-Butanone (MEK)	930	U	930	40	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
Carbon disulfide	230	U	230	11	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
Carbon tetrachloride	230	U	230	6.0	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
Chlorobenzene	230	U	230	6.0	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
Chloroethane	230	U	230	57	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
Chloroform	230	U	230	8.2	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
Chloromethane	230	U	230	13	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
1,1-Dichloroethane	230	U	230	16	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
1,2-Dichloroethane	230	U	230	9.3	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
1,1-Dichloroethene	230	U	230	17	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
1,2-Dichloropropane	230	U	230	7.7	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
cis-1,3-Dichloropropene	230	U	230	7.4	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
trans-1,3-Dichloropropene	230	U	230	19	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
Ethylbenzene	230	U	230	5.0	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
2-Hexanone	930	U	930	19	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
Methylene Chloride	230	U	230	72	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
4-Methyl-2-pentanone (MIBK)	930	U	930	45	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
Styrene	**7.5**	**J**	230	5.2	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
1,1,2,2-Tetrachloroethane	230	U	230	8.3	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
Tetrachloroethene	**2600**		230	11	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
Toluene	230	U	230	16	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
Trichloroethene	230	U	230	9.1	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
Vinyl chloride	230	U	230	17	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
Xylenes, Total	**9.6**	**J**	470	5.8	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
1,1,1-Trichloroethane	230	U	230	20	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
1,1,2-Trichloroethane	230	U	230	11	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
Cyclohexane	470	U	470	37	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
1,2-Dibromo-3-Chloropropane	470	U	470	47	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
Ethylene Dibromide	230	U	230	9.3	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
Dichlorodifluoromethane	230	U	230	15	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
cis-1,2-Dichloroethene	230	U	230	6.4	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
trans-1,2-Dichloroethene	230	U	230	8.6	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
Isopropylbenzene	230	U	230	6.1	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
Methyl acetate	470	U	470	23	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
Methyl tert-butyl ether	230	U	230	6.6	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	230	U	230	36	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
1,2,4-Trichlorobenzene	230	U	230	6.8	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
1,2-Dichlorobenzene	230	U	230	8.0	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
1,3-Dichlorobenzene	230	U	230	4.5	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
1,4-Dichlorobenzene	230	U	230	7.5	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
Trichlorofluoromethane	230	U	230	15	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
Chlorodibromomethane	230	U	230	11	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1
Methylcyclohexane	**15**	**J**	470	11	ug/Kg	☼	03/02/15 10:30	03/04/15 18:53	1

Client Sample ID: S-150225-RA-14
Date Collected: 02/25/15 15:20
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47641-3
Matrix: Solid
Percent Solids: 91.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*127*		*39 - 128*	*03/02/15 10:30*	*03/04/15 18:53*	*1*
4-Bromofluorobenzene (Surr)	*97*		*26 - 141*	*03/02/15 10:30*	*03/04/15 18:53*	*1*
Toluene-d8 (Surr)	*104*		*33 - 134*	*03/02/15 10:30*	*03/04/15 18:53*	*1*
Dibromofluoromethane (Surr)	*106*		*30 - 122*	*03/02/15 10:30*	*03/04/15 18:53*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**47**	**B**	20	0.42	mg/Kg	☼	03/02/15 10:49	03/03/15 18:55	1
Cadmium	**0.23**	**B**	0.20	0.021	mg/Kg	☼	03/02/15 10:49	03/03/15 18:55	1
Chromium	**12**	**B**	0.51	0.076	mg/Kg	☼	03/02/15 10:49	03/03/15 18:55	1
Silver	0.51	U	0.51	0.064	mg/Kg	☼	03/02/15 10:49	03/03/15 18:55	1
Arsenic	**2.5**		1.0	0.42	mg/Kg	☼	03/02/15 10:49	03/03/15 18:55	1
Lead	**22**		0.31	0.20	mg/Kg	☼	03/02/15 10:49	03/03/15 18:55	1
Selenium	0.51	U	0.51	0.35	mg/Kg	☼	03/02/15 10:49	03/03/15 18:55	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.024**	**J**	0.10	0.015	mg/Kg	☼	03/02/15 15:10	03/03/15 12:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**91**		0.10	0.10	%			03/02/15 15:09	1
Percent Moisture	**9.0**		0.10	0.10	%			03/02/15 15:09	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86119 City of Wausau Chemical Brownfield

TestAmerica Job ID: 240-47641-1

Client Sample ID: S-150225-RA-15
Date Collected: 02/25/15 15:40
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47641-4
Matrix: Solid
Percent Solids: 90.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**460**	**J**	1300	230	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
Benzene	330	U	330	16	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
Dichlorobromomethane	330	U	330	13	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
Bromoform	330	U	330	25	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
Bromomethane	330	U	330	38	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
2-Butanone (MEK)	1300	U	1300	57	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
Carbon disulfide	330	U	330	16	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
Carbon tetrachloride	330	U	330	8.5	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
Chlorobenzene	330	U	330	8.5	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
Chloroethane	330	U	330	81	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
Chloroform	330	U	330	12	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
Chloromethane	330	U	330	19	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
1,1-Dichloroethane	330	U	330	23	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
1,2-Dichloroethane	330	U	330	13	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
1,1-Dichloroethene	330	U	330	24	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
1,2-Dichloropropane	330	U	330	11	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
cis-1,3-Dichloropropene	330	U	330	10	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
trans-1,3-Dichloropropene	330	U	330	27	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
Ethylbenzene	330	U	330	7.2	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
2-Hexanone	1300	U	1300	27	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
Methylene Chloride	330	U	330	100	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
4-Methyl-2-pentanone (MIBK)	1300	U	1300	64	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
Styrene	330	U	330	7.4	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
1,1,2,2-Tetrachloroethane	330	U	330	12	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
Tetrachloroethene	**340**		330	16	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
Toluene	330	U	330	23	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
Trichloroethene	330	U	330	13	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
Vinyl chloride	330	U	330	24	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
Xylenes, Total	660	U	660	8.2	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
1,1,1-Trichloroethane	330	U	330	28	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
1,1,2-Trichloroethane	330	U	330	16	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
Cyclohexane	660	U	660	53	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
1,2-Dibromo-3-Chloropropane	660	U	660	66	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
Ethylene Dibromide	330	U	330	13	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
Dichlorodifluoromethane	330	U	330	21	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
cis-1,2-Dichloroethene	330	U	330	9.2	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
trans-1,2-Dichloroethene	330	U	330	12	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
Isopropylbenzene	330	U	330	8.6	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
Methyl acetate	660	U	660	33	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
Methyl tert-butyl ether	330	U	330	9.4	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	330	U	330	52	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
1,2,4-Trichlorobenzene	330	U	330	9.7	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
1,2-Dichlorobenzene	330	U	330	11	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
1,3-Dichlorobenzene	330	U	330	6.4	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
1,4-Dichlorobenzene	330	U	330	11	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
Trichlorofluoromethane	330	U	330	21	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
Chlorodibromomethane	330	U	330	16	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1
Methylcyclohexane	660	U	660	16	ug/Kg	☼	03/02/15 10:30	03/04/15 19:14	1

Client Sample ID: S-150225-RA-15
Date Collected: 02/25/15 15:40
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47641-4
Matrix: Solid
Percent Solids: 90.6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*134*	*X*	*39 - 128*	*03/02/15 10:30*	*03/04/15 19:14*	*1*
4-Bromofluorobenzene (Surr)	*101*		*26 - 141*	*03/02/15 10:30*	*03/04/15 19:14*	*1*
Toluene-d8 (Surr)	*108*		*33 - 134*	*03/02/15 10:30*	*03/04/15 19:14*	*1*
Dibromofluoromethane (Surr)	*107*		*30 - 122*	*03/02/15 10:30*	*03/04/15 19:14*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**38**	**B**	19	0.38	mg/Kg	☼	03/02/15 10:49	03/03/15 18:59	1
Cadmium	**0.11**	**J B**	0.19	0.020	mg/Kg	☼	03/02/15 10:49	03/03/15 18:59	1
Chromium	**9.5**	**B**	0.47	0.070	mg/Kg	☼	03/02/15 10:49	03/03/15 18:59	1
Silver	0.47	U	0.47	0.059	mg/Kg	☼	03/02/15 10:49	03/03/15 18:59	1
Arsenic	**2.3**		0.94	0.38	mg/Kg	☼	03/02/15 10:49	03/03/15 18:59	1
Lead	**6.4**		0.28	0.19	mg/Kg	☼	03/02/15 10:49	03/03/15 18:59	1
Selenium	0.47	U	0.47	0.32	mg/Kg	☼	03/02/15 10:49	03/03/15 18:59	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.068**	**J**	0.11	0.016	mg/Kg	☼	03/02/15 15:10	03/03/15 12:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**91**		0.10	0.10	%			03/02/15 15:09	1
Percent Moisture	**9.4**		0.10	0.10	%			03/02/15 15:09	1

Client Sample ID: S-150225-RA-16
Date Collected: 02/25/15 15:40
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47641-5
Matrix: Solid
Percent Solids: 97.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**370**	**J**	870	150	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
Benzene	220	U	220	10	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
Dichlorobromomethane	220	U	220	8.6	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
Bromoform	220	U	220	17	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
Bromomethane	220	U	220	25	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
2-Butanone (MEK)	870	U	870	37	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
Carbon disulfide	220	U	220	10	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
Carbon tetrachloride	220	U	220	5.6	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
Chlorobenzene	220	U	220	5.6	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
Chloroethane	220	U	220	53	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
Chloroform	220	U	220	7.6	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
Chloromethane	220	U	220	12	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
1,1-Dichloroethane	220	U	220	15	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
1,2-Dichloroethane	220	U	220	8.7	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
1,1-Dichloroethene	220	U	220	16	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
1,2-Dichloropropane	220	U	220	7.1	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
cis-1,3-Dichloropropene	220	U	220	6.9	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
trans-1,3-Dichloropropene	220	U	220	17	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
Ethylbenzene	220	U	220	4.7	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
2-Hexanone	870	U	870	17	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
Methylene Chloride	220	U	220	67	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
4-Methyl-2-pentanone (MIBK)	870	U	870	42	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
Styrene	**5.6**	**J**	220	4.9	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
1,1,2,2-Tetrachloroethane	220	U	220	7.7	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
Tetrachloroethene	**21**	**J**	220	10	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
Toluene	220	U	220	15	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
Trichloroethene	220	U	220	8.4	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
Vinyl chloride	220	U	220	16	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
Xylenes, Total	430	U	430	5.4	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
1,1,1-Trichloroethane	220	U	220	18	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
1,1,2-Trichloroethane	220	U	220	10	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
Cyclohexane	430	U	430	35	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
1,2-Dibromo-3-Chloropropane	430	U	430	43	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
Ethylene Dibromide	220	U	220	8.7	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
Dichlorodifluoromethane	220	U	220	14	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
cis-1,2-Dichloroethene	220	U	220	6.0	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
trans-1,2-Dichloroethene	220	U	220	8.0	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
Isopropylbenzene	220	U	220	5.6	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
Methyl acetate	430	U	430	22	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
Methyl tert-butyl ether	220	U	220	6.2	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	220	U	220	34	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
1,2,4-Trichlorobenzene	220	U	220	6.3	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
1,2-Dichlorobenzene	220	U	220	7.5	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
1,3-Dichlorobenzene	220	U	220	4.2	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
1,4-Dichlorobenzene	220	U	220	7.0	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
Trichlorofluoromethane	220	U	220	14	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
Chlorodibromomethane	220	U	220	10	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1
Methylcyclohexane	430	U	430	10	ug/Kg	☼	03/02/15 10:30	03/04/15 19:36	1

Client Sample ID: S-150225-RA-16
Date Collected: 02/25/15 15:40
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47641-5
Matrix: Solid
Percent Solids: 97.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*134*	*X*	*39 - 128*	*03/02/15 10:30*	*03/04/15 19:36*	*1*
4-Bromofluorobenzene (Surr)	*101*		*26 - 141*	*03/02/15 10:30*	*03/04/15 19:36*	*1*
Toluene-d8 (Surr)	*110*		*33 - 134*	*03/02/15 10:30*	*03/04/15 19:36*	*1*
Dibromofluoromethane (Surr)	*110*		*30 - 122*	*03/02/15 10:30*	*03/04/15 19:36*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**9.5**	**J B**	19	0.39	mg/Kg	☼	03/02/15 10:49	03/03/15 19:03	1
Cadmium	**0.045**	**J B**	0.19	0.020	mg/Kg	☼	03/02/15 10:49	03/03/15 19:03	1
Chromium	**9.4**	**B**	0.48	0.072	mg/Kg	☼	03/02/15 10:49	03/03/15 19:03	1
Silver	0.48	U	0.48	0.060	mg/Kg	☼	03/02/15 10:49	03/03/15 19:03	1
Arsenic	**0.86**	**J**	0.95	0.39	mg/Kg	☼	03/02/15 10:49	03/03/15 19:03	1
Lead	**1.0**		0.29	0.19	mg/Kg	☼	03/02/15 10:49	03/03/15 19:03	1
Selenium	0.48	U	0.48	0.32	mg/Kg	☼	03/02/15 10:49	03/03/15 19:03	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.094	U	0.094	0.013	mg/Kg	☼	03/02/15 15:10	03/03/15 12:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**97**		0.10	0.10	%			03/02/15 15:09	1
Percent Moisture	**3.0**		0.10	0.10	%			03/02/15 15:09	1

Client Sample ID: S-150225-RA-17
Date Collected: 02/25/15 16:30
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47641-6
Matrix: Solid
Percent Solids: 95.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**190**	**J**	970	160	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
Benzene	240	U	240	12	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
Dichlorobromomethane	240	U	240	9.6	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
Bromoform	240	U	240	18	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
Bromomethane	240	U	240	28	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
2-Butanone (MEK)	970	U	970	42	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
Carbon disulfide	240	U	240	12	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
Carbon tetrachloride	240	U	240	6.2	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
Chlorobenzene	240	U	240	6.2	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
Chloroethane	240	U	240	59	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
Chloroform	240	U	240	8.5	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
Chloromethane	240	U	240	14	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
1,1-Dichloroethane	240	U	240	16	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
1,2-Dichloroethane	240	U	240	9.7	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
1,1-Dichloroethene	240	U	240	17	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
1,2-Dichloropropane	240	U	240	7.9	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
cis-1,3-Dichloropropene	240	U	240	7.7	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
trans-1,3-Dichloropropene	240	U	240	19	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
Ethylbenzene	240	U	240	5.2	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
2-Hexanone	970	U	970	19	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
Methylene Chloride	**90**	**J**	240	75	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
4-Methyl-2-pentanone (MIBK)	970	U	970	46	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
Styrene	240	U	240	5.4	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
1,1,2,2-Tetrachloroethane	240	U	240	8.6	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
Tetrachloroethene	**28**	**J**	240	12	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
Toluene	**53**	**J**	240	16	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
Trichloroethene	240	U	240	9.4	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
Vinyl chloride	240	U	240	17	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
Xylenes, Total	480	U	480	6.0	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
1,1,1-Trichloroethane	240	U	240	20	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
1,1,2-Trichloroethane	240	U	240	12	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
Cyclohexane	480	U	480	39	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
1,2-Dibromo-3-Chloropropane	480	U	480	48	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
Ethylene Dibromide	240	U	240	9.7	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
Dichlorodifluoromethane	240	U	240	15	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
cis-1,2-Dichloroethene	240	U	240	6.7	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
trans-1,2-Dichloroethene	240	U	240	8.9	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
Isopropylbenzene	240	U	240	6.3	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
Methyl acetate	**670**		480	24	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
Methyl tert-butyl ether	240	U	240	6.9	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	240	U	240	38	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
1,2,4-Trichlorobenzene	240	U	240	7.1	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
1,2-Dichlorobenzene	240	U	240	8.3	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
1,3-Dichlorobenzene	240	U	240	4.6	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
1,4-Dichlorobenzene	240	U	240	7.7	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
Trichlorofluoromethane	240	U	240	15	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
Chlorodibromomethane	240	U	240	12	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1
Methylcyclohexane	480	U	480	12	ug/Kg	☼	03/02/15 10:30	03/04/15 19:57	1

Client Sample ID: S-150225-RA-17
Lab Sample ID: 240-47641-6
Date Collected: 02/25/15 16:30
Matrix: Solid
Date Received: 02/27/15 10:00
Percent Solids: 95.6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*128*		*39 - 128*	*03/02/15 10:30*	*03/04/15 19:57*	*1*
4-Bromofluorobenzene (Surr)	*103*		*26 - 141*	*03/02/15 10:30*	*03/04/15 19:57*	*1*
Toluene-d8 (Surr)	*118*		*33 - 134*	*03/02/15 10:30*	*03/04/15 19:57*	*1*
Dibromofluoromethane (Surr)	*94*		*30 - 122*	*03/02/15 10:30*	*03/04/15 19:57*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**41**	**B**	19	0.39	mg/Kg	☼	03/02/15 10:49	03/03/15 19:07	1
Cadmium	**0.069**	**J B**	0.19	0.020	mg/Kg	☼	03/02/15 10:49	03/03/15 19:07	1
Chromium	**12**	**B**	0.48	0.071	mg/Kg	☼	03/02/15 10:49	03/03/15 19:07	1
Silver	0.48	U	0.48	0.060	mg/Kg	☼	03/02/15 10:49	03/03/15 19:07	1
Arsenic	**2.3**		0.95	0.39	mg/Kg	☼	03/02/15 10:49	03/03/15 19:07	1
Lead	**2.7**		0.29	0.19	mg/Kg	☼	03/02/15 10:49	03/03/15 19:07	1
Selenium	**0.47**	**J**	0.48	0.32	mg/Kg	☼	03/02/15 10:49	03/03/15 19:07	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.12	U	0.12	0.017	mg/Kg	☼	03/02/15 15:10	03/03/15 13:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**96**		0.10	0.10	%			03/02/15 15:09	1
Percent Moisture	**4.4**		0.10	0.10	%			03/02/15 15:09	1

Client Sample ID: S-150225-RA-18
Date Collected: 02/25/15 16:30
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47641-7
Matrix: Solid
Percent Solids: 94.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**790**	**J**	1200	200	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
Benzene	300	U	300	14	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
Dichlorobromomethane	300	U	300	12	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
Bromoform	300	U	300	23	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
Bromomethane	300	U	300	35	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
2-Butanone (MEK)	**81**	**J B**	1200	52	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
Carbon disulfide	300	U	300	14	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
Carbon tetrachloride	300	U	300	7.7	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
Chlorobenzene	300	U	300	7.7	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
Chloroethane	300	U	300	73	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
Chloroform	300	U	300	11	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
Chloromethane	300	U	300	17	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
1,1-Dichloroethane	300	U	300	20	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
1,2-Dichloroethane	300	U	300	12	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
1,1-Dichloroethene	300	U	300	22	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
1,2-Dichloropropane	300	U	300	9.8	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
cis-1,3-Dichloropropene	300	U	300	9.5	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
trans-1,3-Dichloropropene	300	U	300	24	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
Ethylbenzene	300	U	300	6.5	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
2-Hexanone	1200	U	1200	24	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
Methylene Chloride	**130**	**J**	300	92	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
4-Methyl-2-pentanone (MIBK)	1200	U	1200	58	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
Styrene	**11**	**J**	300	6.7	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
1,1,2,2-Tetrachloroethane	300	U	300	11	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
Tetrachloroethene	**24**	**J**	300	14	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
Toluene	**47**	**J**	300	20	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
Trichloroethene	300	U	300	12	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
Vinyl chloride	300	U	300	22	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
Xylenes, Total	600	U	600	7.4	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
1,1,1-Trichloroethane	300	U	300	25	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
1,1,2-Trichloroethane	300	U	300	14	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
Cyclohexane	600	U	600	48	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
1,2-Dibromo-3-Chloropropane	600	U	600	60	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
Ethylene Dibromide	300	U	300	12	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
Dichlorodifluoromethane	300	U	300	19	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
cis-1,2-Dichloroethene	300	U	300	8.3	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
trans-1,2-Dichloroethene	300	U	300	11	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
Isopropylbenzene	300	U	300	7.8	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
Methyl acetate	**860**		600	30	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
Methyl tert-butyl ether	300	U	300	8.5	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	300	U	300	47	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
1,2,4-Trichlorobenzene	300	U	300	8.8	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
1,2-Dichlorobenzene	300	U	300	10	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
1,3-Dichlorobenzene	300	U	300	5.8	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
1,4-Dichlorobenzene	300	U	300	9.6	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
Trichlorofluoromethane	300	U	300	19	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
Chlorodibromomethane	300	U	300	14	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1
Methylcyclohexane	600	U	600	14	ug/Kg	☼	03/02/15 10:30	03/04/15 20:18	1

Client Sample ID: S-150225-RA-18
Date Collected: 02/25/15 16:30
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47641-7
Matrix: Solid
Percent Solids: 94.9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*136*	*X*	*39 - 128*	*03/02/15 10:30*	*03/04/15 20:18*	*1*
4-Bromofluorobenzene (Surr)	*105*		*26 - 141*	*03/02/15 10:30*	*03/04/15 20:18*	*1*
Toluene-d8 (Surr)	*111*		*33 - 134*	*03/02/15 10:30*	*03/04/15 20:18*	*1*
Dibromofluoromethane (Surr)	*85*		*30 - 122*	*03/02/15 10:30*	*03/04/15 20:18*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**45**	**B**	21	0.42	mg/Kg	☼	03/02/15 10:49	03/03/15 19:11	1
Cadmium	**0.080**	**J B**	0.21	0.022	mg/Kg	☼	03/02/15 10:49	03/03/15 19:11	1
Chromium	**15**	**B**	0.52	0.077	mg/Kg	☼	03/02/15 10:49	03/03/15 19:11	1
Silver	0.52	U	0.52	0.065	mg/Kg	☼	03/02/15 10:49	03/03/15 19:11	1
Arsenic	**2.3**		1.0	0.42	mg/Kg	☼	03/02/15 10:49	03/03/15 19:11	1
Lead	**3.5**		0.31	0.21	mg/Kg	☼	03/02/15 10:49	03/03/15 19:11	1
Selenium	0.52	U	0.52	0.35	mg/Kg	☼	03/02/15 10:49	03/03/15 19:11	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.10	U	0.10	0.015	mg/Kg	☼	03/02/15 15:10	03/03/15 13:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**95**		0.10	0.10	%			03/02/15 15:09	1
Percent Moisture	**5.1**		0.10	0.10	%			03/02/15 15:09	1

Client Sample ID: S-150225-RA-19
Date Collected: 02/25/15 16:30
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47641-8
Matrix: Solid
Percent Solids: 89.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**820**	**J**	870	150	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
Benzene	220	U	220	10	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
Dichlorobromomethane	220	U	220	8.6	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
Bromoform	220	U	220	17	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
Bromomethane	220	U	220	25	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
2-Butanone (MEK)	870	U	870	38	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
Carbon disulfide	220	U	220	10	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
Carbon tetrachloride	220	U	220	5.6	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
Chlorobenzene	220	U	220	5.6	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
Chloroethane	220	U	220	53	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
Chloroform	220	U	220	7.7	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
Chloromethane	220	U	220	12	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
1,1-Dichloroethane	220	U	220	15	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
1,2-Dichloroethane	220	U	220	8.7	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
1,1-Dichloroethene	220	U	220	16	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
1,2-Dichloropropane	220	U	220	7.2	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
cis-1,3-Dichloropropene	220	U	220	6.9	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
trans-1,3-Dichloropropene	220	U	220	17	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
Ethylbenzene	220	U	220	4.7	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
2-Hexanone	870	U	870	17	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
Methylene Chloride	**140**	**J**	220	67	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
4-Methyl-2-pentanone (MIBK)	870	U	870	42	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
Styrene	**12**	**J**	220	4.9	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
1,1,2,2-Tetrachloroethane	220	U	220	7.8	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
Tetrachloroethene	**910**		220	10	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
Toluene	220	U	220	15	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
Trichloroethene	220	U	220	8.5	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
Vinyl chloride	220	U	220	16	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
Xylenes, Total	**7.5**	**J**	440	5.4	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
1,1,1-Trichloroethane	220	U	220	18	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
1,1,2-Trichloroethane	220	U	220	10	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
Cyclohexane	440	U	440	35	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
1,2-Dibromo-3-Chloropropane	440	U	440	44	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
Ethylene Dibromide	220	U	220	8.7	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
Dichlorodifluoromethane	220	U	220	14	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
cis-1,2-Dichloroethene	220	U	220	6.0	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
trans-1,2-Dichloroethene	220	U	220	8.0	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
Isopropylbenzene	220	U	220	5.7	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
Methyl acetate	440	U	440	22	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
Methyl tert-butyl ether	220	U	220	6.2	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	220	U	220	34	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
1,2,4-Trichlorobenzene	220	U	220	6.4	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
1,2-Dichlorobenzene	220	U	220	7.5	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
1,3-Dichlorobenzene	220	U	220	4.2	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
1,4-Dichlorobenzene	220	U	220	7.0	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
Trichlorofluoromethane	220	U	220	14	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
Chlorodibromomethane	220	U	220	10	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1
Methylcyclohexane	440	U	440	10	ug/Kg	☼	03/02/15 10:30	03/04/15 20:40	1

Client Sample ID: S-150225-RA-19
Date Collected: 02/25/15 16:30
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47641-8
Matrix: Solid
Percent Solids: 89.7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*142*	*X*	*39 - 128*	*03/02/15 10:30*	*03/04/15 20:40*	*1*
4-Bromofluorobenzene (Surr)	*103*		*26 - 141*	*03/02/15 10:30*	*03/04/15 20:40*	*1*
Toluene-d8 (Surr)	*108*		*33 - 134*	*03/02/15 10:30*	*03/04/15 20:40*	*1*
Dibromofluoromethane (Surr)	*115*		*30 - 122*	*03/02/15 10:30*	*03/04/15 20:40*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	41		21	0.43	mg/Kg	☼	03/02/15 12:40	03/03/15 19:59	1
Cadmium	0.11	J	0.21	0.022	mg/Kg	☼	03/02/15 12:40	03/03/15 19:59	1
Chromium	11		0.53	0.079	mg/Kg	☼	03/02/15 12:40	03/03/15 19:59	1
Silver	0.53	U	0.53	0.066	mg/Kg	☼	03/02/15 12:40	03/03/15 19:59	1
Arsenic	1.9		1.1	0.43	mg/Kg	☼	03/02/15 12:40	03/03/15 19:59	1
Lead	2.7		0.32	0.21	mg/Kg	☼	03/02/15 12:40	03/03/15 19:59	1
Selenium	0.38	J	0.53	0.36	mg/Kg	☼	03/02/15 12:40	03/03/15 19:59	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031	J	0.11	0.015	mg/Kg	☼	03/02/15 15:10	03/03/15 12:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	90		0.10	0.10	%			03/02/15 15:09	1
Percent Moisture	10		0.10	0.10	%			03/02/15 15:09	1

Client Sample ID: S-150225-RA-20
Date Collected: 02/25/15 17:00
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47641-9
Matrix: Solid
Percent Solids: 90.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**700**	**J**	1300	230	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
Benzene	340	U	340	16	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
Dichlorobromomethane	340	U	340	13	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
Bromoform	340	U	340	25	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
Bromomethane	340	U	340	39	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
2-Butanone (MEK)	1300	U	1300	58	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
Carbon disulfide	340	U	340	16	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
Carbon tetrachloride	340	U	340	8.6	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
Chlorobenzene	340	U	340	8.6	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
Chloroethane	340	U	340	82	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
Chloroform	340	U	340	12	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
Chloromethane	340	U	340	19	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
1,1-Dichloroethane	340	U	340	23	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
1,2-Dichloroethane	340	U	340	13	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
1,1-Dichloroethene	340	U	340	24	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
1,2-Dichloropropane	340	U	340	11	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
cis-1,3-Dichloropropene	340	U	340	11	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
trans-1,3-Dichloropropene	340	U	340	27	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
Ethylbenzene	340	U	340	7.2	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
2-Hexanone	1300	U	1300	27	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
Methylene Chloride	**100**	**J**	340	100	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
4-Methyl-2-pentanone (MIBK)	1300	U	1300	64	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
Styrene	**13**	**J**	340	7.5	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
1,1,2,2-Tetrachloroethane	340	U	340	12	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
Tetrachloroethene	**91**	**J**	340	16	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
Toluene	340	U	340	23	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
Trichloroethene	340	U	340	13	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
Vinyl chloride	340	U	340	24	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
Xylenes, Total	670	U	670	8.3	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
1,1,1-Trichloroethane	340	U	340	28	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
1,1,2-Trichloroethane	340	U	340	16	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
Cyclohexane	670	U	670	54	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
1,2-Dibromo-3-Chloropropane	670	U	670	67	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
Ethylene Dibromide	340	U	340	13	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
Dichlorodifluoromethane	340	U	340	21	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
cis-1,2-Dichloroethene	340	U	340	9.3	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
trans-1,2-Dichloroethene	340	U	340	12	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
Isopropylbenzene	340	U	340	8.7	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
Methyl acetate	**660**	**J**	670	34	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
Methyl tert-butyl ether	340	U	340	9.5	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	340	U	340	52	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
1,2,4-Trichlorobenzene	340	U	340	9.8	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
1,2-Dichlorobenzene	340	U	340	12	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
1,3-Dichlorobenzene	340	U	340	6.4	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
1,4-Dichlorobenzene	340	U	340	11	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
Trichlorofluoromethane	340	U	340	21	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
Chlorodibromomethane	340	U	340	16	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1
Methylcyclohexane	670	U	670	16	ug/Kg	☼	03/02/15 10:30	03/04/15 21:01	1

Client Sample ID: S-150225-RA-20
Date Collected: 02/25/15 17:00
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47641-9
Matrix: Solid
Percent Solids: 90.9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*145*	*X*	*39 - 128*	*03/02/15 10:30*	*03/04/15 21:01*	*1*
4-Bromofluorobenzene (Surr)	*110*		*26 - 141*	*03/02/15 10:30*	*03/04/15 21:01*	*1*
Toluene-d8 (Surr)	*115*		*33 - 134*	*03/02/15 10:30*	*03/04/15 21:01*	*1*
Dibromofluoromethane (Surr)	*115*		*30 - 122*	*03/02/15 10:30*	*03/04/15 21:01*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**41**		19	0.39	mg/Kg	☼	03/02/15 12:40	03/03/15 20:10	1
Cadmium	**0.13**	**J**	0.19	0.020	mg/Kg	☼	03/02/15 12:40	03/03/15 20:10	1
Chromium	**15**		0.48	0.072	mg/Kg	☼	03/02/15 12:40	03/03/15 20:10	1
Silver	0.48	U	0.48	0.060	mg/Kg	☼	03/02/15 12:40	03/03/15 20:10	1
Arsenic	**2.3**		0.96	0.39	mg/Kg	☼	03/02/15 12:40	03/03/15 20:10	1
Lead	**27**		0.29	0.19	mg/Kg	☼	03/02/15 12:40	03/03/15 20:10	1
Selenium	0.48	U	0.48	0.33	mg/Kg	☼	03/02/15 12:40	03/03/15 20:10	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.029**	**J**	0.11	0.015	mg/Kg	☼	03/02/15 15:10	03/03/15 12:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**91**		0.10	0.10	%			03/02/15 15:09	1
Percent Moisture	**9.1**		0.10	0.10	%			03/02/15 15:09	1

Client Sample ID: S-150225-RA-21
Date Collected: 02/25/15 17:00
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47641-10
Matrix: Solid
Percent Solids: 93.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**330**	**J**	1000	180	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
Benzene	260	U	260	12	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
Dichlorobromomethane	260	U	260	10	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
Bromoform	260	U	260	20	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
Bromomethane	260	U	260	30	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
2-Butanone (MEK)	1000	U	1000	44	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
Carbon disulfide	260	U	260	12	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
Carbon tetrachloride	260	U	260	6.6	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
Chlorobenzene	260	U	260	6.6	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
Chloroethane	260	U	260	63	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
Chloroform	260	U	260	9.1	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
Chloromethane	260	U	260	14	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
1,1-Dichloroethane	260	U	260	18	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
1,2-Dichloroethane	260	U	260	10	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
1,1-Dichloroethene	260	U	260	19	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
1,2-Dichloropropane	260	U	260	8.5	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
cis-1,3-Dichloropropene	260	U	260	8.2	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
trans-1,3-Dichloropropene	260	U	260	21	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
Ethylbenzene	260	U	260	5.6	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
2-Hexanone	1000	U	1000	21	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
Methylene Chloride	260	U	260	80	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
4-Methyl-2-pentanone (MIBK)	1000	U	1000	50	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
Styrene	260	U	260	5.8	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
1,1,2,2-Tetrachloroethane	260	U	260	9.2	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
Tetrachloroethene	**35**	**J**	260	12	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
Toluene	260	U	260	18	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
Trichloroethene	**26**	**J**	260	10	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
Vinyl chloride	260	U	260	19	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
Xylenes, Total	520	U	520	6.4	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
1,1,1-Trichloroethane	260	U	260	22	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
1,1,2-Trichloroethane	260	U	260	12	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
Cyclohexane	520	U	520	41	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
1,2-Dibromo-3-Chloropropane	520	U	520	52	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
Ethylene Dibromide	260	U	260	10	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
Dichlorodifluoromethane	260	U	260	17	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
cis-1,2-Dichloroethene	260	U	260	7.1	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
trans-1,2-Dichloroethene	260	U	260	9.5	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
Isopropylbenzene	260	U	260	6.7	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
Methyl acetate	520	U	520	26	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
Methyl tert-butyl ether	260	U	260	7.3	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	260	U	260	40	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
1,2,4-Trichlorobenzene	260	U	260	7.5	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
1,2-Dichlorobenzene	260	U	260	8.9	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
1,3-Dichlorobenzene	260	U	260	5.0	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
1,4-Dichlorobenzene	260	U	260	8.3	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
Trichlorofluoromethane	260	U	260	17	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
Chlorodibromomethane	260	U	260	12	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1
Methylcyclohexane	520	U	520	12	ug/Kg	☼	03/02/15 11:08	03/04/15 21:23	1

Client Sample ID: S-150225-RA-21
Date Collected: 02/25/15 17:00
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47641-10
Matrix: Solid
Percent Solids: 93.3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*135*	*X*	*39 - 128*	*03/02/15 11:08*	*03/04/15 21:23*	*1*
4-Bromofluorobenzene (Surr)	*105*		*26 - 141*	*03/02/15 11:08*	*03/04/15 21:23*	*1*
Toluene-d8 (Surr)	*108*		*33 - 134*	*03/02/15 11:08*	*03/04/15 21:23*	*1*
Dibromofluoromethane (Surr)	*114*		*30 - 122*	*03/02/15 11:08*	*03/04/15 21:23*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**39**		19	0.40	mg/Kg	☼	03/02/15 12:40	03/03/15 20:14	1
Cadmium	**0.059**	J	0.19	0.020	mg/Kg	☼	03/02/15 12:40	03/03/15 20:14	1
Chromium	**10**		0.49	0.073	mg/Kg	☼	03/02/15 12:40	03/03/15 20:14	1
Silver	0.49	U	0.49	0.061	mg/Kg	☼	03/02/15 12:40	03/03/15 20:14	1
Arsenic	**1.9**		0.97	0.40	mg/Kg	☼	03/02/15 12:40	03/03/15 20:14	1
Lead	**2.4**		0.29	0.19	mg/Kg	☼	03/02/15 12:40	03/03/15 20:14	1
Selenium	0.49	U	0.49	0.33	mg/Kg	☼	03/02/15 12:40	03/03/15 20:14	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.10	U	0.10	0.015	mg/Kg	☼	03/02/15 15:10	03/03/15 12:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**93**		0.10	0.10	%			03/02/15 15:09	1
Percent Moisture	**6.7**		0.10	0.10	%			03/02/15 15:09	1

Client Sample ID: S-150225-RA-22
Date Collected: 02/25/15 17:30
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47641-11
Matrix: Solid
Percent Solids: 92.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1300		1100	190	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
Benzene	280	U	280	14	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
Dichlorobromomethane	280	U	280	11	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
Bromoform	280	U	280	22	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
Bromomethane	280	U	280	33	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
2-Butanone (MEK)	1100	U	1100	49	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
Carbon disulfide	280	U	280	14	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
Carbon tetrachloride	280	U	280	7.3	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
Chlorobenzene	280	U	280	7.3	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
Chloroethane	280	U	280	69	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
Chloroform	280	U	280	10	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
Chloromethane	280	U	280	16	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
1,1-Dichloroethane	280	U	280	19	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
1,2-Dichloroethane	280	U	280	11	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
1,1-Dichloroethene	280	U	280	20	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
1,2-Dichloropropane	280	U	280	9.3	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
cis-1,3-Dichloropropene	280	U	280	9.0	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
trans-1,3-Dichloropropene	280	U	280	23	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
Ethylbenzene	280	U	280	6.1	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
2-Hexanone	1100	U	1100	23	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
Methylene Chloride	280	U	280	88	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
4-Methyl-2-pentanone (MIBK)	1100	U	1100	55	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
Styrene	11	J	280	6.4	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
1,1,2,2-Tetrachloroethane	280	U	280	10	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
Tetrachloroethene	280	U	280	14	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
Toluene	280	U	280	19	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
Trichloroethene	280	U	280	11	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
Vinyl chloride	280	U	280	20	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
Xylenes, Total	570	U	570	7.1	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
1,1,1-Trichloroethane	280	U	280	24	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
1,1,2-Trichloroethane	280	U	280	14	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
Cyclohexane	570	U	570	45	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
1,2-Dibromo-3-Chloropropane	570	U	570	57	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
Ethylene Dibromide	280	U	280	11	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
Dichlorodifluoromethane	280	U	280	18	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
cis-1,2-Dichloroethene	280	U	280	7.8	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
trans-1,2-Dichloroethene	280	U	280	10	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
Isopropylbenzene	280	U	280	7.4	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
Methyl acetate	570	U	570	28	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
Methyl tert-butyl ether	280	U	280	8.1	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	280	U	280	44	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
1,2,4-Trichlorobenzene	280	U	280	8.3	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
1,2-Dichlorobenzene	280	U	280	9.8	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
1,3-Dichlorobenzene	280	U	280	5.5	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
1,4-Dichlorobenzene	280	U	280	9.1	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
Trichlorofluoromethane	280	U	280	18	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
Chlorodibromomethane	280	U	280	14	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1
Methylcyclohexane	570	U	570	14	ug/Kg	☼	03/02/15 11:08	03/04/15 21:44	1

Client Sample ID: S-150225-RA-22
Date Collected: 02/25/15 17:30
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47641-11
Matrix: Solid
Percent Solids: 92.2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*145*	*X*	*39 - 128*	*03/02/15 11:08*	*03/04/15 21:44*	*1*
4-Bromofluorobenzene (Surr)	*114*		*26 - 141*	*03/02/15 11:08*	*03/04/15 21:44*	*1*
Toluene-d8 (Surr)	*116*		*33 - 134*	*03/02/15 11:08*	*03/04/15 21:44*	*1*
Dibromofluoromethane (Surr)	*112*		*30 - 122*	*03/02/15 11:08*	*03/04/15 21:44*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**55**		20	0.41	mg/Kg	☼	03/02/15 12:40	03/03/15 20:18	1
Cadmium	**0.12**	J	0.20	0.021	mg/Kg	☼	03/02/15 12:40	03/03/15 20:18	1
Chromium	**7.3**		0.50	0.075	mg/Kg	☼	03/02/15 12:40	03/03/15 20:18	1
Silver	0.50	U L	0.50	0.063	mg/Kg	☼	03/02/15 12:40	03/03/15 20:18	1
Arsenic	**4.2**		1.0	0.41	mg/Kg	☼	03/02/15 12:40	03/03/15 20:18	1
Lead	**15**		0.30	0.20	mg/Kg	☼	03/02/15 12:40	03/03/15 20:18	1
Selenium	0.50	U	0.50	0.34	mg/Kg	☼	03/02/15 12:40	03/03/15 20:18	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.019**	J	0.10	0.014	mg/Kg	☼	03/02/15 15:10	03/03/15 12:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**92**		0.10	0.10	%			03/02/15 15:09	1
Percent Moisture	**7.8**		0.10	0.10	%			03/02/15 15:09	1

Client Sample ID: S-150225-RA-23
Date Collected: 02/25/15 17:30
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47641-12
Matrix: Solid
Percent Solids: 96.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**340**	**J**	1000	170	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
Benzene	250	U	250	12	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
Dichlorobromomethane	250	U	250	9.9	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
Bromoform	250	U	250	19	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
Bromomethane	250	U	250	29	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
2-Butanone (MEK)	1000	U	1000	43	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
Carbon disulfide	250	U	250	12	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
Carbon tetrachloride	250	U	250	6.4	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
Chlorobenzene	250	U	250	6.4	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
Chloroethane	250	U	250	61	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
Chloroform	250	U	250	8.8	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
Chloromethane	250	U	250	14	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
1,1-Dichloroethane	250	U	250	17	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
1,2-Dichloroethane	250	U	250	10	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
1,1-Dichloroethene	250	U	250	18	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
1,2-Dichloropropane	250	U	250	8.2	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
cis-1,3-Dichloropropene	250	U	250	7.9	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
trans-1,3-Dichloropropene	250	U	250	20	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
Ethylbenzene	250	U	250	5.4	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
2-Hexanone	1000	U	1000	20	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
Methylene Chloride	250	U	250	77	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
4-Methyl-2-pentanone (MIBK)	1000	U	1000	48	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
Styrene	**13**	**J**	250	5.6	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
1,1,2,2-Tetrachloroethane	250	U	250	8.9	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
Tetrachloroethene	250	U	250	12	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
Toluene	250	U	250	17	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
Trichloroethene	250	U	250	9.7	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
Vinyl chloride	250	U	250	18	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
Xylenes, Total	500	U	500	6.2	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
1,1,1-Trichloroethane	250	U	250	21	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
1,1,2-Trichloroethane	250	U	250	12	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
Cyclohexane	500	U	500	40	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
1,2-Dibromo-3-Chloropropane	500	U	500	50	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
Ethylene Dibromide	250	U	250	10	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
Dichlorodifluoromethane	250	U	250	16	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
cis-1,2-Dichloroethene	250	U	250	6.9	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
trans-1,2-Dichloroethene	250	U	250	9.2	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
Isopropylbenzene	250	U	250	6.5	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
Methyl acetate	500	U	500	25	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
Methyl tert-butyl ether	250	U	250	7.1	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	250	U	250	39	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
1,2,4-Trichlorobenzene	250	U	250	7.3	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
1,2-Dichlorobenzene	250	U	250	8.6	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
1,3-Dichlorobenzene	250	U	250	4.8	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
1,4-Dichlorobenzene	250	U	250	8.0	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
Trichlorofluoromethane	250	U	250	16	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
Chlorodibromomethane	250	U	250	12	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1
Methylcyclohexane	500	U	500	12	ug/Kg	☼	03/02/15 11:08	03/04/15 22:05	1

Client Sample ID: S-150225-RA-23
Date Collected: 02/25/15 17:30
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47641-12
Matrix: Solid
Percent Solids: 96.9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*144*	*X*	*39 - 128*	*03/02/15 11:08*	*03/04/15 22:05*	*1*
4-Bromofluorobenzene (Surr)	*107*		*26 - 141*	*03/02/15 11:08*	*03/04/15 22:05*	*1*
Toluene-d8 (Surr)	*115*		*33 - 134*	*03/02/15 11:08*	*03/04/15 22:05*	*1*
Dibromofluoromethane (Surr)	*114*		*30 - 122*	*03/02/15 11:08*	*03/04/15 22:05*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**19**		18	0.37	mg/Kg	☼	03/02/15 12:40	03/03/15 20:23	1
Cadmium	**0.080**	**J**	0.18	0.019	mg/Kg	☼	03/02/15 12:40	03/03/15 20:23	1
Chromium	**9.7**		0.45	0.068	mg/Kg	☼	03/02/15 12:40	03/03/15 20:23	1
Silver	0.45	U	0.45	0.057	mg/Kg	☼	03/02/15 12:40	03/03/15 20:23	1
Arsenic	**1.3**		0.91	0.37	mg/Kg	☼	03/02/15 12:40	03/03/15 20:23	1
Lead	**1.5**		0.27	0.18	mg/Kg	☼	03/02/15 12:40	03/03/15 20:23	1
Selenium	0.45	U	0.45	0.31	mg/Kg	☼	03/02/15 12:40	03/03/15 20:23	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.10	U	0.10	0.014	mg/Kg	☼	03/02/15 15:10	03/03/15 12:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**97**		0.10	0.10	%			03/02/15 15:09	1
Percent Moisture	**3.1**		0.10	0.10	%			03/02/15 15:09	1

Client Sample ID: S-150225-RA-24
Date Collected: 02/25/15 18:30
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47641-13
Matrix: Solid
Percent Solids: 98.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1000	U	1000	170	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
Benzene	250	U	250	12	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
Dichlorobromomethane	250	U	250	9.9	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
Bromoform	250	U	250	19	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
Bromomethane	250	U	250	29	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
2-Butanone (MEK)	1000	U	1000	43	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
Carbon disulfide	250	U	250	12	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
Carbon tetrachloride	250	U	250	6.4	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
Chlorobenzene	250	U	250	6.4	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
Chloroethane	250	U	250	61	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
Chloroform	250	U	250	8.8	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
Chloromethane	250	U	250	14	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
1,1-Dichloroethane	250	U	250	17	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
1,2-Dichloroethane	250	U	250	10	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
1,1-Dichloroethene	250	U	250	18	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
1,2-Dichloropropane	250	U	250	8.2	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
cis-1,3-Dichloropropene	250	U	250	7.9	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
trans-1,3-Dichloropropene	250	U	250	20	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
Ethylbenzene	250	U	250	5.4	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
2-Hexanone	1000	U	1000	20	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
Methylene Chloride	250	U	250	77	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
4-Methyl-2-pentanone (MIBK)	1000	U	1000	48	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
Styrene	250	U	250	5.6	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
1,1,2,2-Tetrachloroethane	250	U	250	8.9	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
Tetrachloroethene	**2400**		250	12	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
Toluene	250	U	250	17	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
Trichloroethene	**76**	**J**	250	9.7	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
Vinyl chloride	250	U	250	18	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
Xylenes, Total	500	U	500	6.2	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
1,1,1-Trichloroethane	250	U	250	21	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
1,1,2-Trichloroethane	250	U	250	12	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
Cyclohexane	500	U	500	40	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
1,2-Dibromo-3-Chloropropane	500	U	500	50	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
Ethylene Dibromide	250	U	250	10	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
Dichlorodifluoromethane	250	U	250	16	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
cis-1,2-Dichloroethene	250	U	250	6.9	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
trans-1,2-Dichloroethene	250	U	250	9.2	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
Isopropylbenzene	250	U	250	6.5	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
Methyl acetate	500	U	500	25	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
Methyl tert-butyl ether	250	U	250	7.1	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	250	U	250	39	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
1,2,4-Trichlorobenzene	250	U	250	7.3	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
1,2-Dichlorobenzene	250	U	250	8.6	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
1,3-Dichlorobenzene	250	U	250	4.8	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
1,4-Dichlorobenzene	250	U	250	8.0	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
Trichlorofluoromethane	250	U	250	16	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
Chlorodibromomethane	250	U	250	12	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1
Methylcyclohexane	500	U	500	12	ug/Kg	☼	03/02/15 11:08	03/04/15 22:27	1

Client Sample ID: S-150225-RA-24
Date Collected: 02/25/15 18:30
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47641-13
Matrix: Solid
Percent Solids: 98.2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*138*	*X*	*39 - 128*	*03/02/15 11:08*	*03/04/15 22:27*	*1*
4-Bromofluorobenzene (Surr)	*104*		*26 - 141*	*03/02/15 11:08*	*03/04/15 22:27*	*1*
Toluene-d8 (Surr)	*113*		*33 - 134*	*03/02/15 11:08*	*03/04/15 22:27*	*1*
Dibromofluoromethane (Surr)	*112*		*30 - 122*	*03/02/15 11:08*	*03/04/15 22:27*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**9.4**	**J**	17	0.34	mg/Kg	☼	03/02/15 12:40	03/03/15 19:39	1
Cadmium	**0.055**	**J**	0.17	0.017	mg/Kg	☼	03/02/15 12:40	03/03/15 19:39	1
Chromium	**4.6**		0.41	0.062	mg/Kg	☼	03/02/15 12:40	03/03/15 19:39	1
Silver	0.41	U	0.41	0.052	mg/Kg	☼	03/02/15 12:40	03/03/15 19:39	1
Arsenic	**0.74**	**J**	0.83	0.34	mg/Kg	☼	03/02/15 12:40	03/03/15 19:39	1
Lead	**0.87**		0.25	0.17	mg/Kg	☼	03/02/15 12:40	03/03/15 19:39	1
Selenium	0.41	U	0.41	0.28	mg/Kg	☼	03/02/15 12:40	03/03/15 19:39	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11	U	0.11	0.015	mg/Kg	☼	03/02/15 15:10	03/03/15 11:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**98**		0.10	0.10	%			03/02/15 15:09	1
Percent Moisture	**1.8**		0.10	0.10	%			03/02/15 15:09	1

Client Sample ID: S-150225-RA-25
Date Collected: 02/25/15 18:30
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47641-14
Matrix: Solid
Percent Solids: 95.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**320**	**J**	770	130	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
Benzene	190	U	190	9.2	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
Dichlorobromomethane	190	U	190	7.6	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
Bromoform	190	U	190	15	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
Bromomethane	190	U	190	22	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
2-Butanone (MEK)	770	U	770	33	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
Carbon disulfide	190	U	190	9.2	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
Carbon tetrachloride	190	U	190	4.9	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
Chlorobenzene	190	U	190	4.9	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
Chloroethane	190	U	190	47	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
Chloroform	190	U	190	6.8	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
Chloromethane	190	U	190	11	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
1,1-Dichloroethane	190	U	190	13	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
1,2-Dichloroethane	190	U	190	7.7	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
1,1-Dichloroethene	190	U	190	14	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
1,2-Dichloropropane	190	U	190	6.3	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
cis-1,3-Dichloropropene	190	U	190	6.1	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
trans-1,3-Dichloropropene	190	U	190	15	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
Ethylbenzene	190	U	190	4.2	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
2-Hexanone	770	U	770	15	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
Methylene Chloride	**65**	**J**	190	59	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
4-Methyl-2-pentanone (MIBK)	770	U	770	37	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
Styrene	**12**	**J**	190	4.3	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
1,1,2,2-Tetrachloroethane	190	U	190	6.8	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
Tetrachloroethene	**2100**		190	9.2	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
Toluene	190	U	190	13	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
Trichloroethene	**270**		190	7.5	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
Vinyl chloride	190	U	190	14	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
Xylenes, Total	380	U	380	4.8	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
1,1,1-Trichloroethane	190	U	190	16	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
1,1,2-Trichloroethane	190	U	190	9.2	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
Cyclohexane	380	U	380	31	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
1,2-Dibromo-3-Chloropropane	380	U	380	38	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
Ethylene Dibromide	190	U	190	7.7	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
Dichlorodifluoromethane	190	U	190	12	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
cis-1,2-Dichloroethene	**190**		190	5.3	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
trans-1,2-Dichloroethene	**9.2**	**J**	190	7.1	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
Isopropylbenzene	190	U	190	5.0	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
Methyl acetate	380	U	380	19	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
Methyl tert-butyl ether	190	U	190	5.5	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	190	U	190	30	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
1,2,4-Trichlorobenzene	**13**	**J**	190	5.6	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
1,2-Dichlorobenzene	190	U	190	6.6	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
1,3-Dichlorobenzene	190	U	190	3.7	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
1,4-Dichlorobenzene	190	U	190	6.2	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
Trichlorofluoromethane	190	U	190	12	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
Chlorodibromomethane	190	U	190	9.2	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1
Methylcyclohexane	380	U	380	9.2	ug/Kg	☼	03/02/15 11:08	03/04/15 23:32	1

Client Sample ID: S-150225-RA-25
Date Collected: 02/25/15 18:30
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47641-14
Matrix: Solid
Percent Solids: 95.9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*126*		*39 - 128*	*03/02/15 11:08*	*03/04/15 23:32*	*1*
4-Bromofluorobenzene (Surr)	*96*		*26 - 141*	*03/02/15 11:08*	*03/04/15 23:32*	*1*
Toluene-d8 (Surr)	*104*		*33 - 134*	*03/02/15 11:08*	*03/04/15 23:32*	*1*
Dibromofluoromethane (Surr)	*104*		*30 - 122*	*03/02/15 11:08*	*03/04/15 23:32*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**31**		18	0.37	mg/Kg	☼	03/02/15 12:40	03/03/15 20:27	1
Cadmium	**0.14**	**J**	0.18	0.019	mg/Kg	☼	03/02/15 12:40	03/03/15 20:27	1
Chromium	**15**		0.45	0.068	mg/Kg	☼	03/02/15 12:40	03/03/15 20:27	1
Silver	0.45	U	0.45	0.057	mg/Kg	☼	03/02/15 12:40	03/03/15 20:27	1
Arsenic	**1.3**		0.91	0.37	mg/Kg	☼	03/02/15 12:40	03/03/15 20:27	1
Lead	**2.1**		0.27	0.18	mg/Kg	☼	03/02/15 12:40	03/03/15 20:27	1
Selenium	0.45	U	0.45	0.31	mg/Kg	☼	03/02/15 12:40	03/03/15 20:27	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11	U	0.11	0.015	mg/Kg	☼	03/02/15 15:10	03/03/15 12:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**96**		0.10	0.10	%			03/02/15 15:09	1
Percent Moisture	**4.1**		0.10	0.10	%			03/02/15 15:09	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86119 City of Wausau Chemical Brownfield

TestAmerica Job ID: 240-47641-1

Client Sample ID: W-150225-RA-01
Date Collected: 02/25/15 17:00
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47641-15
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	3.4	ug/L			03/03/15 12:18	1
Benzene	1.0	U	1.0	0.24	ug/L			03/03/15 12:18	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			03/03/15 12:18	1
Bromoform	1.0	U	1.0	0.56	ug/L			03/03/15 12:18	1
Bromomethane	1.0	U	1.0	0.63	ug/L			03/03/15 12:18	1
2-Butanone (MEK)	10	U	10	4.1	ug/L			03/03/15 12:18	1
Carbon disulfide	1.0	U	1.0	0.28	ug/L			03/03/15 12:18	1
Carbon tetrachloride	1.0	U	1.0	0.17	ug/L			03/03/15 12:18	1
Chlorobenzene	1.0	U	1.0	0.19	ug/L			03/03/15 12:18	1
Chloroethane	1.0	U	1.0	0.33	ug/L			03/03/15 12:18	1
Chloroform	1.0	U	1.0	0.21	ug/L			03/03/15 12:18	1
Chloromethane	1.0	U	1.0	0.44	ug/L			03/03/15 12:18	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/03/15 12:18	1
1,2-Dichloroethane	1.0	U	1.0	0.20	ug/L			03/03/15 12:18	1
1,1-Dichloroethene	1.0	U	1.0	0.45	ug/L			03/03/15 12:18	1
1,2-Dichloropropane	1.0	U	1.0	0.22	ug/L			03/03/15 12:18	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.46	ug/L			03/03/15 12:18	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.56	ug/L			03/03/15 12:18	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			03/03/15 12:18	1
2-Hexanone	10	U	10	3.9	ug/L			03/03/15 12:18	1
Methylene Chloride	1.0	U	1.0	0.28	ug/L			03/03/15 12:18	1
4-Methyl-2-pentanone (MIBK)	10	U	10	3.6	ug/L			03/03/15 12:18	1
Styrene	1.0	U	1.0	0.45	ug/L			03/03/15 12:18	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			03/03/15 12:18	1
Tetrachloroethene	1.0	U	1.0	0.20	ug/L			03/03/15 12:18	1
Toluene	1.0	U	1.0	0.22	ug/L			03/03/15 12:18	1
Trichloroethene	1.0	U	1.0	0.15	ug/L			03/03/15 12:18	1
Vinyl chloride	1.0	U	1.0	0.29	ug/L			03/03/15 12:18	1
Xylenes, Total	2.0	U	2.0	0.43	ug/L			03/03/15 12:18	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			03/03/15 12:18	1
1,1,2-Trichloroethane	1.0	U	1.0	0.17	ug/L			03/03/15 12:18	1
Cyclohexane	1.0	U	1.0	0.33	ug/L			03/03/15 12:18	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.82	ug/L			03/03/15 12:18	1
Ethylene Dibromide	1.0	U	1.0	0.19	ug/L			03/03/15 12:18	1
Dichlorodifluoromethane	1.0	U	1.0	0.50	ug/L			03/03/15 12:18	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.20	ug/L			03/03/15 12:18	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/03/15 12:18	1
Isopropylbenzene	1.0	U	1.0	0.35	ug/L			03/03/15 12:18	1
Methyl acetate	10	U	10	2.3	ug/L			03/03/15 12:18	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			03/03/15 12:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.37	ug/L			03/03/15 12:18	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.32	ug/L			03/03/15 12:18	1
1,2-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			03/03/15 12:18	1
1,3-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			03/03/15 12:18	1
1,4-Dichlorobenzene	1.0	U	1.0	0.16	ug/L			03/03/15 12:18	1
Trichlorofluoromethane	1.0	U	1.0	0.49	ug/L			03/03/15 12:18	1
Chlorodibromomethane	1.0	U	1.0	0.43	ug/L			03/03/15 12:18	1
Methylcyclohexane	1.0	U	1.0	0.23	ug/L			03/03/15 12:18	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86119 City of Wausau Chemical Brownfield

TestAmerica Job ID: 240-47641-1

Client Sample ID: W-150225-RA-01
Date Collected: 02/25/15 17:00
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47641-15
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*63 - 129*		*03/03/15 12:18*	*1*
4-Bromofluorobenzene (Surr)	*105*		*66 - 120*		*03/03/15 12:18*	*1*
Toluene-d8 (Surr)	*97*		*74 - 120*		*03/03/15 12:18*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 121*		*03/03/15 12:18*	*1*

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	200	U	200	1.0	ug/L		03/02/15 10:15	03/03/15 10:38	1
Cadmium	2.0	U	2.0	0.14	ug/L		03/02/15 10:15	03/03/15 10:38	1
Chromium	5.0	U	5.0	0.55	ug/L		03/02/15 10:15	03/03/15 10:38	1
Silver	5.0	U	5.0	0.92	ug/L		03/02/15 10:15	03/03/15 10:38	1
Arsenic	10	U	10	2.9	ug/L		03/02/15 10:15	03/03/15 10:38	1
Lead	3.0	U	3.0	1.9	ug/L		03/02/15 10:15	03/03/15 10:38	1
Selenium	5.0	U	5.0	4.0	ug/L		03/02/15 10:15	03/03/15 10:38	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.090	ug/L		03/02/15 14:00	03/03/15 10:27	1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	12DCE (39-128)	BFB (26-141)	TOL (33-134)	DBFM (30-122)
240-47641-1	S-150225-RA-12	124	101	110	110
240-47641-2	S-150225-RA-13	143 X	109	124	124 X
240-47641-3	S-150225-RA-14	127	97	104	106
240-47641-4	S-150225-RA-15	134 X	101	108	107
240-47641-5	S-150225-RA-16	134 X	101	110	110
240-47641-6	S-150225-RA-17	128	103	118	94
240-47641-7	S-150225-RA-18	136 X	105	111	85
240-47641-8	S-150225-RA-19	142 X	103	108	115
240-47641-9	S-150225-RA-20	145 X	110	115	115
240-47641-10	S-150225-RA-21	135 X	105	108	114
240-47641-11	S-150225-RA-22	145 X	114	116	112
240-47641-12	S-150225-RA-23	144 X	107	115	114
240-47641-13	S-150225-RA-24	138 X	104	113	112
240-47641-13 MS	S-150225-RA-24	150 X	110	116	125 X
240-47641-13 MSD	S-150225-RA-24	147 X	106	107	115
240-47641-14	S-150225-RA-25	126	96	104	104
LCS 240-170236/2-A	Lab Control Sample	109	102	97	103
LCS 240-170250/2-A	Lab Control Sample	101	95	93	92
MB 240-170236/1-A	Method Blank	98	89	88	84
MB 240-170250/1-A	Method Blank	99	89	91	85

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	12DCE (63-129)	BFB (66-120)	TOL (74-120)	DBFM (75-121)
240-47641-15	W-150225-RA-01	104	105	97	106
LCS 240-170386/4	Lab Control Sample	106	109	101	112
MB 240-170386/5	Method Blank	101	108	98	102

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-170236/1-A
Matrix: Solid
Analysis Batch: 170526

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 170236

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1000	U	1000	170	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Benzene	250	U	250	12	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Dichlorobromomethane	250	U	250	9.9	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Bromoform	250	U	250	19	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Bromomethane	250	U	250	29	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
2-Butanone (MEK)	44.3	J	1000	43	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Carbon disulfide	250	U	250	12	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Carbon tetrachloride	250	U	250	6.4	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Chlorobenzene	250	U	250	6.4	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Chloroethane	250	U	250	61	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Chloroform	250	U	250	8.8	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Chloromethane	250	U	250	14	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
1,1-Dichloroethane	250	U	250	17	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
1,2-Dichloroethane	250	U	250	10	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
1,1-Dichloroethene	250	U	250	18	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
1,2-Dichloropropane	250	U	250	8.2	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
cis-1,3-Dichloropropene	250	U	250	7.9	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
trans-1,3-Dichloropropene	250	U	250	20	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Ethylbenzene	250	U	250	5.4	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
2-Hexanone	26.4	J	1000	20	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Methylene Chloride	250	U	250	77	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
4-Methyl-2-pentanone (MIBK)	1000	U	1000	48	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Styrene	250	U	250	5.6	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
1,1,2,2-Tetrachloroethane	250	U	250	8.9	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Tetrachloroethene	250	U	250	12	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Toluene	250	U	250	17	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Trichloroethene	250	U	250	9.7	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Vinyl chloride	250	U	250	18	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Xylenes, Total	500	U	500	6.2	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
1,1,1-Trichloroethane	250	U	250	21	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
1,1,2-Trichloroethane	250	U	250	12	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Cyclohexane	500	U	500	40	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
1,2-Dibromo-3-Chloropropane	500	U	500	50	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Ethylene Dibromide	250	U	250	10	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Dichlorodifluoromethane	250	U	250	16	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
cis-1,2-Dichloroethene	250	U	250	6.9	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
trans-1,2-Dichloroethene	250	U	250	9.2	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Isopropylbenzene	250	U	250	6.5	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Methyl acetate	500	U	500	25	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Methyl tert-butyl ether	250	U	250	7.1	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	250	U	250	39	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
1,2,4-Trichlorobenzene	18.6	J	250	7.3	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
1,2-Dichlorobenzene	250	U	250	8.6	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
1,3-Dichlorobenzene	250	U	250	4.8	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
1,4-Dichlorobenzene	250	U	250	8.0	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Trichlorofluoromethane	250	U	250	16	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Chlorodibromomethane	250	U	250	12	ug/Kg		03/02/15 10:30	03/04/15 10:54	1
Methylcyclohexane	500	U	500	12	ug/Kg		03/02/15 10:30	03/04/15 10:54	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-170236/1-A
Matrix: Solid
Analysis Batch: 170526

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 170236

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		39 - 128	03/02/15 10:30	03/04/15 10:54	1
4-Bromofluorobenzene (Surr)	89		26 - 141	03/02/15 10:30	03/04/15 10:54	1
Toluene-d8 (Surr)	88		33 - 134	03/02/15 10:30	03/04/15 10:54	1
Dibromofluoromethane (Surr)	84		30 - 122	03/02/15 10:30	03/04/15 10:54	1

Lab Sample ID: LCS 240-170236/2-A
Matrix: Solid
Analysis Batch: 170526

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 170236

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	2000	1320		ug/Kg		66	16 - 156
Benzene	1000	929		ug/Kg		93	70 - 120
Dichlorobromomethane	1000	910		ug/Kg		91	28 - 123
Bromoform	1000	718		ug/Kg		72	10 - 120
Bromomethane	1000	416		ug/Kg		42	10 - 120
2-Butanone (MEK)	2000	1760		ug/Kg		88	10 - 199
Carbon disulfide	1000	605		ug/Kg		60	10 - 132
Carbon tetrachloride	1000	784		ug/Kg		78	29 - 120
Chlorobenzene	1000	893		ug/Kg		89	71 - 120
Chloroethane	1000	484		ug/Kg		48	10 - 120
Chloroform	1000	931		ug/Kg		93	63 - 120
Chloromethane	1000	528		ug/Kg		53	25 - 120
1,1-Dichloroethane	1000	941		ug/Kg		94	63 - 120
1,2-Dichloroethane	1000	957		ug/Kg		96	68 - 120
1,1-Dichloroethene	1000	766		ug/Kg		77	44 - 143
1,2-Dichloropropane	1000	972		ug/Kg		97	73 - 120
cis-1,3-Dichloropropene	1000	1010		ug/Kg		101	25 - 120
trans-1,3-Dichloropropene	1000	976		ug/Kg		98	22 - 122
Ethylbenzene	1000	906		ug/Kg		91	66 - 120
2-Hexanone	2000	1740		ug/Kg		87	43 - 130
Methylene Chloride	1000	963		ug/Kg		96	27 - 172
4-Methyl-2-pentanone (MIBK)	2000	1940		ug/Kg		97	49 - 121
Styrene	1000	999		ug/Kg		100	60 - 120
1,1,2,2-Tetrachloroethane	1000	908		ug/Kg		91	54 - 121
Tetrachloroethene	1000	833		ug/Kg		83	58 - 131
Toluene	1000	917		ug/Kg		92	66 - 123
Trichloroethene	1000	934		ug/Kg		93	59 - 124
Vinyl chloride	1000	570		ug/Kg		57	33 - 120
Xylenes, Total	2000	1880		ug/Kg		94	68 - 120
1,1,1-Trichloroethane	1000	831		ug/Kg		83	38 - 122
1,1,2-Trichloroethane	1000	964		ug/Kg		96	74 - 120
Cyclohexane	1000	836		ug/Kg		84	40 - 120
1,2-Dibromo-3-Chloropropane	1000	792		ug/Kg		79	10 - 129
Ethylene Dibromide	1000	1020		ug/Kg		102	47 - 123
Dichlorodifluoromethane	1000	226	J	ug/Kg		23	10 - 120
cis-1,2-Dichloroethene	1000	984		ug/Kg		98	60 - 125
trans-1,2-Dichloroethene	1000	896		ug/Kg		90	58 - 121
Isopropylbenzene	1000	935		ug/Kg		93	61 - 123

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-170236/2-A
Matrix: Solid
Analysis Batch: 170526

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 170236

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl acetate	5000	4600		ug/Kg		92	44 - 173
Methyl tert-butyl ether	1000	974		ug/Kg		97	34 - 157
1,1,2-Trichloro-1,2,2-trifluoroethane	1000	820		ug/Kg		82	48 - 151
1,2,4-Trichlorobenzene	1000	858		ug/Kg		86	41 - 135
1,2-Dichlorobenzene	1000	922		ug/Kg		92	68 - 120
1,3-Dichlorobenzene	1000	873		ug/Kg		87	66 - 121
1,4-Dichlorobenzene	1000	833		ug/Kg		83	65 - 120
Trichlorofluoromethane	1000	622		ug/Kg		62	17 - 145
Methylcyclohexane	1000	815		ug/Kg		82	41 - 133
m-Xylene & p-Xylene	1000	910		ug/Kg		91	67 - 120
o-Xylene	1000	974		ug/Kg		97	68 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*39 - 128*
4-Bromofluorobenzene (Surr)	*102*		*26 - 141*
Toluene-d8 (Surr)	*97*		*33 - 134*
Dibromofluoromethane (Surr)	*103*		*30 - 122*

Lab Sample ID: MB 240-170250/1-A
Matrix: Solid
Analysis Batch: 170526

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 170250

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1000	U	1000	170	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
Benzene	250	U	250	12	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
Dichlorobromomethane	250	U	250	9.9	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
Bromoform	250	U	250	19	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
Bromomethane	250	U	250	29	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
2-Butanone (MEK)	1000	U	1000	43	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
Carbon disulfide	250	U	250	12	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
Carbon tetrachloride	250	U	250	6.4	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
Chlorobenzene	250	U	250	6.4	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
Chloroethane	250	U	250	61	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
Chloroform	250	U	250	8.8	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
Chloromethane	250	U	250	14	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
1,1-Dichloroethane	250	U	250	17	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
1,2-Dichloroethane	250	U	250	10	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
1,1-Dichloroethene	250	U	250	18	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
1,2-Dichloropropane	250	U	250	8.2	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
cis-1,3-Dichloropropene	250	U	250	7.9	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
trans-1,3-Dichloropropene	250	U	250	20	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
Ethylbenzene	250	U	250	5.4	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
2-Hexanone	1000	U	1000	20	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
Methylene Chloride	250	U	250	77	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
4-Methyl-2-pentanone (MIBK)	1000	U	1000	48	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
Styrene	250	U	250	5.6	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
1,1,2,2-Tetrachloroethane	250	U	250	8.9	ug/Kg		03/02/15 11:08	03/04/15 07:42	

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-170250/1-A
Matrix: Solid
Analysis Batch: 170526

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 170250

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	250	U	250	12	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
Toluene	250	U	250	17	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
Trichloroethene	250	U	250	9.7	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
Vinyl chloride	250	U	250	18	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
Xylenes, Total	500	U	500	6.2	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
1,1,1-Trichloroethane	250	U	250	21	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
1,1,2-Trichloroethane	250	U	250	12	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
Cyclohexane	500	U	500	40	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
1,2-Dibromo-3-Chloropropane	500	U	500	50	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
Ethylene Dibromide	250	U	250	10	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
Dichlorodifluoromethane	250	U	250	16	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
cis-1,2-Dichloroethene	250	U	250	6.9	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
trans-1,2-Dichloroethene	250	U	250	9.2	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
Isopropylbenzene	250	U	250	6.5	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
Methyl acetate	500	U	500	25	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
Methyl tert-butyl ether	250	U	250	7.1	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	250	U	250	39	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
1,2,4-Trichlorobenzene	250	U	250	7.3	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
1,2-Dichlorobenzene	250	U	250	8.6	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
1,3-Dichlorobenzene	250	U	250	4.8	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
1,4-Dichlorobenzene	250	U	250	8.0	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
Trichlorofluoromethane	250	U	250	16	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
Chlorodibromomethane	250	U	250	12	ug/Kg		03/02/15 11:08	03/04/15 07:42	1
Methylcyclohexane	500	U	500	12	ug/Kg		03/02/15 11:08	03/04/15 07:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*39 - 128*	*03/02/15 11:08*	*03/04/15 07:42*	*1*
4-Bromofluorobenzene (Surr)	*89*		*26 - 141*	*03/02/15 11:08*	*03/04/15 07:42*	*1*
Toluene-d8 (Surr)	*91*		*33 - 134*	*03/02/15 11:08*	*03/04/15 07:42*	*1*
Dibromofluoromethane (Surr)	*85*		*30 - 122*	*03/02/15 11:08*	*03/04/15 07:42*	*1*

Lab Sample ID: LCS 240-170250/2-A
Matrix: Solid
Analysis Batch: 170526

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 170250

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	2000	1320		ug/Kg		66	16 - 156
Benzene	1000	859		ug/Kg		86	70 - 120
Dichlorobromomethane	1000	847		ug/Kg		85	28 - 123
Bromoform	1000	654		ug/Kg		65	10 - 120
Bromomethane	1000	288		ug/Kg		29	10 - 120
2-Butanone (MEK)	2000	1760		ug/Kg		88	10 - 199
Carbon disulfide	1000	523		ug/Kg		52	10 - 132
Carbon tetrachloride	1000	752		ug/Kg		75	29 - 120
Chlorobenzene	1000	863		ug/Kg		86	71 - 120
Chloroethane	1000	406		ug/Kg		41	10 - 120
Chloroform	1000	879		ug/Kg		88	63 - 120
Chloromethane	1000	436		ug/Kg		44	25 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-170250/2-A
Matrix: Solid
Analysis Batch: 170526

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 170250

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	1000	873		ug/Kg		87	63 - 120
1,2-Dichloroethane	1000	914		ug/Kg		91	68 - 120
1,1-Dichloroethene	1000	717		ug/Kg		72	44 - 143
1,2-Dichloropropane	1000	909		ug/Kg		91	73 - 120
cis-1,3-Dichloropropene	1000	923		ug/Kg		92	25 - 120
trans-1,3-Dichloropropene	1000	905		ug/Kg		91	22 - 122
Ethylbenzene	1000	860		ug/Kg		86	66 - 120
2-Hexanone	2000	1850		ug/Kg		93	43 - 130
Methylene Chloride	1000	826		ug/Kg		83	27 - 172
4-Methyl-2-pentanone (MIBK)	2000	1900		ug/Kg		95	49 - 121
Styrene	1000	952		ug/Kg		95	60 - 120
1,1,2,2-Tetrachloroethane	1000	842		ug/Kg		84	54 - 121
Tetrachloroethene	1000	791		ug/Kg		79	58 - 131
Toluene	1000	877		ug/Kg		88	66 - 123
Trichloroethene	1000	928		ug/Kg		93	59 - 124
Vinyl chloride	1000	480		ug/Kg		48	33 - 120
Xylenes, Total	2000	1810		ug/Kg		90	68 - 120
1,1,1-Trichloroethane	1000	790		ug/Kg		79	38 - 122
1,1,2-Trichloroethane	1000	931		ug/Kg		93	74 - 120
Cyclohexane	1000	802		ug/Kg		80	40 - 120
1,2-Dibromo-3-Chloropropane	1000	776		ug/Kg		78	10 - 129
Ethylene Dibromide	1000	965		ug/Kg		96	47 - 123
Dichlorodifluoromethane	1000	181	J	ug/Kg		18	10 - 120
cis-1,2-Dichloroethene	1000	920		ug/Kg		92	60 - 125
trans-1,2-Dichloroethene	1000	830		ug/Kg		83	58 - 121
Isopropylbenzene	1000	918		ug/Kg		92	61 - 123
Methyl acetate	5000	4490		ug/Kg		90	44 - 173
Methyl tert-butyl ether	1000	925		ug/Kg		93	34 - 157
1,1,2-Trichloro-1,2,2-trifluoroethane	1000	754		ug/Kg		75	48 - 151
1,2,4-Trichlorobenzene	1000	792		ug/Kg		79	41 - 135
1,2-Dichlorobenzene	1000	873		ug/Kg		87	68 - 120
1,3-Dichlorobenzene	1000	832		ug/Kg		83	66 - 121
1,4-Dichlorobenzene	1000	814		ug/Kg		81	65 - 120
Trichlorofluoromethane	1000	530		ug/Kg		53	17 - 145
Methylcyclohexane	1000	789		ug/Kg		79	41 - 133
m-Xylene & p-Xylene	1000	884		ug/Kg		88	67 - 120
o-Xylene	1000	925		ug/Kg		93	68 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*39 - 128*
4-Bromofluorobenzene (Surr)	*95*		*26 - 141*
Toluene-d8 (Surr)	*93*		*33 - 134*
Dibromofluoromethane (Surr)	*92*		*30 - 122*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-47641-13 MS
Matrix: Solid
Analysis Batch: 170670

Client Sample ID: S-150225-RA-24
Prep Type: Total/NA
Prep Batch: 170250

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	1000	U	2020	3720	F1	ug/Kg	☼	184	10 - 142
Benzene	250	U	1010	1200		ug/Kg	☼	118	10 - 199
Dichlorobromomethane	250	U	1010	1300		ug/Kg	☼	128	18 - 133
Bromoform	250	U	1010	1210		ug/Kg	☼	119	10 - 147
Bromomethane	250	U	1010	1230		ug/Kg	☼	122	10 - 151
2-Butanone (MEK)	1000	U	2020	2750		ug/Kg	☼	136	10 - 172
Carbon disulfide	250	U	1010	1030		ug/Kg	☼	101	10 - 155
Carbon tetrachloride	250	U	1010	1330		ug/Kg	☼	131	12 - 135
Chlorobenzene	250	U	1010	1210		ug/Kg	☼	119	47 - 120
Chloroethane	250	U	1010	1390		ug/Kg	☼	137	10 - 168
Chloroform	250	U	1010	1390	F1	ug/Kg	☼	138	51 - 120
Chloromethane	250	U	1010	670		ug/Kg	☼	66	16 - 120
1,1-Dichloroethane	250	U	1010	1410		ug/Kg	☼	139	18 - 160
1,2-Dichloroethane	250	U	1010	1460		ug/Kg	☼	144	25 - 150
1,1-Dichloroethene	250	U	1010	1110		ug/Kg	☼	110	10 - 179
1,2-Dichloropropane	250	U	1010	1290	F1	ug/Kg	☼	128	58 - 120
cis-1,3-Dichloropropene	250	U	1010	1180		ug/Kg	☼	116	19 - 121
trans-1,3-Dichloropropene	250	U	1010	1370		ug/Kg	☼	136	10 - 136
Ethylbenzene	250	U	1010	1220		ug/Kg	☼	121	27 - 143
2-Hexanone	1000	U	2020	2750		ug/Kg	☼	136	21 - 141
Methylene Chloride	250	U	1010	1360		ug/Kg	☼	135	10 - 148
4-Methyl-2-pentanone (MIBK)	1000	U	2020	2860		ug/Kg	☼	141	19 - 151
Styrene	250	U	1010	1330		ug/Kg	☼	131	31 - 137
1,1,2,2-Tetrachloroethane	250	U	1010	1320		ug/Kg	☼	130	16 - 158
Tetrachloroethene	2400		1010	2030	F1	ug/Kg	☼	-40	19 - 153
Toluene	250	U	1010	1190		ug/Kg	☼	118	10 - 168
Trichloroethene	76	J	1010	1240		ug/Kg	☼	115	10 - 193
Vinyl chloride	250	U	1010	863		ug/Kg	☼	85	15 - 123
Xylenes, Total	500	U	2020	2460		ug/Kg	☼	121	16 - 150
1,1,1-Trichloroethane	250	U	1010	1410		ug/Kg	☼	139	10 - 159
1,1,2-Trichloroethane	250	U	1010	1250		ug/Kg	☼	124	34 - 152
Cyclohexane	500	U	1010	1240		ug/Kg	☼	122	10 - 154
1,2-Dibromo-3-Chloropropane	500	U	1010	1090		ug/Kg	☼	107	10 - 137
Ethylene Dibromide	250	U	1010	1320	F1	ug/Kg	☼	131	32 - 127
Dichlorodifluoromethane	250	U	1010	302		ug/Kg	☼	30	10 - 120
cis-1,2-Dichloroethene	250	U	1010	1170		ug/Kg	☼	116	34 - 137
trans-1,2-Dichloroethene	250	U	1010	1200		ug/Kg	☼	118	40 - 126
Isopropylbenzene	250	U	1010	1220		ug/Kg	☼	121	39 - 126
Methyl acetate	500	U	5060	7070		ug/Kg	☼	140	10 - 175
Methyl tert-butyl ether	250	U	1010	1320		ug/Kg	☼	131	26 - 159
1,1,2-Trichloro-1,2,2-trifluoroethane	250	U	1010	1010		ug/Kg	☼	100	23 - 168
1,2,4-Trichlorobenzene	250	U	1010	866		ug/Kg	☼	85	10 - 136
1,2-Dichlorobenzene	250	U	1010	1150		ug/Kg	☼	114	27 - 126
1,3-Dichlorobenzene	250	U	1010	1130		ug/Kg	☼	111	29 - 124
1,4-Dichlorobenzene	250	U	1010	1110		ug/Kg	☼	110	30 - 123
Trichlorofluoromethane	250	U	1010	1070		ug/Kg	☼	106	10 - 157
Methylcyclohexane	500	U	1010	1200		ug/Kg	☼	119	11 - 156

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-47641-13 MS
Matrix: Solid
Analysis Batch: 170670

Client Sample ID: S-150225-RA-24
Prep Type: Total/NA
Prep Batch: 170250

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	250	U	1010	1250		ug/Kg	☼	124	14 - 151
o-Xylene	250	U	1010	1210		ug/Kg	☼	119	18 - 151

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*150*	*X*	*39 - 128*
4-Bromofluorobenzene (Surr)	*110*		*26 - 141*
Toluene-d8 (Surr)	*116*		*33 - 134*
Dibromofluoromethane (Surr)	*125*	*X*	*30 - 122*

Lab Sample ID: 240-47641-13 MSD
Matrix: Solid
Analysis Batch: 170670

Client Sample ID: S-150225-RA-24
Prep Type: Total/NA
Prep Batch: 170250

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	1000	U	2060	4100	F1	ug/Kg	☼	199	10 - 142	10	30
Benzene	250	U	1030	1090		ug/Kg	☼	106	10 - 199	9	30
Dichlorobromomethane	250	U	1030	1260		ug/Kg	☼	122	18 - 133	3	30
Bromoform	250	U	1030	1060		ug/Kg	☼	103	10 - 147	13	30
Bromomethane	250	U	1030	1010		ug/Kg	☼	98	10 - 151	20	30
2-Butanone (MEK)	1000	U	2060	3080		ug/Kg	☼	149	10 - 172	11	30
Carbon disulfide	250	U	1030	827		ug/Kg	☼	80	10 - 155	21	30
Carbon tetrachloride	250	U	1030	1110		ug/Kg	☼	107	12 - 135	18	30
Chlorobenzene	250	U	1030	1060		ug/Kg	☼	103	47 - 120	13	30
Chloroethane	250	U	1030	1000	F2	ug/Kg	☼	97	10 - 168	32	30
Chloroform	250	U	1030	1210		ug/Kg	☼	118	51 - 120	14	30
Chloromethane	250	U	1030	580		ug/Kg	☼	56	16 - 120	14	30
1,1-Dichloroethane	250	U	1030	1190		ug/Kg	☼	116	18 - 160	16	30
1,2-Dichloroethane	250	U	1030	1390		ug/Kg	☼	135	25 - 150	4	30
1,1-Dichloroethene	250	U	1030	992		ug/Kg	☼	96	10 - 179	11	30
1,2-Dichloropropane	250	U	1030	1160		ug/Kg	☼	112	58 - 120	11	30
cis-1,3-Dichloropropene	250	U	1030	1110		ug/Kg	☼	108	19 - 121	6	30
trans-1,3-Dichloropropene	250	U	1030	1330		ug/Kg	☼	129	10 - 136	3	30
Ethylbenzene	250	U	1030	1090		ug/Kg	☼	106	27 - 143	11	30
2-Hexanone	1000	U	2060	3040	F1	ug/Kg	☼	147	21 - 141	10	30
Methylene Chloride	250	U	1030	1190		ug/Kg	☼	115	10 - 148	14	30
4-Methyl-2-pentanone (MIBK)	1000	U	2060	3120		ug/Kg	☼	151	19 - 151	9	30
Styrene	250	U	1030	1220		ug/Kg	☼	118	31 - 137	9	30
1,1,2,2-Tetrachloroethane	250	U	1030	1380		ug/Kg	☼	134	16 - 158	5	30
Tetrachloroethene	2400		1030	2470	F1	ug/Kg	☼	5	19 - 153	20	30
Toluene	250	U	1030	1050		ug/Kg	☼	102	10 - 168	12	30
Trichloroethene	76	J	1030	1160		ug/Kg	☼	105	10 - 193	6	30
Vinyl chloride	250	U	1030	710		ug/Kg	☼	69	15 - 123	19	30
Xylenes, Total	500	U	2060	2140		ug/Kg	☼	104	16 - 150	14	30
1,1,1-Trichloroethane	250	U	1030	1190		ug/Kg	☼	115	10 - 159	17	30
1,1,2-Trichloroethane	250	U	1030	1210		ug/Kg	☼	118	34 - 152	3	30
Cyclohexane	500	U	1030	1040		ug/Kg	☼	100	10 - 154	18	30
1,2-Dibromo-3-Chloropropane	500	U	1030	1280		ug/Kg	☼	124	10 - 137	16	30
Ethylene Dibromide	250	U	1030	1260		ug/Kg	☼	122	32 - 127	5	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-47641-13 MSD
Matrix: Solid
Analysis Batch: 170670

Client Sample ID: S-150225-RA-24
Prep Type: Total/NA
Prep Batch: 170250

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dichlorodifluoromethane	250	U	1030	253	J	ug/Kg	☼	25	10 - 120	18	30
cis-1,2-Dichloroethene	250	U	1030	1080		ug/Kg	☼	105	34 - 137	8	30
trans-1,2-Dichloroethene	250	U	1030	1000		ug/Kg	☼	97	40 - 126	17	30
Isopropylbenzene	250	U	1030	1080		ug/Kg	☼	104	39 - 126	13	30
Methyl acetate	500	U	5160	7450		ug/Kg	☼	144	10 - 175	5	30
Methyl tert-butyl ether	250	U	1030	1300		ug/Kg	☼	126	26 - 159	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane	250	U	1030	902		ug/Kg	☼	87	23 - 168	12	30
1,2,4-Trichlorobenzene	250	U	1030	858		ug/Kg	☼	83	10 - 136	1	30
1,2-Dichlorobenzene	250	U	1030	1040		ug/Kg	☼	101	27 - 126	10	30
1,3-Dichlorobenzene	250	U	1030	982		ug/Kg	☼	95	29 - 124	14	30
1,4-Dichlorobenzene	250	U	1030	1000		ug/Kg	☼	97	30 - 123	10	30
Trichlorofluoromethane	250	U	1030	905		ug/Kg	☼	88	10 - 157	17	30
Methylcyclohexane	500	U	1030	1060		ug/Kg	☼	102	11 - 156	13	30
m-Xylene & p-Xylene	250	U	1030	1080		ug/Kg	☼	105	14 - 151	14	30
o-Xylene	250	U	1030	1060		ug/Kg	☼	103	18 - 151	12	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*147*	*X*	*39 - 128*
4-Bromofluorobenzene (Surr)	*106*		*26 - 141*
Toluene-d8 (Surr)	*107*		*33 - 134*
Dibromofluoromethane (Surr)	*115*		*30 - 122*

Lab Sample ID: MB 240-170386/5
Matrix: Water
Analysis Batch: 170386

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	3.4	ug/L			03/03/15 10:27	1
Benzene	1.0	U	1.0	0.24	ug/L			03/03/15 10:27	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			03/03/15 10:27	1
Bromoform	1.0	U	1.0	0.56	ug/L			03/03/15 10:27	1
Bromomethane	1.0	U	1.0	0.63	ug/L			03/03/15 10:27	1
2-Butanone (MEK)	10	U	10	4.1	ug/L			03/03/15 10:27	1
Carbon disulfide	1.0	U	1.0	0.28	ug/L			03/03/15 10:27	1
Carbon tetrachloride	1.0	U	1.0	0.17	ug/L			03/03/15 10:27	1
Chlorobenzene	1.0	U	1.0	0.19	ug/L			03/03/15 10:27	1
Chloroethane	1.0	U	1.0	0.33	ug/L			03/03/15 10:27	1
Chloroform	1.0	U	1.0	0.21	ug/L			03/03/15 10:27	1
Chloromethane	1.0	U	1.0	0.44	ug/L			03/03/15 10:27	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/03/15 10:27	1
1,2-Dichloroethane	1.0	U	1.0	0.20	ug/L			03/03/15 10:27	1
1,1-Dichloroethene	1.0	U	1.0	0.45	ug/L			03/03/15 10:27	1
1,2-Dichloropropane	1.0	U	1.0	0.22	ug/L			03/03/15 10:27	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.46	ug/L			03/03/15 10:27	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.56	ug/L			03/03/15 10:27	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			03/03/15 10:27	1
2-Hexanone	10	U	10	3.9	ug/L			03/03/15 10:27	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-170386/5
Matrix: Water
Analysis Batch: 170386

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.307	J	1.0	0.28	ug/L			03/03/15 10:27	1
4-Methyl-2-pentanone (MIBK)	10	U	10	3.6	ug/L			03/03/15 10:27	1
Styrene	1.0	U	1.0	0.45	ug/L			03/03/15 10:27	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			03/03/15 10:27	1
Tetrachloroethene	1.0	U	1.0	0.20	ug/L			03/03/15 10:27	1
Toluene	1.0	U	1.0	0.22	ug/L			03/03/15 10:27	1
Trichloroethene	1.0	U	1.0	0.15	ug/L			03/03/15 10:27	1
Vinyl chloride	1.0	U	1.0	0.29	ug/L			03/03/15 10:27	1
Xylenes, Total	2.0	U	2.0	0.43	ug/L			03/03/15 10:27	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			03/03/15 10:27	1
1,1,2-Trichloroethane	1.0	U	1.0	0.17	ug/L			03/03/15 10:27	1
Cyclohexane	1.0	U	1.0	0.33	ug/L			03/03/15 10:27	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.82	ug/L			03/03/15 10:27	1
Ethylene Dibromide	1.0	U	1.0	0.19	ug/L			03/03/15 10:27	1
Dichlorodifluoromethane	1.0	U	1.0	0.50	ug/L			03/03/15 10:27	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.20	ug/L			03/03/15 10:27	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/03/15 10:27	1
Isopropylbenzene	1.0	U	1.0	0.35	ug/L			03/03/15 10:27	1
Methyl acetate	10	U	10	2.3	ug/L			03/03/15 10:27	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			03/03/15 10:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.37	ug/L			03/03/15 10:27	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.32	ug/L			03/03/15 10:27	1
1,2-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			03/03/15 10:27	1
1,3-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			03/03/15 10:27	1
1,4-Dichlorobenzene	1.0	U	1.0	0.16	ug/L			03/03/15 10:27	1
Trichlorofluoromethane	1.0	U	1.0	0.49	ug/L			03/03/15 10:27	1
Chlorodibromomethane	1.0	U	1.0	0.43	ug/L			03/03/15 10:27	1
Methylcyclohexane	1.0	U	1.0	0.23	ug/L			03/03/15 10:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*63 - 129*		*03/03/15 10:27*	*1*
4-Bromofluorobenzene (Surr)	*108*		*66 - 120*		*03/03/15 10:27*	*1*
Toluene-d8 (Surr)	*98*		*74 - 120*		*03/03/15 10:27*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 121*		*03/03/15 10:27*	*1*

Lab Sample ID: LCS 240-170386/4
Matrix: Water
Analysis Batch: 170386

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	15.4		ug/L		77	43 - 136
Benzene	10.0	10.7		ug/L		107	80 - 120
Dichlorobromomethane	10.0	10.9		ug/L		109	72 - 121
Bromoform	10.0	9.58		ug/L		96	40 - 131
Bromomethane	10.0	9.00		ug/L		90	11 - 185
2-Butanone (MEK)	20.0	18.6		ug/L		93	60 - 126
Carbon disulfide	10.0	10.6		ug/L		106	62 - 142
Carbon tetrachloride	10.0	11.5		ug/L		115	66 - 128

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-170386/4
Matrix: Water
Analysis Batch: 170386

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	10.0	10.5		ug/L		105	80 - 120
Chloroethane	10.0	8.18		ug/L		82	25 - 153
Chloroform	10.0	11.5		ug/L		115	79 - 120
Chloromethane	10.0	8.55		ug/L		85	44 - 126
1,1-Dichloroethane	10.0	10.8		ug/L		108	80 - 120
1,2-Dichloroethane	10.0	11.9		ug/L		119	71 - 127
1,1-Dichloroethene	10.0	10.2		ug/L		102	78 - 131
1,2-Dichloropropane	10.0	10.4		ug/L		104	80 - 120
cis-1,3-Dichloropropene	10.0	11.1		ug/L		111	61 - 120
trans-1,3-Dichloropropene	10.0	11.2		ug/L		112	58 - 120
Ethylbenzene	10.0	10.9		ug/L		109	80 - 120
2-Hexanone	20.0	18.7		ug/L		94	55 - 133
Methylene Chloride	10.0	10.5		ug/L		105	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	19.9		ug/L		100	63 - 128
Styrene	10.0	10.8		ug/L		108	79 - 120
1,1,2,2-Tetrachloroethane	10.0	10.3		ug/L		103	68 - 120
Tetrachloroethene	10.0	10.1		ug/L		101	79 - 120
Toluene	10.0	10.5		ug/L		105	80 - 120
Trichloroethene	10.0	11.1		ug/L		111	76 - 120
Vinyl chloride	10.0	8.58		ug/L		86	53 - 127
Xylenes, Total	20.0	21.2		ug/L		106	80 - 120
1,1,1-Trichloroethane	10.0	11.3		ug/L		113	74 - 120
1,1,2-Trichloroethane	10.0	10.4		ug/L		104	80 - 120
Cyclohexane	10.0	9.13		ug/L		91	54 - 121
1,2-Dibromo-3-Chloropropane	10.0	9.56		ug/L		96	42 - 136
Ethylene Dibromide	10.0	10.5		ug/L		105	79 - 120
Dichlorodifluoromethane	10.0	7.85		ug/L		78	19 - 129
cis-1,2-Dichloroethene	10.0	11.1		ug/L		111	80 - 120
trans-1,2-Dichloroethene	10.0	10.9		ug/L		109	80 - 120
Isopropylbenzene	10.0	10.6		ug/L		106	75 - 120
Methyl acetate	50.0	49.4		ug/L		99	58 - 131
Methyl tert-butyl ether	10.0	10.6		ug/L		106	52 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.1		ug/L		101	74 - 151
1,2,4-Trichlorobenzene	10.0	9.18		ug/L		92	48 - 135
1,2-Dichlorobenzene	10.0	10.4		ug/L		104	80 - 120
1,3-Dichlorobenzene	10.0	10.4		ug/L		104	80 - 120
1,4-Dichlorobenzene	10.0	10.6		ug/L		106	80 - 120
Trichlorofluoromethane	10.0	10.3		ug/L		103	49 - 157
Methylcyclohexane	10.0	9.37		ug/L		94	56 - 127
m-Xylene & p-Xylene	10.0	10.7		ug/L		107	80 - 120
o-Xylene	10.0	10.5		ug/L		105	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*63 - 129*
4-Bromofluorobenzene (Surr)	*109*		*66 - 120*
Toluene-d8 (Surr)	*101*		*74 - 120*
Dibromofluoromethane (Surr)	*112*		*75 - 121*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-170247/1-A
Matrix: Solid
Analysis Batch: 170368

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 170247

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.642	J	20	0.41	mg/Kg		03/02/15 10:49	03/03/15 17:22	1
Cadmium	0.0291	J	0.20	0.021	mg/Kg		03/02/15 10:49	03/03/15 17:22	1
Chromium	0.0828	J	0.50	0.075	mg/Kg		03/02/15 10:49	03/03/15 17:22	1
Silver	0.50	U	0.50	0.063	mg/Kg		03/02/15 10:49	03/03/15 17:22	1
Arsenic	1.0	U	1.0	0.41	mg/Kg		03/02/15 10:49	03/03/15 17:22	1
Lead	0.30	U	0.30	0.20	mg/Kg		03/02/15 10:49	03/03/15 17:22	1
Selenium	0.50	U	0.50	0.34	mg/Kg		03/02/15 10:49	03/03/15 17:22	1

Lab Sample ID: LCS 240-170247/2-A
Matrix: Solid
Analysis Batch: 170368

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 170247

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	200	195		mg/Kg		97	80 - 120
Cadmium	5.00	4.36		mg/Kg		87	80 - 120
Chromium	20.0	18.4		mg/Kg		92	80 - 120
Silver	5.00	5.04		mg/Kg		101	80 - 120
Arsenic	200	192		mg/Kg		96	80 - 120
Lead	50.0	46.0		mg/Kg		92	80 - 120
Selenium	200	198		mg/Kg		99	80 - 120

Lab Sample ID: MB 240-170284/1-A
Matrix: Solid
Analysis Batch: 170368

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 170284

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	20	U	20	0.41	mg/Kg		03/02/15 12:40	03/03/15 19:31	1
Cadmium	0.20	U	0.20	0.021	mg/Kg		03/02/15 12:40	03/03/15 19:31	1
Chromium	0.50	U	0.50	0.075	mg/Kg		03/02/15 12:40	03/03/15 19:31	1
Silver	0.50	U	0.50	0.063	mg/Kg		03/02/15 12:40	03/03/15 19:31	1
Arsenic	1.0	U	1.0	0.41	mg/Kg		03/02/15 12:40	03/03/15 19:31	1
Lead	0.30	U	0.30	0.20	mg/Kg		03/02/15 12:40	03/03/15 19:31	1
Selenium	0.50	U	0.50	0.34	mg/Kg		03/02/15 12:40	03/03/15 19:31	1

Lab Sample ID: LCS 240-170284/2-A
Matrix: Solid
Analysis Batch: 170368

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 170284

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	200	195		mg/Kg		97	80 - 120
Cadmium	5.00	4.34		mg/Kg		87	80 - 120
Chromium	20.0	18.4		mg/Kg		92	80 - 120
Silver	5.00	4.98		mg/Kg		100	80 - 120
Arsenic	200	191		mg/Kg		96	80 - 120
Lead	50.0	45.9		mg/Kg		92	80 - 120
Selenium	200	196		mg/Kg		98	80 - 120

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 240-47641-13 MS
Matrix: Solid
Analysis Batch: 170368

Client Sample ID: S-150225-RA-24
Prep Type: Total/NA
Prep Batch: 170284

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	9.4	J	187	176		mg/Kg	☼	89	75 - 125
Cadmium	0.055	J	4.67	3.72		mg/Kg	☼	78	75 - 125
Chromium	4.6		18.7	18.7		mg/Kg	☼	76	75 - 125
Silver	0.41	U	4.67	4.31		mg/Kg	☼	92	75 - 125
Arsenic	0.74	J	187	164		mg/Kg	☼	87	75 - 125
Lead	0.87		46.7	39.9		mg/Kg	☼	84	75 - 125
Selenium	0.41	U	187	167		mg/Kg	☼	90	75 - 125

Lab Sample ID: 240-47641-13 MSD
Matrix: Solid
Analysis Batch: 170368

Client Sample ID: S-150225-RA-24
Prep Type: Total/NA
Prep Batch: 170284

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Barium	9.4	J	187	186		mg/Kg	☼	95	75 - 125	6	20
Cadmium	0.055	J	4.67	3.96		mg/Kg	☼	84	75 - 125	6	20
Chromium	4.6		18.7	20.1		mg/Kg	☼	83	75 - 125	7	20
Silver	0.41	U	4.67	4.52		mg/Kg	☼	97	75 - 125	5	20
Arsenic	0.74	J	187	174		mg/Kg	☼	92	75 - 125	6	20
Lead	0.87		46.7	42.2		mg/Kg	☼	88	75 - 125	5	20
Selenium	0.41	U	187	176		mg/Kg	☼	94	75 - 125	5	20

Lab Sample ID: MB 240-170233/1-A
Matrix: Water
Analysis Batch: 170368

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 170233

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	1.22	J	200	1.0	ug/L		03/02/15 10:15	03/03/15 08:29	1
Cadmium	2.0	U	2.0	0.14	ug/L		03/02/15 10:15	03/03/15 08:29	1
Chromium	5.0	U	5.0	0.55	ug/L		03/02/15 10:15	03/03/15 08:29	1
Silver	5.0	U	5.0	0.92	ug/L		03/02/15 10:15	03/03/15 08:29	1
Arsenic	4.62	J	10	2.9	ug/L		03/02/15 10:15	03/03/15 08:29	1
Lead	3.0	U	3.0	1.9	ug/L		03/02/15 10:15	03/03/15 08:29	1
Selenium	5.0	U	5.0	4.0	ug/L		03/02/15 10:15	03/03/15 08:29	1

Lab Sample ID: LCS 240-170233/2-A
Matrix: Water
Analysis Batch: 170368

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 170233

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	2000	1930		ug/L		96	80 - 120
Cadmium	50.0	51.4		ug/L		103	80 - 120
Chromium	200	194		ug/L		97	80 - 120
Silver	50.0	50.1		ug/L		100	80 - 120
Arsenic	2000	2040		ug/L		102	80 - 120
Lead	500	489		ug/L		98	80 - 120
Selenium	2000	2080		ug/L		104	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-170235/1-A
Matrix: Water
Analysis Batch: 170434

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 170235

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.090	ug/L		03/02/15 14:00	03/03/15 10:06	1

Lab Sample ID: LCS 240-170235/3-A
Matrix: Water
Analysis Batch: 170434

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 170235

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	5.07		ug/L		101	80 - 120

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 240-170274/1-A
Matrix: Solid
Analysis Batch: 170482

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 170274

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.10	U	0.10	0.014	mg/Kg		03/02/15 15:10	03/03/15 12:13	1

Lab Sample ID: LCS 240-170274/2-A
Matrix: Solid
Analysis Batch: 170482

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 170274

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.818		mg/Kg		98	80 - 120

Lab Sample ID: MB 240-170291/1-A
Matrix: Solid
Analysis Batch: 170482

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 170291

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.10	U	0.10	0.014	mg/Kg		03/02/15 15:10	03/03/15 11:45	1

Lab Sample ID: LCS 240-170291/2-A
Matrix: Solid
Analysis Batch: 170482

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 170291

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.815		mg/Kg		98	80 - 120

Lab Sample ID: 240-47641-13 MS
Matrix: Solid
Analysis Batch: 170482

Client Sample ID: S-150225-RA-24
Prep Type: Total/NA
Prep Batch: 170291

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.11	U	0.179	0.191		mg/Kg	☼	107	80 - 120

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: 240-47641-13 MSD
Matrix: Solid
Analysis Batch: 170482

Client Sample ID: S-150225-RA-24
Prep Type: Total/NA
Prep Batch: 170291

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.11	U	0.179	0.185		mg/Kg	☼	104	80 - 120	3	20

Method: Moisture - Percent Moisture

Lab Sample ID: 240-47641-13 DU
Matrix: Solid
Analysis Batch: 170324

Client Sample ID: S-150225-RA-24
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	98		98		%		0.08	20
Percent Moisture	1.8		1.8		%		5	20

Lab Sample ID: 240-47641-14 DU
Matrix: Solid
Analysis Batch: 170324

Client Sample ID: S-150225-RA-25
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	96		97		%		1	20
Percent Moisture	4.1		2.7	F3	%		42	20

GC/MS VOA

Prep Batch: 170236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-47641-1	S-150225-RA-12	Total/NA	Solid	5035	
240-47641-2	S-150225-RA-13	Total/NA	Solid	5035	
240-47641-3	S-150225-RA-14	Total/NA	Solid	5035	
240-47641-4	S-150225-RA-15	Total/NA	Solid	5035	
240-47641-5	S-150225-RA-16	Total/NA	Solid	5035	
240-47641-6	S-150225-RA-17	Total/NA	Solid	5035	
240-47641-7	S-150225-RA-18	Total/NA	Solid	5035	
240-47641-8	S-150225-RA-19	Total/NA	Solid	5035	
240-47641-9	S-150225-RA-20	Total/NA	Solid	5035	
LCS 240-170236/2-A	Lab Control Sample	Total/NA	Solid	5035	
MB 240-170236/1-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 170250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-47641-10	S-150225-RA-21	Total/NA	Solid	5035	
240-47641-11	S-150225-RA-22	Total/NA	Solid	5035	
240-47641-12	S-150225-RA-23	Total/NA	Solid	5035	
240-47641-13	S-150225-RA-24	Total/NA	Solid	5035	
240-47641-13 MS	S-150225-RA-24	Total/NA	Solid	5035	
240-47641-13 MSD	S-150225-RA-24	Total/NA	Solid	5035	
240-47641-14	S-150225-RA-25	Total/NA	Solid	5035	
LCS 240-170250/2-A	Lab Control Sample	Total/NA	Solid	5035	
MB 240-170250/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 170386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-47641-15	W-150225-RA-01	Total/NA	Water	8260B	
LCS 240-170386/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-170386/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 170526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-170236/2-A	Lab Control Sample	Total/NA	Solid	8260B	170236
LCS 240-170250/2-A	Lab Control Sample	Total/NA	Solid	8260B	170250
MB 240-170236/1-A	Method Blank	Total/NA	Solid	8260B	170236
MB 240-170250/1-A	Method Blank	Total/NA	Solid	8260B	170250

Analysis Batch: 170670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-47641-1	S-150225-RA-12	Total/NA	Solid	8260B	170236
240-47641-2	S-150225-RA-13	Total/NA	Solid	8260B	170236
240-47641-3	S-150225-RA-14	Total/NA	Solid	8260B	170236
240-47641-4	S-150225-RA-15	Total/NA	Solid	8260B	170236
240-47641-5	S-150225-RA-16	Total/NA	Solid	8260B	170236
240-47641-6	S-150225-RA-17	Total/NA	Solid	8260B	170236
240-47641-7	S-150225-RA-18	Total/NA	Solid	8260B	170236
240-47641-8	S-150225-RA-19	Total/NA	Solid	8260B	170236
240-47641-9	S-150225-RA-20	Total/NA	Solid	8260B	170236
240-47641-10	S-150225-RA-21	Total/NA	Solid	8260B	170250
240-47641-11	S-150225-RA-22	Total/NA	Solid	8260B	170250
240-47641-12	S-150225-RA-23	Total/NA	Solid	8260B	170250

GC/MS VOA (Continued)

Analysis Batch: 170670 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-47641-13	S-150225-RA-24	Total/NA	Solid	8260B	170250
240-47641-13 MS	S-150225-RA-24	Total/NA	Solid	8260B	170250
240-47641-13 MSD	S-150225-RA-24	Total/NA	Solid	8260B	170250
240-47641-14	S-150225-RA-25	Total/NA	Solid	8260B	170250

Metals

Prep Batch: 170233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-47641-15	W-150225-RA-01	Total Recoverable	Water	3005A	
LCS 240-170233/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-170233/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 170235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-47641-15	W-150225-RA-01	Total/NA	Water	7470A	
LCS 240-170235/3-A	Lab Control Sample	Total/NA	Water	7470A	
MB 240-170235/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 170247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-47641-1	S-150225-RA-12	Total/NA	Solid	3050B	
240-47641-2	S-150225-RA-13	Total/NA	Solid	3050B	
240-47641-3	S-150225-RA-14	Total/NA	Solid	3050B	
240-47641-4	S-150225-RA-15	Total/NA	Solid	3050B	
240-47641-5	S-150225-RA-16	Total/NA	Solid	3050B	
240-47641-6	S-150225-RA-17	Total/NA	Solid	3050B	
240-47641-7	S-150225-RA-18	Total/NA	Solid	3050B	
LCS 240-170247/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-170247/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 170274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-47641-1	S-150225-RA-12	Total/NA	Solid	7471A	
240-47641-2	S-150225-RA-13	Total/NA	Solid	7471A	
240-47641-3	S-150225-RA-14	Total/NA	Solid	7471A	
240-47641-4	S-150225-RA-15	Total/NA	Solid	7471A	
240-47641-5	S-150225-RA-16	Total/NA	Solid	7471A	
240-47641-6	S-150225-RA-17	Total/NA	Solid	7471A	
240-47641-7	S-150225-RA-18	Total/NA	Solid	7471A	
LCS 240-170274/2-A	Lab Control Sample	Total/NA	Solid	7471A	
MB 240-170274/1-A	Method Blank	Total/NA	Solid	7471A	

Prep Batch: 170284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-47641-8	S-150225-RA-19	Total/NA	Solid	3050B	
240-47641-9	S-150225-RA-20	Total/NA	Solid	3050B	
240-47641-10	S-150225-RA-21	Total/NA	Solid	3050B	
240-47641-11	S-150225-RA-22	Total/NA	Solid	3050B	
240-47641-12	S-150225-RA-23	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 170284 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-47641-13	S-150225-RA-24	Total/NA	Solid	3050B	
240-47641-13 MS	S-150225-RA-24	Total/NA	Solid	3050B	
240-47641-13 MSD	S-150225-RA-24	Total/NA	Solid	3050B	
240-47641-14	S-150225-RA-25	Total/NA	Solid	3050B	
LCS 240-170284/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-170284/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 170291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-47641-8	S-150225-RA-19	Total/NA	Solid	7471A	
240-47641-9	S-150225-RA-20	Total/NA	Solid	7471A	
240-47641-10	S-150225-RA-21	Total/NA	Solid	7471A	
240-47641-11	S-150225-RA-22	Total/NA	Solid	7471A	
240-47641-12	S-150225-RA-23	Total/NA	Solid	7471A	
240-47641-13	S-150225-RA-24	Total/NA	Solid	7471A	
240-47641-13 MS	S-150225-RA-24	Total/NA	Solid	7471A	
240-47641-13 MSD	S-150225-RA-24	Total/NA	Solid	7471A	
240-47641-14	S-150225-RA-25	Total/NA	Solid	7471A	
LCS 240-170291/2-A	Lab Control Sample	Total/NA	Solid	7471A	
MB 240-170291/1-A	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 170368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-47641-1	S-150225-RA-12	Total/NA	Solid	6010B	170247
240-47641-2	S-150225-RA-13	Total/NA	Solid	6010B	170247
240-47641-3	S-150225-RA-14	Total/NA	Solid	6010B	170247
240-47641-4	S-150225-RA-15	Total/NA	Solid	6010B	170247
240-47641-5	S-150225-RA-16	Total/NA	Solid	6010B	170247
240-47641-6	S-150225-RA-17	Total/NA	Solid	6010B	170247
240-47641-7	S-150225-RA-18	Total/NA	Solid	6010B	170247
240-47641-8	S-150225-RA-19	Total/NA	Solid	6010B	170284
240-47641-9	S-150225-RA-20	Total/NA	Solid	6010B	170284
240-47641-10	S-150225-RA-21	Total/NA	Solid	6010B	170284
240-47641-11	S-150225-RA-22	Total/NA	Solid	6010B	170284
240-47641-12	S-150225-RA-23	Total/NA	Solid	6010B	170284
240-47641-13	S-150225-RA-24	Total/NA	Solid	6010B	170284
240-47641-13 MS	S-150225-RA-24	Total/NA	Solid	6010B	170284
240-47641-13 MSD	S-150225-RA-24	Total/NA	Solid	6010B	170284
240-47641-14	S-150225-RA-25	Total/NA	Solid	6010B	170284
240-47641-15	W-150225-RA-01	Total Recoverable	Water	6010B	170233
LCS 240-170233/2-A	Lab Control Sample	Total Recoverable	Water	6010B	170233
LCS 240-170247/2-A	Lab Control Sample	Total/NA	Solid	6010B	170247
LCS 240-170284/2-A	Lab Control Sample	Total/NA	Solid	6010B	170284
MB 240-170233/1-A	Method Blank	Total Recoverable	Water	6010B	170233
MB 240-170247/1-A	Method Blank	Total/NA	Solid	6010B	170247
MB 240-170284/1-A	Method Blank	Total/NA	Solid	6010B	170284

Analysis Batch: 170434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-47641-15	W-150225-RA-01	Total/NA	Water	7470A	170235
LCS 240-170235/3-A	Lab Control Sample	Total/NA	Water	7470A	170235

Metals (Continued)

Analysis Batch: 170434 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-170235/1-A	Method Blank	Total/NA	Water	7470A	170235

Analysis Batch: 170482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-47641-1	S-150225-RA-12	Total/NA	Solid	7471A	170274
240-47641-2	S-150225-RA-13	Total/NA	Solid	7471A	170274
240-47641-3	S-150225-RA-14	Total/NA	Solid	7471A	170274
240-47641-4	S-150225-RA-15	Total/NA	Solid	7471A	170274
240-47641-5	S-150225-RA-16	Total/NA	Solid	7471A	170274
240-47641-6	S-150225-RA-17	Total/NA	Solid	7471A	170274
240-47641-7	S-150225-RA-18	Total/NA	Solid	7471A	170274
240-47641-8	S-150225-RA-19	Total/NA	Solid	7471A	170291
240-47641-9	S-150225-RA-20	Total/NA	Solid	7471A	170291
240-47641-10	S-150225-RA-21	Total/NA	Solid	7471A	170291
240-47641-11	S-150225-RA-22	Total/NA	Solid	7471A	170291
240-47641-12	S-150225-RA-23	Total/NA	Solid	7471A	170291
240-47641-13	S-150225-RA-24	Total/NA	Solid	7471A	170291
240-47641-13 MS	S-150225-RA-24	Total/NA	Solid	7471A	170291
240-47641-13 MSD	S-150225-RA-24	Total/NA	Solid	7471A	170291
240-47641-14	S-150225-RA-25	Total/NA	Solid	7471A	170291
LCS 240-170274/2-A	Lab Control Sample	Total/NA	Solid	7471A	170274
LCS 240-170291/2-A	Lab Control Sample	Total/NA	Solid	7471A	170291
MB 240-170274/1-A	Method Blank	Total/NA	Solid	7471A	170274
MB 240-170291/1-A	Method Blank	Total/NA	Solid	7471A	170291

General Chemistry

Analysis Batch: 170324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-47641-1	S-150225-RA-12	Total/NA	Solid	Moisture	
240-47641-2	S-150225-RA-13	Total/NA	Solid	Moisture	
240-47641-3	S-150225-RA-14	Total/NA	Solid	Moisture	
240-47641-4	S-150225-RA-15	Total/NA	Solid	Moisture	
240-47641-5	S-150225-RA-16	Total/NA	Solid	Moisture	
240-47641-6	S-150225-RA-17	Total/NA	Solid	Moisture	
240-47641-7	S-150225-RA-18	Total/NA	Solid	Moisture	
240-47641-8	S-150225-RA-19	Total/NA	Solid	Moisture	
240-47641-9	S-150225-RA-20	Total/NA	Solid	Moisture	
240-47641-10	S-150225-RA-21	Total/NA	Solid	Moisture	
240-47641-11	S-150225-RA-22	Total/NA	Solid	Moisture	
240-47641-12	S-150225-RA-23	Total/NA	Solid	Moisture	
240-47641-13	S-150225-RA-24	Total/NA	Solid	Moisture	
240-47641-13 DU	S-150225-RA-24	Total/NA	Solid	Moisture	
240-47641-14	S-150225-RA-25	Total/NA	Solid	Moisture	
240-47641-14 DU	S-150225-RA-25	Total/NA	Solid	Moisture	

Client Sample ID: S-150225-RA-12 — **Lab Sample ID: 240-47641-1**
Date Collected: 02/25/15 14:30 — **Matrix: Solid**
Date Received: 02/27/15 10:00 — **Percent Solids: 88.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			170236	03/02/15 10:30	LAM	TAL CAN
Total/NA	Analysis	8260B		1	170670	03/04/15 18:10	SAM	TAL CAN
Total/NA	Prep	3050B			170247	03/02/15 10:49	DEE	TAL CAN
Total/NA	Analysis	6010B		1	170368	03/03/15 18:47	KLC	TAL CAN
Total/NA	Prep	7471A			170274	03/02/15 15:10	DEE	TAL CAN
Total/NA	Analysis	7471A		1	170482	03/03/15 12:50	BW	TAL CAN
Total/NA	Analysis	Moisture		1	170324	03/02/15 15:09	SEM	TAL CAN

Client Sample ID: S-150225-RA-13 — **Lab Sample ID: 240-47641-2**
Date Collected: 02/25/15 14:30 — **Matrix: Solid**
Date Received: 02/27/15 10:00 — **Percent Solids: 97.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			170236	03/02/15 10:30	LAM	TAL CAN
Total/NA	Analysis	8260B		1	170670	03/04/15 18:31	SAM	TAL CAN
Total/NA	Prep	3050B			170247	03/02/15 10:49	DEE	TAL CAN
Total/NA	Analysis	6010B		1	170368	03/03/15 18:51	KLC	TAL CAN
Total/NA	Prep	7471A			170274	03/02/15 15:10	DEE	TAL CAN
Total/NA	Analysis	7471A		1	170482	03/03/15 12:52	BW	TAL CAN
Total/NA	Analysis	Moisture		1	170324	03/02/15 15:09	SEM	TAL CAN

Client Sample ID: S-150225-RA-14 — **Lab Sample ID: 240-47641-3**
Date Collected: 02/25/15 15:20 — **Matrix: Solid**
Date Received: 02/27/15 10:00 — **Percent Solids: 91.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			170236	03/02/15 10:30	LAM	TAL CAN
Total/NA	Analysis	8260B		1	170670	03/04/15 18:53	SAM	TAL CAN
Total/NA	Prep	3050B			170247	03/02/15 10:49	DEE	TAL CAN
Total/NA	Analysis	6010B		1	170368	03/03/15 18:55	KLC	TAL CAN
Total/NA	Prep	7471A			170274	03/02/15 15:10	DEE	TAL CAN
Total/NA	Analysis	7471A		1	170482	03/03/15 12:54	BW	TAL CAN
Total/NA	Analysis	Moisture		1	170324	03/02/15 15:09	SEM	TAL CAN

Client Sample ID: S-150225-RA-15 — **Lab Sample ID: 240-47641-4**
Date Collected: 02/25/15 15:40 — **Matrix: Solid**
Date Received: 02/27/15 10:00 — **Percent Solids: 90.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			170236	03/02/15 10:30	LAM	TAL CAN
Total/NA	Analysis	8260B		1	170670	03/04/15 19:14	SAM	TAL CAN
Total/NA	Prep	3050B			170247	03/02/15 10:49	DEE	TAL CAN
Total/NA	Analysis	6010B		1	170368	03/03/15 18:59	KLC	TAL CAN

Client Sample ID: S-150225-RA-15 — **Lab Sample ID: 240-47641-4**
Date Collected: 02/25/15 15:40 — **Matrix: Solid**
Date Received: 02/27/15 10:00 — **Percent Solids: 90.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			170274	03/02/15 15:10	DEE	TAL CAN
Total/NA	Analysis	7471A		1	170482	03/03/15 12:58	BW	TAL CAN
Total/NA	Analysis	Moisture		1	170324	03/02/15 15:09	SEM	TAL CAN

Client Sample ID: S-150225-RA-16 — **Lab Sample ID: 240-47641-5**
Date Collected: 02/25/15 15:40 — **Matrix: Solid**
Date Received: 02/27/15 10:00 — **Percent Solids: 97.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			170236	03/02/15 10:30	LAM	TAL CAN
Total/NA	Analysis	8260B		1	170670	03/04/15 19:36	SAM	TAL CAN
Total/NA	Prep	3050B			170247	03/02/15 10:49	DEE	TAL CAN
Total/NA	Analysis	6010B		1	170368	03/03/15 19:03	KLC	TAL CAN
Total/NA	Prep	7471A			170274	03/02/15 15:10	DEE	TAL CAN
Total/NA	Analysis	7471A		1	170482	03/03/15 12:56	BW	TAL CAN
Total/NA	Analysis	Moisture		1	170324	03/02/15 15:09	SEM	TAL CAN

Client Sample ID: S-150225-RA-17 — **Lab Sample ID: 240-47641-6**
Date Collected: 02/25/15 16:30 — **Matrix: Solid**
Date Received: 02/27/15 10:00 — **Percent Solids: 95.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			170236	03/02/15 10:30	LAM	TAL CAN
Total/NA	Analysis	8260B		1	170670	03/04/15 19:57	SAM	TAL CAN
Total/NA	Prep	3050B			170247	03/02/15 10:49	DEE	TAL CAN
Total/NA	Analysis	6010B		1	170368	03/03/15 19:07	KLC	TAL CAN
Total/NA	Prep	7471A			170274	03/02/15 15:10	DEE	TAL CAN
Total/NA	Analysis	7471A		1	170482	03/03/15 13:00	BW	TAL CAN
Total/NA	Analysis	Moisture		1	170324	03/02/15 15:09	SEM	TAL CAN

Client Sample ID: S-150225-RA-18 — **Lab Sample ID: 240-47641-7**
Date Collected: 02/25/15 16:30 — **Matrix: Solid**
Date Received: 02/27/15 10:00 — **Percent Solids: 94.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			170236	03/02/15 10:30	LAM	TAL CAN
Total/NA	Analysis	8260B		1	170670	03/04/15 20:18	SAM	TAL CAN
Total/NA	Prep	3050B			170247	03/02/15 10:49	DEE	TAL CAN
Total/NA	Analysis	6010B		1	170368	03/03/15 19:11	KLC	TAL CAN
Total/NA	Prep	7471A			170274	03/02/15 15:10	DEE	TAL CAN
Total/NA	Analysis	7471A		1	170482	03/03/15 13:02	BW	TAL CAN
Total/NA	Analysis	Moisture		1	170324	03/02/15 15:09	SEM	TAL CAN

Client Sample ID: S-150225-RA-19 — **Lab Sample ID: 240-47641-8**
Date Collected: 02/25/15 16:30 — **Matrix: Solid**
Date Received: 02/27/15 10:00 — **Percent Solids: 89.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			170236	03/02/15 10:30	LAM	TAL CAN
Total/NA	Analysis	8260B		1	170670	03/04/15 20:40	SAM	TAL CAN
Total/NA	Prep	3050B			170284	03/02/15 12:40	DEE	TAL CAN
Total/NA	Analysis	6010B		1	170368	03/03/15 19:59	KLC	TAL CAN
Total/NA	Prep	7471A			170291	03/02/15 15:10	DEE	TAL CAN
Total/NA	Analysis	7471A		1	170482	03/03/15 12:01	BW	TAL CAN
Total/NA	Analysis	Moisture		1	170324	03/02/15 15:09	SEM	TAL CAN

Client Sample ID: S-150225-RA-20 — **Lab Sample ID: 240-47641-9**
Date Collected: 02/25/15 17:00 — **Matrix: Solid**
Date Received: 02/27/15 10:00 — **Percent Solids: 90.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			170236	03/02/15 10:30	LAM	TAL CAN
Total/NA	Analysis	8260B		1	170670	03/04/15 21:01	SAM	TAL CAN
Total/NA	Prep	3050B			170284	03/02/15 12:40	DEE	TAL CAN
Total/NA	Analysis	6010B		1	170368	03/03/15 20:10	KLC	TAL CAN
Total/NA	Prep	7471A			170291	03/02/15 15:10	DEE	TAL CAN
Total/NA	Analysis	7471A		1	170482	03/03/15 12:02	BW	TAL CAN
Total/NA	Analysis	Moisture		1	170324	03/02/15 15:09	SEM	TAL CAN

Client Sample ID: S-150225-RA-21 — **Lab Sample ID: 240-47641-10**
Date Collected: 02/25/15 17:00 — **Matrix: Solid**
Date Received: 02/27/15 10:00 — **Percent Solids: 93.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			170250	03/02/15 11:08	LAM	TAL CAN
Total/NA	Analysis	8260B		1	170670	03/04/15 21:23	SAM	TAL CAN
Total/NA	Prep	3050B			170284	03/02/15 12:40	DEE	TAL CAN
Total/NA	Analysis	6010B		1	170368	03/03/15 20:14	KLC	TAL CAN
Total/NA	Prep	7471A			170291	03/02/15 15:10	DEE	TAL CAN
Total/NA	Analysis	7471A		1	170482	03/03/15 12:05	BW	TAL CAN
Total/NA	Analysis	Moisture		1	170324	03/02/15 15:09	SEM	TAL CAN

Client Sample ID: S-150225-RA-22 — **Lab Sample ID: 240-47641-11**
Date Collected: 02/25/15 17:30 — **Matrix: Solid**
Date Received: 02/27/15 10:00 — **Percent Solids: 92.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			170250	03/02/15 11:08	LAM	TAL CAN
Total/NA	Analysis	8260B		1	170670	03/04/15 21:44	SAM	TAL CAN
Total/NA	Prep	3050B			170284	03/02/15 12:40	DEE	TAL CAN
Total/NA	Analysis	6010B		1	170368	03/03/15 20:18	KLC	TAL CAN

Client Sample ID: S-150225-RA-22 — **Lab Sample ID: 240-47641-11**
Date Collected: 02/25/15 17:30 — **Matrix: Solid**
Date Received: 02/27/15 10:00 — **Percent Solids: 92.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			170291	03/02/15 15:10	DEE	TAL CAN
Total/NA	Analysis	7471A		1	170482	03/03/15 12:06	BW	TAL CAN
Total/NA	Analysis	Moisture		1	170324	03/02/15 15:09	SEM	TAL CAN

Client Sample ID: S-150225-RA-23 — **Lab Sample ID: 240-47641-12**
Date Collected: 02/25/15 17:30 — **Matrix: Solid**
Date Received: 02/27/15 10:00 — **Percent Solids: 96.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			170250	03/02/15 11:08	LAM	TAL CAN
Total/NA	Analysis	8260B		1	170670	03/04/15 22:05	SAM	TAL CAN
Total/NA	Prep	3050B			170284	03/02/15 12:40	DEE	TAL CAN
Total/NA	Analysis	6010B		1	170368	03/03/15 20:23	KLC	TAL CAN
Total/NA	Prep	7471A			170291	03/02/15 15:10	DEE	TAL CAN
Total/NA	Analysis	7471A		1	170482	03/03/15 12:09	BW	TAL CAN
Total/NA	Analysis	Moisture		1	170324	03/02/15 15:09	SEM	TAL CAN

Client Sample ID: S-150225-RA-24 — **Lab Sample ID: 240-47641-13**
Date Collected: 02/25/15 18:30 — **Matrix: Solid**
Date Received: 02/27/15 10:00 — **Percent Solids: 98.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			170250	03/02/15 11:08	LAM	TAL CAN
Total/NA	Analysis	8260B		1	170670	03/04/15 22:27	SAM	TAL CAN
Total/NA	Prep	3050B			170284	03/02/15 12:40	DEE	TAL CAN
Total/NA	Analysis	6010B		1	170368	03/03/15 19:39	KLC	TAL CAN
Total/NA	Prep	7471A			170291	03/02/15 15:10	DEE	TAL CAN
Total/NA	Analysis	7471A		1	170482	03/03/15 11:49	BW	TAL CAN
Total/NA	Analysis	Moisture		1	170324	03/02/15 15:09	SEM	TAL CAN

Client Sample ID: S-150225-RA-25 — **Lab Sample ID: 240-47641-14**
Date Collected: 02/25/15 18:30 — **Matrix: Solid**
Date Received: 02/27/15 10:00 — **Percent Solids: 95.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			170250	03/02/15 11:08	LAM	TAL CAN
Total/NA	Analysis	8260B		1	170670	03/04/15 23:32	SAM	TAL CAN
Total/NA	Prep	3050B			170284	03/02/15 12:40	DEE	TAL CAN
Total/NA	Analysis	6010B		1	170368	03/03/15 20:27	KLC	TAL CAN
Total/NA	Prep	7471A			170291	03/02/15 15:10	DEE	TAL CAN
Total/NA	Analysis	7471A		1	170482	03/03/15 12:11	BW	TAL CAN
Total/NA	Analysis	Moisture		1	170324	03/02/15 15:09	SEM	TAL CAN

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86119 City of Wausau Chemical Brownfield

TestAmerica Job ID: 240-47641-1

Client Sample ID: W-150225-RA-01
Date Collected: 02/25/15 17:00
Date Received: 02/27/15 10:00

Lab Sample ID: 240-47641-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	170386	03/03/15 12:18	LEE	TAL CAN
Total Recoverable	Prep	3005A			170233	03/02/15 10:15	WAL	TAL CAN
Total Recoverable	Analysis	6010B		1	170368	03/03/15 10:38	KLC	TAL CAN
Total/NA	Prep	7470A			170235	03/02/15 14:00	WAL	TAL CAN
Total/NA	Analysis	7470A		1	170434	03/03/15 10:27	BW	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86119 City of Wausau Chemical Brownfield

TestAmerica Job ID: 240-47641-1

Laboratory: TestAmerica Canton

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	999518190	08-31-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Water	1,1,2-Trichloro-1,2,2-trifluoroethane
8260B		Water	Cyclohexane
8260B		Water	Methyl acetate
8260B		Water	Methylcyclohexane
8260B	5035	Solid	1,1,2-Trichloro-1,2,2-trifluoroethane
8260B	5035	Solid	Cyclohexane
8260B	5035	Solid	Methyl acetate
8260B	5035	Solid	Methylcyclohexane
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS


240-47641 Chain of Custody

1.4/C1.9

3.0/C3.5

CHAIN OF CUSTODY RECORD

COC NO. SP- 01493

PAGE 1 OF 1

(See Reverse Side for Instructions)

CONESTOGA-ROVERS & ASSOCIATES

1801 Old Highway 8 Northwest, Suite 114
St. Paul, Minnesota 55112 United States
Phone: (651) 639-0913 Fax: (651) 639-0923

Project No/ Phase/Task Code: 86119-10	Laboratory Name: Test America	Lab Location:	SSOW ID:
Project Name: Wausau	Lab Contact:	Lab Quote No:	Cooler No:
Project Location: Wausau			Carrier:
Chemistry Contact: G. Anderson			Airbill No:
Sampler(s): RAamot			Date Shipped:

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Container Quantity & Preservation: Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	Analysis Requested (See Back of COC for Definitions): VOC 5035/8260	RCRA Metals	MS/MSD Request	Comments/ Special Instructions:
1	S-150225-RA-12	2/25/15	1430	SO	G	2					3			5	✓	✓		
2	RA-13		1430		G	2					3			5	✓	✓		
3	RA-14		1500		G	2					3			5	✓	✓		
4	RA-15		1510		G	2					3			5	✓	✓		
5	RA-16		1540		G	2					3			5	✓	✓		
6	RA-17		1630		G	2					3			5	✓	✓		
7	RA-18		1630		G	2					3			5	✓	✓		
8	RA-19		1630		G	2					3			5	✓	✓		
9	RA-20		1700		G	2					3			5	✓	✓		
10	RA-21		1700		G	2					3			5	✓	✓		
11	RA-22		1730		G	2					3			5	✓	✓		
12	RA-23		1730		G	2					3			5	✓	✓		
13	RA-24		1830		C	6					9			15	✓	✓	X	
14	S-150225-RA-25		1830	↓	G	2					3			5	✓	✓		
15	W-150225-RA-01	↓	1700	W	G		3	1						4	✓			

TAT Required in business days (use separate COCs for different TATs):

☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☒ ~~2~~ Week ☐ Other:

Total Number of Containers: 84

All Samples in Cooler must be on COC

Notes/ Special Requirements:

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1.	CR	2/26/15	1600	1.	TA	2/27/15	1000
2.				2.			
3.				3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10A (20110804)

TestAmerica Canton Sample Receipt Form/Narrative Login # : 47164
Canton Facility

Client CRA Site Name

Cooler Received on 2-27-15 Opened on 2-27-15

Cooler unpacked by:

FedEx: 1st Grd (Exp) UPS FAS Stetson Client Drop Off TestAmerica Courier Other

Receipt After-hours: Drop-off Date/Time Storage Location

TestAmerica Cooler # Foam Box (Client Cooler) Box (Other)

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

~~IR GUN# A (CF +4.0 °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C~~

IR GUN# 4 (CF +0.5 °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C

~~IR GUN# 5 (CF +0.4 °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C~~

IR GUN# 8 (CF -1.2 °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C

☑ See Multiple Cooler Form

2.	Were custody seals on the outside of the cooler(s)? If Yes Quantity 4	(Yes)	No
	-Were custody seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
	-Were custody seals on the bottle(s)?	Yes	(No)
3.	Shippers' packing slip attached to the cooler(s)?	(Yes)	No
4.	Did custody papers accompany the sample(s)?	(Yes)	No
5.	Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6.	Was/were the sampler(s) clearly identified on the COC?	(Yes)	No
7.	Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8.	Could all bottle labels be reconciled with the COC?	(Yes)	No
9.	Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
10.	Sufficient quantity received to perform indicated analyses?	(Yes)	No
11.	Were sample(s) at the correct pH upon receipt?	(Yes)	No NA pH Strip Lot# HC425511
12.	Were VOAs on the COC?	(Yes)	No
13.	Were air bubbles >6 mm in any VOA vials?	Yes	(No) NA
14.	Was a trip blank present in the cooler(s)? Trip Blank Lot #	Yes	(No)

Contacted PM Date by via Verbal Voice Mail Other

Concerning

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by:

15. SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired.

Sample(s) were received in a broken container.

Sample(s) were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

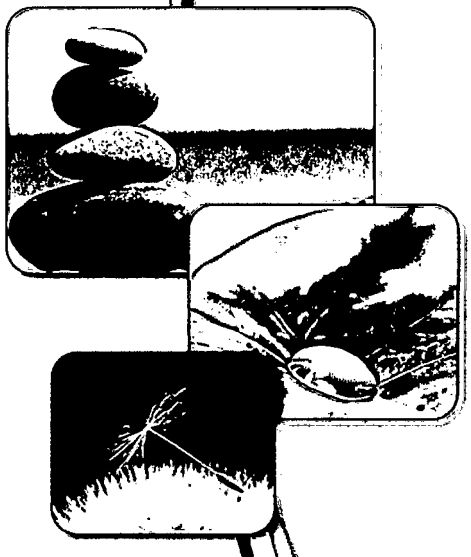
Sample(s) were further preserved in the laboratory.

Time preserved: Preservative(s) added/Lot number(s):

TestAmerica Multiple Cooler Receipt Form/Narrative Login #: 47641
Canton Facility

Cooler #	IR Gun #	Observed Temp °C	Corrected Temp °C	Coolant
Client	4	1.4	1.9	ice
1	1	3.0	3.5	2

C:\Users\livengoodc\AppData\Local\Microsoft\Windows\Temporary Internet Files\OLKD16\WI-NC-099-031813 Cooler Receipt Form_page 2 - Multiple Coolers.doc
Revision 3, 3/18/13 rls



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
Tel: (865)291-3000

TestAmerica Job ID: 140-2808-1
Client Project/Site: City of Wausau-Chemical Brownfield
Revision: 1

For:
Conestoga-Rovers & Associates, Inc.
1801 Old Highway 8 NW
Suite 114
St. Paul, Minnesota 55112

Attn: Mr. Grant Anderson

Authorized for release by:
3/18/2015 1:32:12 PM

Jamie McKinney, Senior Project Manager
(865)291-3000
jamie.mckinney@testamericainc.com

..... LINKS .....

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 140-2808-1

Laboratory: TestAmerica Knoxville

Narrative

Job Narrative
140-2808-1
REVISED

Comments
This report has been revised. The results have been reported in ppb v/v and ug/m3.

Receipt
The samples were received on 3/2/2015 10:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice.

Air - GC/MS VOA
Method(s) TO 14A, TO 15 LL, TO-14A, TO-15: EPA methods TO-14A and TO-15 specify the use of humidified "zero air" as the blank reagent for canister cleaning, instrument calibration and sample analysis. Ultra-high purity humidified nitrogen from a cryogenic reservoir is used in place of "zero air" by TestAmerica Knoxville.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: City of Wausau-Chemical Brownfield

TestAmerica Job ID: 140-2808-1

Client Sample ID: G-150225-RA-01 — Lab Sample ID: 140-2808-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	110	J	270	55	ppb v/v	41.24		TO-15	Total/NA
Chloroform	15	J	55	10	ppb v/v	41.24		TO-15	Total/NA
cis-1,2-Dichloroethene	330		55	16	ppb v/v	41.24		TO-15	Total/NA
Hexane	11	J	220	8.8	ppb v/v	41.24		TO-15	Total/NA
Isopropyl alcohol	53	J	1400	26	ppb v/v	41.24		TO-15	Total/NA
Methylene Chloride	40	J B	140	36	ppb v/v	41.24		TO-15	Total/NA
Tetrachloroethene	4900		55	11	ppb v/v	41.24		TO-15	Total/NA
Trichloroethene	460		55	9.9	ppb v/v	41.24		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	320	J	810	160	ug/m3	41.24		TO-15	Total/NA
Chloroform	72	J	270	51	ug/m3	41.24		TO-15	Total/NA
cis-1,2-Dichloroethene	1300		220	65	ug/m3	41.24		TO-15	Total/NA
Hexane	38	J	780	31	ug/m3	41.24		TO-15	Total/NA
Isopropyl alcohol	130	J	3400	64	ug/m3	41.24		TO-15	Total/NA
Methylene Chloride	140	J B	480	120	ug/m3	41.24		TO-15	Total/NA
Tetrachloroethene	33000		370	75	ug/m3	41.24		TO-15	Total/NA
Trichloroethene	2500		300	53	ug/m3	41.24		TO-15	Total/NA

Client Sample ID: G-150225-RA-02 — Lab Sample ID: 140-2808-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	3.2		2.0	0.63	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.65	J	2.0	0.65	ppb v/v	1		TO-15	Total/NA
2-Butanone (MEK)	17		10	2.0	ppb v/v	1		TO-15	Total/NA
4-Methyl-2-pentanone (MIBK)	4.1	J	5.0	0.45	ppb v/v	1		TO-15	Total/NA
Acetone	26	J	50	14	ppb v/v	1		TO-15	Total/NA
Benzene	3.2		2.0	0.56	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	2.2	J	5.0	0.31	ppb v/v	1		TO-15	Total/NA
Chloromethane	1.9	J	5.0	1.6	ppb v/v	1		TO-15	Total/NA
Cyclohexane	1.4	J	5.0	0.40	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.95	J	2.0	0.68	ppb v/v	1		TO-15	Total/NA
Hexane	2.6	J	8.0	0.32	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	2.7	J	50	0.94	ppb v/v	1		TO-15	Total/NA
m-Xylene & p-Xylene	3.2	J	8.0	1.2	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	1.8	J B	5.0	1.3	ppb v/v	1		TO-15	Total/NA
o-Xylene	1.0	J	2.0	0.61	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	5.3		2.0	0.40	ppb v/v	1		TO-15	Total/NA
Tetrahydrofuran	0.66	J	50	0.63	ppb v/v	1		TO-15	Total/NA
Toluene	3.8		2.0	1.2	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	16		9.8	3.1	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	3.2	J	9.8	3.2	ug/m3	1		TO-15	Total/NA
2-Butanone (MEK)	49		29	5.9	ug/m3	1		TO-15	Total/NA
4-Methyl-2-pentanone (MIBK)	17	J	20	1.8	ug/m3	1		TO-15	Total/NA
Acetone	61	J	120	33	ug/m3	1		TO-15	Total/NA
Benzene	10		6.4	1.8	ug/m3	1		TO-15	Total/NA
Carbon disulfide	6.7	J	16	0.97	ug/m3	1		TO-15	Total/NA
Chloromethane	4.0	J	10	3.3	ug/m3	1		TO-15	Total/NA
Cyclohexane	4.7	J	17	1.4	ug/m3	1		TO-15	Total/NA
Ethylbenzene	4.1	J	8.7	3.0	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: G-150225-RA-02 (Continued)

Lab Sample ID: 140-2808-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Hexane	9.1	J	28	1.1	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	6.5	J	120	2.3	ug/m3	1		TO-15	Total/NA
m-Xylene & p-Xylene	14	J	35	5.2	ug/m3	1		TO-15	Total/NA
Methylene Chloride	6.2	J B	17	4.5	ug/m3	1		TO-15	Total/NA
o-Xylene	4.4	J	8.7	2.6	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	36		14	2.7	ug/m3	1		TO-15	Total/NA
Tetrahydrofuran	1.9	J	150	1.9	ug/m3	1		TO-15	Total/NA
Toluene	14		7.5	4.5	ug/m3	1		TO-15	Total/NA

Client Sample ID: G-150225-RA-03

Lab Sample ID: 140-2808-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	17		2.0	0.63	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	3.6		2.0	0.65	ppb v/v	1		TO-15	Total/NA
2-Butanone (MEK)	64		10	2.0	ppb v/v	1		TO-15	Total/NA
4-Methyl-2-pentanone (MIBK)	5.5		5.0	0.45	ppb v/v	1		TO-15	Total/NA
Acetone	110		50	14	ppb v/v	1		TO-15	Total/NA
Benzene	5.4		2.0	0.56	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	1.2	J	5.0	0.31	ppb v/v	1		TO-15	Total/NA
Cyclohexane	2.5	J	5.0	0.40	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	5.7		2.0	0.68	ppb v/v	1		TO-15	Total/NA
Hexane	2.8	J	8.0	0.32	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	9.2	J	50	0.94	ppb v/v	1		TO-15	Total/NA
Isopropylbenzene	1.3	J	8.0	0.60	ppb v/v	1		TO-15	Total/NA
m-Xylene & p-Xylene	20		8.0	1.2	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	2.3	J B	5.0	1.3	ppb v/v	1		TO-15	Total/NA
o-Xylene	6.3		2.0	0.61	ppb v/v	1		TO-15	Total/NA
Styrene	2.5		2.0	0.58	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	35		2.0	0.40	ppb v/v	1		TO-15	Total/NA
Tetrahydrofuran	3.6	J	50	0.63	ppb v/v	1		TO-15	Total/NA
Toluene	13		2.0	1.2	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.38	J	2.0	0.36	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.28	J	2.0	0.24	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	83		9.8	3.1	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	18		9.8	3.2	ug/m3	1		TO-15	Total/NA
2-Butanone (MEK)	190		29	5.9	ug/m3	1		TO-15	Total/NA
4-Methyl-2-pentanone (MIBK)	23		20	1.8	ug/m3	1		TO-15	Total/NA
Acetone	270		120	33	ug/m3	1		TO-15	Total/NA
Benzene	17		6.4	1.8	ug/m3	1		TO-15	Total/NA
Carbon disulfide	3.8	J	16	0.97	ug/m3	1		TO-15	Total/NA
Cyclohexane	8.5	J	17	1.4	ug/m3	1		TO-15	Total/NA
Ethylbenzene	25		8.7	3.0	ug/m3	1		TO-15	Total/NA
Hexane	10	J	28	1.1	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	23	J	120	2.3	ug/m3	1		TO-15	Total/NA
Isopropylbenzene	6.4	J	39	2.9	ug/m3	1		TO-15	Total/NA
m-Xylene & p-Xylene	88		35	5.2	ug/m3	1		TO-15	Total/NA
Methylene Chloride	7.9	J B	17	4.5	ug/m3	1		TO-15	Total/NA
o-Xylene	27		8.7	2.6	ug/m3	1		TO-15	Total/NA
Styrene	11		8.5	2.5	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: G-150225-RA-03 (Continued)

Lab Sample ID: 140-2808-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	240		14	2.7	ug/m3	1		TO-15	Total/NA
Tetrahydrofuran	11	J	150	1.9	ug/m3	1		TO-15	Total/NA
Toluene	49		7.5	4.5	ug/m3	1		TO-15	Total/NA
Trichloroethene	2.0	J	11	1.9	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.6	J	11	1.3	ug/m3	1		TO-15	Total/NA

Client Sample ID: G-150225-RA-04

Lab Sample ID: 140-2808-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	75		5.1	1.6	ppb v/v	3.83		TO-15	Total/NA
1,3,5-Trimethylbenzene	17		5.1	1.7	ppb v/v	3.83		TO-15	Total/NA
2-Butanone (MEK)	560		26	5.1	ppb v/v	3.83		TO-15	Total/NA
4-Methyl-2-pentanone (MIBK)	13		13	1.1	ppb v/v	3.83		TO-15	Total/NA
Acetone	3200	E	130	36	ppb v/v	3.83		TO-15	Total/NA
Benzene	13		5.1	1.4	ppb v/v	3.83		TO-15	Total/NA
Carbon disulfide	9.7	J	13	0.79	ppb v/v	3.83		TO-15	Total/NA
Carbon tetrachloride	0.98	J	5.1	0.97	ppb v/v	3.83		TO-15	Total/NA
Chloroform	1.7	J	5.1	0.97	ppb v/v	3.83		TO-15	Total/NA
Ethylbenzene	22		5.1	1.7	ppb v/v	3.83		TO-15	Total/NA
Hexane	6.3	J	20	0.82	ppb v/v	3.83		TO-15	Total/NA
Isopropyl alcohol	190		130	2.4	ppb v/v	3.83		TO-15	Total/NA
Isopropylbenzene	5.4	J	20	1.5	ppb v/v	3.83		TO-15	Total/NA
m-Xylene & p-Xylene	81		20	3.1	ppb v/v	3.83		TO-15	Total/NA
Methylene Chloride	5.4	J B	13	3.3	ppb v/v	3.83		TO-15	Total/NA
o-Xylene	26		5.1	1.6	ppb v/v	3.83		TO-15	Total/NA
Styrene	6.6		5.1	1.5	ppb v/v	3.83		TO-15	Total/NA
Tetrachloroethene	320		5.1	1.0	ppb v/v	3.83		TO-15	Total/NA
Tetrahydrofuran	11	J	130	1.6	ppb v/v	3.83		TO-15	Total/NA
Toluene	160		5.1	3.1	ppb v/v	3.83		TO-15	Total/NA
Trichloroethene	2.5	J	5.1	0.92	ppb v/v	3.83		TO-15	Total/NA
Acetone - DL	1500		190	54	ppb v/v	3.83		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	370		25	7.9	ug/m3	3.83		TO-15	Total/NA
1,3,5-Trimethylbenzene	86		25	8.2	ug/m3	3.83		TO-15	Total/NA
2-Butanone (MEK)	1600		75	15	ug/m3	3.83		TO-15	Total/NA
4-Methyl-2-pentanone (MIBK)	54		52	4.7	ug/m3	3.83		TO-15	Total/NA
Acetone	7600	E	300	85	ug/m3	3.83		TO-15	Total/NA
Benzene	40		16	4.6	ug/m3	3.83		TO-15	Total/NA
Carbon disulfide	30	J	40	2.5	ug/m3	3.83		TO-15	Total/NA
Carbon tetrachloride	6.2	J	32	6.1	ug/m3	3.83		TO-15	Total/NA
Chloroform	8.3	J	25	4.7	ug/m3	3.83		TO-15	Total/NA
Ethylbenzene	97		22	7.5	ug/m3	3.83		TO-15	Total/NA
Hexane	22	J	72	2.9	ug/m3	3.83		TO-15	Total/NA
Isopropyl alcohol	470		310	5.9	ug/m3	3.83		TO-15	Total/NA
Isopropylbenzene	27	J	100	7.5	ug/m3	3.83		TO-15	Total/NA
m-Xylene & p-Xylene	350		89	13	ug/m3	3.83		TO-15	Total/NA
Methylene Chloride	19	J B	44	12	ug/m3	3.83		TO-15	Total/NA
o-Xylene	110		22	6.8	ug/m3	3.83		TO-15	Total/NA
Styrene	28		22	6.3	ug/m3	3.83		TO-15	Total/NA
Tetrachloroethene	2200		35	6.9	ug/m3	3.83		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: G-150225-RA-04 (Continued)

Lab Sample ID: 140-2808-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrahydrofuran	33	J	380	4.7	ug/m3	3.83		TO-15	Total/NA
Toluene	610		19	12	ug/m3	3.83		TO-15	Total/NA
Trichloroethene	13	J	27	4.9	ug/m3	3.83		TO-15	Total/NA
Acetone - DL	3700		450	130	ug/m3	3.83		TO-15	Total/NA

Client Sample ID: G-150225-RA-05

Lab Sample ID: 140-2808-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	13	J	19	6.1	ppb v/v	12.08		TO-15	Total/NA
Acetone	170	J	480	140	ppb v/v	12.08		TO-15	Total/NA
Benzene	9.4	J	19	5.4	ppb v/v	12.08		TO-15	Total/NA
Carbon disulfide	28	J	48	3.0	ppb v/v	12.08		TO-15	Total/NA
Ethylbenzene	9.4	J	19	6.6	ppb v/v	12.08		TO-15	Total/NA
Hexane	3.6	J	77	3.1	ppb v/v	12.08		TO-15	Total/NA
Isopropyl alcohol	13	J	480	9.1	ppb v/v	12.08		TO-15	Total/NA
m-Xylene & p-Xylene	29	J	77	12	ppb v/v	12.08		TO-15	Total/NA
Methylene Chloride	17	J B	48	13	ppb v/v	12.08		TO-15	Total/NA
o-Xylene	9.7	J	19	5.9	ppb v/v	12.08		TO-15	Total/NA
Tetrachloroethene	960		19	3.9	ppb v/v	12.08		TO-15	Total/NA
Toluene	34		19	12	ppb v/v	12.08		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	64	J	95	30	ug/m3	12.08		TO-15	Total/NA
Acetone	400	J	1100	320	ug/m3	12.08		TO-15	Total/NA
Benzene	30	J	62	17	ug/m3	12.08		TO-15	Total/NA
Carbon disulfide	87	J	150	9.3	ug/m3	12.08		TO-15	Total/NA
Ethylbenzene	41	J	84	29	ug/m3	12.08		TO-15	Total/NA
Hexane	13	J	270	11	ug/m3	12.08		TO-15	Total/NA
Isopropyl alcohol	33	J	1200	22	ug/m3	12.08		TO-15	Total/NA
m-Xylene & p-Xylene	130	J	340	50	ug/m3	12.08		TO-15	Total/NA
Methylene Chloride	57	J B	170	44	ug/m3	12.08		TO-15	Total/NA
o-Xylene	42	J	84	26	ug/m3	12.08		TO-15	Total/NA
Tetrachloroethene	6500		130	26	ug/m3	12.08		TO-15	Total/NA
Toluene	130		73	44	ug/m3	12.08		TO-15	Total/NA

Client Sample ID: G-150225-RA-06

Lab Sample ID: 140-2808-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	23		7.8	1.2	ppb v/v	3.88		TO-15	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	7.3	J	7.8	1.2	ppb v/v	3.88		TO-15	Total/NA
1,2,4-Trimethylbenzene	14		7.8	2.4	ppb v/v	3.88		TO-15	Total/NA
1,3,5-Trimethylbenzene	3.1	J	7.8	2.5	ppb v/v	3.88		TO-15	Total/NA
2-Butanone (MEK)	150		39	7.8	ppb v/v	3.88		TO-15	Total/NA
4-Methyl-2-pentanone (MIBK)	8.5	J	19	1.7	ppb v/v	3.88		TO-15	Total/NA
Acetone	980		190	54	ppb v/v	3.88		TO-15	Total/NA
Benzene	4.9	J	7.8	2.2	ppb v/v	3.88		TO-15	Total/NA
Carbon disulfide	5.1	J	19	1.2	ppb v/v	3.88		TO-15	Total/NA
Chloroform	1.5	J	7.8	1.5	ppb v/v	3.88		TO-15	Total/NA
Cyclohexane	5.2	J	19	1.6	ppb v/v	3.88		TO-15	Total/NA
Ethylbenzene	4.6	J	7.8	2.6	ppb v/v	3.88		TO-15	Total/NA
Hexane	4.7	J	31	1.2	ppb v/v	3.88		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: G-150225-RA-06 (Continued)

Lab Sample ID: 140-2808-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Isopropyl alcohol	65	J	190	3.6	ppb v/v	3.88		TO-15	Total/NA
m-Xylene & p-Xylene	17	J	31	4.7	ppb v/v	3.88		TO-15	Total/NA
Methylene Chloride	7.4	J B	19	5.0	ppb v/v	3.88		TO-15	Total/NA
o-Xylene	5.8	J	7.8	2.4	ppb v/v	3.88		TO-15	Total/NA
Tetrachloroethene	580		7.8	1.6	ppb v/v	3.88		TO-15	Total/NA
Tetrahydrofuran	4.7	J	190	2.4	ppb v/v	3.88		TO-15	Total/NA
Toluene	17		7.8	4.7	ppb v/v	3.88		TO-15	Total/NA
Trichloroethene	140		7.8	1.4	ppb v/v	3.88		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	130		42	6.4	ug/m3	3.88		TO-15	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	56	J	59	9.2	ug/m3	3.88		TO-15	Total/NA
1,2,4-Trimethylbenzene	67		38	12	ug/m3	3.88		TO-15	Total/NA
1,3,5-Trimethylbenzene	15	J	38	12	ug/m3	3.88		TO-15	Total/NA
2-Butanone (MEK)	430		110	23	ug/m3	3.88		TO-15	Total/NA
4-Methyl-2-pentanone (MIBK)	35	J	79	7.2	ug/m3	3.88		TO-15	Total/NA
Acetone	2300		460	130	ug/m3	3.88		TO-15	Total/NA
Benzene	16	J	25	6.9	ug/m3	3.88		TO-15	Total/NA
Carbon disulfide	16	J	60	3.7	ug/m3	3.88		TO-15	Total/NA
Chloroform	7.4	J	38	7.2	ug/m3	3.88		TO-15	Total/NA
Cyclohexane	18	J	67	5.3	ug/m3	3.88		TO-15	Total/NA
Ethylbenzene	20	J	34	11	ug/m3	3.88		TO-15	Total/NA
Hexane	17	J	110	4.4	ug/m3	3.88		TO-15	Total/NA
Isopropyl alcohol	160	J	480	9.0	ug/m3	3.88		TO-15	Total/NA
m-Xylene & p-Xylene	73	J	130	20	ug/m3	3.88		TO-15	Total/NA
Methylene Chloride	26	J B	67	18	ug/m3	3.88		TO-15	Total/NA
o-Xylene	25	J	34	10	ug/m3	3.88		TO-15	Total/NA
Tetrachloroethene	3900		53	11	ug/m3	3.88		TO-15	Total/NA
Tetrahydrofuran	14	J	570	7.2	ug/m3	3.88		TO-15	Total/NA
Toluene	65		29	18	ug/m3	3.88		TO-15	Total/NA
Trichloroethene	740		42	7.5	ug/m3	3.88		TO-15	Total/NA

Client Sample ID: G-150225-RA-07

Lab Sample ID: 140-2808-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	340	J	970	140	ppb v/v	483.18		TO-15	Total/NA
Chloroform	660	J	970	180	ppb v/v	483.18		TO-15	Total/NA
cis-1,2-Dichloroethene	4600		970	290	ppb v/v	483.18		TO-15	Total/NA
Isopropyl alcohol	1900	J	24000	450	ppb v/v	483.18		TO-15	Total/NA
Tetrachloroethene	97000		970	190	ppb v/v	483.18		TO-15	Total/NA
trans-1,2-Dichloroethene	410	J	970	240	ppb v/v	483.18		TO-15	Total/NA
Trichloroethene	16000		970	170	ppb v/v	483.18		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1800	J	5300	790	ug/m3	483.18		TO-15	Total/NA
Chloroform	3200	J	4700	900	ug/m3	483.18		TO-15	Total/NA
cis-1,2-Dichloroethene	18000		3800	1100	ug/m3	483.18		TO-15	Total/NA
Isopropyl alcohol	4700	J	59000	1100	ug/m3	483.18		TO-15	Total/NA
Tetrachloroethene	660000		6600	1300	ug/m3	483.18		TO-15	Total/NA
trans-1,2-Dichloroethene	1600	J	3800	960	ug/m3	483.18		TO-15	Total/NA
Trichloroethene	87000		5200	930	ug/m3	483.18		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: G-150225-RA-08 **Lab Sample ID: 140-2808-8**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	400	J	910	140	ppb v/v	456.45		TO-15	Total/NA
2-Butanone (MEK)	960	J	4600	910	ppb v/v	456.45		TO-15	Total/NA
Acetone	8900	J	23000	6400	ppb v/v	456.45		TO-15	Total/NA
Chloroform	860	J	910	170	ppb v/v	456.45		TO-15	Total/NA
cis-1,2-Dichloroethene	5900		910	270	ppb v/v	456.45		TO-15	Total/NA
Isopropyl alcohol	3100	J	23000	430	ppb v/v	456.45		TO-15	Total/NA
Methylene Chloride	680	J B	2300	590	ppb v/v	456.45		TO-15	Total/NA
Tetrachloroethene	110000		910	180	ppb v/v	456.45		TO-15	Total/NA
trans-1,2-Dichloroethene	530	J	910	230	ppb v/v	456.45		TO-15	Total/NA
Trichloroethene	21000		910	160	ppb v/v	456.45		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	2200	J	5000	750	ug/m3	456.45		TO-15	Total/NA
2-Butanone (MEK)	2800	J	13000	2700	ug/m3	456.45		TO-15	Total/NA
Acetone	21000	J	54000	15000	ug/m3	456.45		TO-15	Total/NA
Chloroform	4200	J	4500	850	ug/m3	456.45		TO-15	Total/NA
cis-1,2-Dichloroethene	24000		3600	1100	ug/m3	456.45		TO-15	Total/NA
Isopropyl alcohol	7600	J	56000	1100	ug/m3	456.45		TO-15	Total/NA
Methylene Chloride	2400	J B	7900	2100	ug/m3	456.45		TO-15	Total/NA
Tetrachloroethene	780000		6200	1200	ug/m3	456.45		TO-15	Total/NA
trans-1,2-Dichloroethene	2100	J	3600	900	ug/m3	456.45		TO-15	Total/NA
Trichloroethene	110000		4900	880	ug/m3	456.45		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: G-150225-RA-01
Lab Sample ID: 140-2808-1
Date Collected: 02/25/15 09:38
Matrix: Air
Date Received: 03/02/15 10:30
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		55	8.2	ppb v/v			03/05/15 01:06	41.24
1,1,2,2-Tetrachloroethane	ND		55	17	ppb v/v			03/05/15 01:06	41.24
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		55	8.5	ppb v/v			03/05/15 01:06	41.24
1,1,2-Trichloroethane	ND		55	15	ppb v/v			03/05/15 01:06	41.24
1,1-Dichloroethane	ND		55	7.1	ppb v/v			03/05/15 01:06	41.24
1,1-Dichloroethene	ND		55	9.3	ppb v/v			03/05/15 01:06	41.24
1,2,4-Trichlorobenzene	ND		550	27	ppb v/v			03/05/15 01:06	41.24
1,2,4-Trimethylbenzene	ND		55	17	ppb v/v			03/05/15 01:06	41.24
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		55	8.8	ppb v/v			03/05/15 01:06	41.24
1,2-Dichlorobenzene	ND		55	19	ppb v/v			03/05/15 01:06	41.24
1,2-Dichloroethane	ND		55	13	ppb v/v			03/05/15 01:06	41.24
1,2-Dichloropropane	ND		55	14	ppb v/v			03/05/15 01:06	41.24
1,3,5-Trimethylbenzene	ND		55	18	ppb v/v			03/05/15 01:06	41.24
1,3-Dichlorobenzene	ND		55	18	ppb v/v			03/05/15 01:06	41.24
1,4-Dichlorobenzene	ND		55	18	ppb v/v			03/05/15 01:06	41.24
1,4-Dioxane	ND		1400	22	ppb v/v			03/05/15 01:06	41.24
2-Butanone (MEK)	**110**	**J**	270	55	ppb v/v			03/05/15 01:06	41.24
4-Methyl-2-pentanone (MIBK)	ND		140	12	ppb v/v			03/05/15 01:06	41.24
Acetone	ND		1400	380	ppb v/v			03/05/15 01:06	41.24
Benzene	ND		55	15	ppb v/v			03/05/15 01:06	41.24
Benzyl chloride	ND		220	21	ppb v/v			03/05/15 01:06	41.24
Bromoform	ND		55	13	ppb v/v			03/05/15 01:06	41.24
Bromomethane	ND		55	8.8	ppb v/v			03/05/15 01:06	41.24
Carbon disulfide	ND		140	8.5	ppb v/v			03/05/15 01:06	41.24
Carbon tetrachloride	ND		55	10	ppb v/v			03/05/15 01:06	41.24
Chlorobenzene	ND		55	13	ppb v/v			03/05/15 01:06	41.24
Dibromochloromethane	ND		55	12	ppb v/v			03/05/15 01:06	41.24
Chloroethane	ND		220	9.6	ppb v/v			03/05/15 01:06	41.24
Chloroform	**15**	**J**	55	10	ppb v/v			03/05/15 01:06	41.24
Chloromethane	ND		140	44	ppb v/v			03/05/15 01:06	41.24
cis-1,2-Dichloroethene	**330**		55	16	ppb v/v			03/05/15 01:06	41.24
cis-1,3-Dichloropropene	ND		55	20	ppb v/v			03/05/15 01:06	41.24
Cyclohexane	ND		140	11	ppb v/v			03/05/15 01:06	41.24
Bromodichloromethane	ND		55	12	ppb v/v			03/05/15 01:06	41.24
Dichlorodifluoromethane	ND		140	19	ppb v/v			03/05/15 01:06	41.24
Ethylbenzene	ND		55	19	ppb v/v			03/05/15 01:06	41.24
1,2-Dibromoethane (EDB)	ND		55	12	ppb v/v			03/05/15 01:06	41.24
Hexachlorobutadiene	ND		55	21	ppb v/v			03/05/15 01:06	41.24
Hexane	**11**	**J**	220	8.8	ppb v/v			03/05/15 01:06	41.24
Isopropyl alcohol	**53**	**J**	1400	26	ppb v/v			03/05/15 01:06	41.24
Isopropylbenzene	ND		220	16	ppb v/v			03/05/15 01:06	41.24
m-Xylene & p-Xylene	ND		220	33	ppb v/v			03/05/15 01:06	41.24
Methyl tert-butyl ether	ND		270	47	ppb v/v			03/05/15 01:06	41.24
Methylene Chloride	**40**	**J B**	140	36	ppb v/v			03/05/15 01:06	41.24
Naphthalene	ND		140	25	ppb v/v			03/05/15 01:06	41.24
o-Xylene	ND		55	17	ppb v/v			03/05/15 01:06	41.24
Styrene	ND		55	16	ppb v/v			03/05/15 01:06	41.24
Tetrachloroethene	**4900**		55	11	ppb v/v			03/05/15 01:06	41.24

Client Sample ID: G-150225-RA-01
Date Collected: 02/25/15 09:38
Date Received: 03/02/15 10:30
Sample Container: Summa Canister 1L

Lab Sample ID: 140-2808-1
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	ND		1400	17	ppb v/v			03/05/15 01:06	41.24
Toluene	ND		55	33	ppb v/v			03/05/15 01:06	41.24
trans-1,2-Dichloroethene	ND		55	14	ppb v/v			03/05/15 01:06	41.24
trans-1,3-Dichloropropene	ND		55	13	ppb v/v			03/05/15 01:06	41.24
Trichloroethene	**460**		55	9.9	ppb v/v			03/05/15 01:06	41.24
Trichlorofluoromethane	ND		55	6.6	ppb v/v			03/05/15 01:06	41.24
Vinyl acetate	ND		1400	38	ppb v/v			03/05/15 01:06	41.24
Vinyl bromide	ND		55	9.6	ppb v/v			03/05/15 01:06	41.24
Vinyl chloride	ND		55	20	ppb v/v			03/05/15 01:06	41.24

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		300	45	ug/m3			03/05/15 01:06	41.24
1,1,2,2-Tetrachloroethane	ND		380	120	ug/m3			03/05/15 01:06	41.24
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		420	65	ug/m3			03/05/15 01:06	41.24
1,1,2-Trichloroethane	ND		300	81	ug/m3			03/05/15 01:06	41.24
1,1-Dichloroethane	ND		220	29	ug/m3			03/05/15 01:06	41.24
1,1-Dichloroethene	ND		220	37	ug/m3			03/05/15 01:06	41.24
1,2,4-Trichlorobenzene	ND		4100	200	ug/m3			03/05/15 01:06	41.24
1,2,4-Trimethylbenzene	ND		270	85	ug/m3			03/05/15 01:06	41.24
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		380	62	ug/m3			03/05/15 01:06	41.24
1,2-Dichlorobenzene	ND		330	120	ug/m3			03/05/15 01:06	41.24
1,2-Dichloroethane	ND		220	52	ug/m3			03/05/15 01:06	41.24
1,2-Dichloropropane	ND		250	66	ug/m3			03/05/15 01:06	41.24
1,3,5-Trimethylbenzene	ND		270	88	ug/m3			03/05/15 01:06	41.24
1,3-Dichlorobenzene	ND		330	110	ug/m3			03/05/15 01:06	41.24
1,4-Dichlorobenzene	ND		330	110	ug/m3			03/05/15 01:06	41.24
1,4-Dioxane	ND		5000	79	ug/m3			03/05/15 01:06	41.24
2-Butanone (MEK)	**320**	J	810	160	ug/m3			03/05/15 01:06	41.24
4-Methyl-2-pentanone (MIBK)	ND		560	51	ug/m3			03/05/15 01:06	41.24
Acetone	ND		3300	910	ug/m3			03/05/15 01:06	41.24
Benzene	ND		180	49	ug/m3			03/05/15 01:06	41.24
Benzyl chloride	ND		1100	110	ug/m3			03/05/15 01:06	41.24
Bromoform	ND		570	140	ug/m3			03/05/15 01:06	41.24
Bromomethane	ND		210	34	ug/m3			03/05/15 01:06	41.24
Carbon disulfide	ND		430	27	ug/m3			03/05/15 01:06	41.24
Carbon tetrachloride	ND		350	66	ug/m3			03/05/15 01:06	41.24
Chlorobenzene	ND		250	62	ug/m3			03/05/15 01:06	41.24
Dibromochloromethane	ND		470	98	ug/m3			03/05/15 01:06	41.24
Chloroethane	ND		580	25	ug/m3			03/05/15 01:06	41.24
Chloroform	**72**	J	270	51	ug/m3			03/05/15 01:06	41.24
Chloromethane	ND		280	91	ug/m3			03/05/15 01:06	41.24
cis-1,2-Dichloroethene	**1300**		220	65	ug/m3			03/05/15 01:06	41.24
cis-1,3-Dichloropropene	ND		250	92	ug/m3			03/05/15 01:06	41.24
Cyclohexane	ND		470	38	ug/m3			03/05/15 01:06	41.24
Bromodichloromethane	ND		370	81	ug/m3			03/05/15 01:06	41.24
Dichlorodifluoromethane	ND		680	92	ug/m3			03/05/15 01:06	41.24
Ethylbenzene	ND		240	81	ug/m3			03/05/15 01:06	41.24
1,2-Dibromoethane (EDB)	ND		420	93	ug/m3			03/05/15 01:06	41.24
Hexachlorobutadiene	ND		590	230	ug/m3			03/05/15 01:06	41.24

Client Sample ID: G-150225-RA-01 — **Lab Sample ID: 140-2808-1**

Date Collected: 02/25/15 09:38 — **Matrix: Air**

Date Received: 03/02/15 10:30

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexane	38	J	780	31	ug/m3			03/05/15 01:06	41.24
Isopropyl alcohol	130	J	3400	64	ug/m3			03/05/15 01:06	41.24
Isopropylbenzene	ND		1100	81	ug/m3			03/05/15 01:06	41.24
m-Xylene & p-Xylene	ND		960	140	ug/m3			03/05/15 01:06	41.24
Methyl tert-butyl ether	ND		990	170	ug/m3			03/05/15 01:06	41.24
Methylene Chloride	140	J B	480	120	ug/m3			03/05/15 01:06	41.24
Naphthalene	ND		720	130	ug/m3			03/05/15 01:06	41.24
o-Xylene	ND		240	73	ug/m3			03/05/15 01:06	41.24
Styrene	ND		230	68	ug/m3			03/05/15 01:06	41.24
Tetrachloroethene	33000		370	75	ug/m3			03/05/15 01:06	41.24
Tetrahydrofuran	ND		4100	51	ug/m3			03/05/15 01:06	41.24
Toluene	ND		210	120	ug/m3			03/05/15 01:06	41.24
trans-1,2-Dichloroethene	ND		220	55	ug/m3			03/05/15 01:06	41.24
trans-1,3-Dichloropropene	ND		250	60	ug/m3			03/05/15 01:06	41.24
Trichloroethene	2500		300	53	ug/m3			03/05/15 01:06	41.24
Trichlorofluoromethane	ND		310	37	ug/m3			03/05/15 01:06	41.24
Vinyl acetate	ND		4800	140	ug/m3			03/05/15 01:06	41.24
Vinyl bromide	ND		240	42	ug/m3			03/05/15 01:06	41.24
Vinyl chloride	ND		140	50	ug/m3			03/05/15 01:06	41.24

Client Sample ID: G-150225-RA-02 — **Lab Sample ID: 140-2808-2**

Date Collected: 02/25/15 11:19 — **Matrix: Air**

Date Received: 03/02/15 10:30

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	0.30	ppb v/v			03/04/15 12:28	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.61	ppb v/v			03/04/15 12:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.31	ppb v/v			03/04/15 12:28	1
1,1,2-Trichloroethane	ND		2.0	0.54	ppb v/v			03/04/15 12:28	1
1,1-Dichloroethane	ND		2.0	0.26	ppb v/v			03/04/15 12:28	1
1,1-Dichloroethene	ND		2.0	0.34	ppb v/v			03/04/15 12:28	1
1,2,4-Trichlorobenzene	ND		20	0.98	ppb v/v			03/04/15 12:28	1
1,2,4-Trimethylbenzene	3.2		2.0	0.63	ppb v/v			03/04/15 12:28	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0	0.32	ppb v/v			03/04/15 12:28	1
1,2-Dichlorobenzene	ND		2.0	0.70	ppb v/v			03/04/15 12:28	1
1,2-Dichloroethane	ND		2.0	0.47	ppb v/v			03/04/15 12:28	1
1,2-Dichloropropane	ND		2.0	0.52	ppb v/v			03/04/15 12:28	1
1,3,5-Trimethylbenzene	0.65	J	2.0	0.65	ppb v/v			03/04/15 12:28	1
1,3-Dichlorobenzene	ND		2.0	0.65	ppb v/v			03/04/15 12:28	1
1,4-Dichlorobenzene	ND		2.0	0.64	ppb v/v			03/04/15 12:28	1
1,4-Dioxane	ND		50	0.80	ppb v/v			03/04/15 12:28	1
2-Butanone (MEK)	17		10	2.0	ppb v/v			03/04/15 12:28	1
4-Methyl-2-pentanone (MIBK)	4.1	J	5.0	0.45	ppb v/v			03/04/15 12:28	1
Acetone	26	J	50	14	ppb v/v			03/04/15 12:28	1
Benzene	3.2		2.0	0.56	ppb v/v			03/04/15 12:28	1
Benzyl chloride	ND		8.0	0.78	ppb v/v			03/04/15 12:28	1
Bromoform	ND		2.0	0.48	ppb v/v			03/04/15 12:28	1

Client Sample ID: G-150225-RA-02
Lab Sample ID: 140-2808-2
Date Collected: 02/25/15 11:19
Matrix: Air
Date Received: 03/02/15 10:30
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		2.0	0.32	ppb v/v			03/04/15 12:28	1
Carbon disulfide	**2.2**	**J**	5.0	0.31	ppb v/v			03/04/15 12:28	1
Carbon tetrachloride	ND		2.0	0.38	ppb v/v			03/04/15 12:28	1
Chlorobenzene	ND		2.0	0.49	ppb v/v			03/04/15 12:28	1
Dibromochloromethane	ND		2.0	0.42	ppb v/v			03/04/15 12:28	1
Chloroethane	ND		8.0	0.35	ppb v/v			03/04/15 12:28	1
Chloroform	ND		2.0	0.38	ppb v/v			03/04/15 12:28	1
Chloromethane	**1.9**	**J**	5.0	1.6	ppb v/v			03/04/15 12:28	1
cis-1,2-Dichloroethene	ND		2.0	0.60	ppb v/v			03/04/15 12:28	1
cis-1,3-Dichloropropene	ND		2.0	0.74	ppb v/v			03/04/15 12:28	1
Cyclohexane	**1.4**	**J**	5.0	0.40	ppb v/v			03/04/15 12:28	1
Bromodichloromethane	ND		2.0	0.44	ppb v/v			03/04/15 12:28	1
Dichlorodifluoromethane	ND		5.0	0.68	ppb v/v			03/04/15 12:28	1
Ethylbenzene	**0.95**	**J**	2.0	0.68	ppb v/v			03/04/15 12:28	1
1,2-Dibromoethane (EDB)	ND		2.0	0.44	ppb v/v			03/04/15 12:28	1
Hexachlorobutadiene	ND		2.0	0.78	ppb v/v			03/04/15 12:28	1
Hexane	**2.6**	**J**	8.0	0.32	ppb v/v			03/04/15 12:28	1
Isopropyl alcohol	**2.7**	**J**	50	0.94	ppb v/v			03/04/15 12:28	1
Isopropylbenzene	ND		8.0	0.60	ppb v/v			03/04/15 12:28	1
m-Xylene & p-Xylene	**3.2**	**J**	8.0	1.2	ppb v/v			03/04/15 12:28	1
Methyl tert-butyl ether	ND		10	1.7	ppb v/v			03/04/15 12:28	1
Methylene Chloride	**1.8**	**J B**	5.0	1.3	ppb v/v			03/04/15 12:28	1
Naphthalene	ND		5.0	0.90	ppb v/v			03/04/15 12:28	1
o-Xylene	**1.0**	**J**	2.0	0.61	ppb v/v			03/04/15 12:28	1
Styrene	ND		2.0	0.58	ppb v/v			03/04/15 12:28	1
Tetrachloroethene	**5.3**		2.0	0.40	ppb v/v			03/04/15 12:28	1
Tetrahydrofuran	**0.66**	**J**	50	0.63	ppb v/v			03/04/15 12:28	1
Toluene	**3.8**		2.0	1.2	ppb v/v			03/04/15 12:28	1
trans-1,2-Dichloroethene	ND		2.0	0.50	ppb v/v			03/04/15 12:28	1
trans-1,3-Dichloropropene	ND		2.0	0.48	ppb v/v			03/04/15 12:28	1
Trichloroethene	ND		2.0	0.36	ppb v/v			03/04/15 12:28	1
Trichlorofluoromethane	ND		2.0	0.24	ppb v/v			03/04/15 12:28	1
Vinyl acetate	ND		50	1.4	ppb v/v			03/04/15 12:28	1
Vinyl bromide	ND		2.0	0.35	ppb v/v			03/04/15 12:28	1
Vinyl chloride	ND		2.0	0.71	ppb v/v			03/04/15 12:28	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		11	1.6	ug/m3			03/04/15 12:28	1
1,1,2,2-Tetrachloroethane	ND		14	4.2	ug/m3			03/04/15 12:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		15	2.4	ug/m3			03/04/15 12:28	1
1,1,2-Trichloroethane	ND		11	2.9	ug/m3			03/04/15 12:28	1
1,1-Dichloroethane	ND		8.1	1.1	ug/m3			03/04/15 12:28	1
1,1-Dichloroethene	ND		7.9	1.3	ug/m3			03/04/15 12:28	1
1,2,4-Trichlorobenzene	ND		150	7.3	ug/m3			03/04/15 12:28	1
1,2,4-Trimethylbenzene	**16**		9.8	3.1	ug/m3			03/04/15 12:28	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		14	2.2	ug/m3			03/04/15 12:28	1
1,2-Dichlorobenzene	ND		12	4.2	ug/m3			03/04/15 12:28	1
1,2-Dichloroethane	ND		8.1	1.9	ug/m3			03/04/15 12:28	1
1,2-Dichloropropane	ND		9.2	2.4	ug/m3			03/04/15 12:28	1

Client Sample ID: G-150225-RA-02
Lab Sample ID: 140-2808-2
Date Collected: 02/25/15 11:19
Matrix: Air
Date Received: 03/02/15 10:30
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	**3.2**	**J**	9.8	3.2	ug/m3			03/04/15 12:28	1
1,3-Dichlorobenzene	ND		12	3.9	ug/m3			03/04/15 12:28	1
1,4-Dichlorobenzene	ND		12	3.8	ug/m3			03/04/15 12:28	1
1,4-Dioxane	ND		180	2.9	ug/m3			03/04/15 12:28	1
2-Butanone (MEK)	**49**		29	5.9	ug/m3			03/04/15 12:28	1
4-Methyl-2-pentanone (MIBK)	**17**	**J**	20	1.8	ug/m3			03/04/15 12:28	1
Acetone	**61**	**J**	120	33	ug/m3			03/04/15 12:28	1
Benzene	**10**		6.4	1.8	ug/m3			03/04/15 12:28	1
Benzyl chloride	ND		41	4.0	ug/m3			03/04/15 12:28	1
Bromoform	ND		21	5.0	ug/m3			03/04/15 12:28	1
Bromomethane	ND		7.8	1.2	ug/m3			03/04/15 12:28	1
Carbon disulfide	**6.7**	**J**	16	0.97	ug/m3			03/04/15 12:28	1
Carbon tetrachloride	ND		13	2.4	ug/m3			03/04/15 12:28	1
Chlorobenzene	ND		9.2	2.3	ug/m3			03/04/15 12:28	1
Dibromochloromethane	ND		17	3.6	ug/m3			03/04/15 12:28	1
Chloroethane	ND		21	0.92	ug/m3			03/04/15 12:28	1
Chloroform	ND		9.8	1.9	ug/m3			03/04/15 12:28	1
Chloromethane	**4.0**	**J**	10	3.3	ug/m3			03/04/15 12:28	1
cis-1,2-Dichloroethene	ND		7.9	2.4	ug/m3			03/04/15 12:28	1
cis-1,3-Dichloropropene	ND		9.1	3.4	ug/m3			03/04/15 12:28	1
Cyclohexane	**4.7**	**J**	17	1.4	ug/m3			03/04/15 12:28	1
Bromodichloromethane	ND		13	2.9	ug/m3			03/04/15 12:28	1
Dichlorodifluoromethane	ND		25	3.4	ug/m3			03/04/15 12:28	1
Ethylbenzene	**4.1**	**J**	8.7	3.0	ug/m3			03/04/15 12:28	1
1,2-Dibromoethane (EDB)	ND		15	3.4	ug/m3			03/04/15 12:28	1
Hexachlorobutadiene	ND		21	8.3	ug/m3			03/04/15 12:28	1
Hexane	**9.1**	**J**	28	1.1	ug/m3			03/04/15 12:28	1
Isopropyl alcohol	**6.5**	**J**	120	2.3	ug/m3			03/04/15 12:28	1
Isopropylbenzene	ND		39	2.9	ug/m3			03/04/15 12:28	1
m-Xylene & p-Xylene	**14**	**J**	35	5.2	ug/m3			03/04/15 12:28	1
Methyl tert-butyl ether	ND		36	6.1	ug/m3			03/04/15 12:28	1
Methylene Chloride	**6.2**	**J B**	17	4.5	ug/m3			03/04/15 12:28	1
Naphthalene	ND		26	4.7	ug/m3			03/04/15 12:28	1
o-Xylene	**4.4**	**J**	8.7	2.6	ug/m3			03/04/15 12:28	1
Styrene	ND		8.5	2.5	ug/m3			03/04/15 12:28	1
Tetrachloroethene	**36**		14	2.7	ug/m3			03/04/15 12:28	1
Tetrahydrofuran	**1.9**	**J**	150	1.9	ug/m3			03/04/15 12:28	1
Toluene	**14**		7.5	4.5	ug/m3			03/04/15 12:28	1
trans-1,2-Dichloroethene	ND		7.9	2.0	ug/m3			03/04/15 12:28	1
trans-1,3-Dichloropropene	ND		9.1	2.2	ug/m3			03/04/15 12:28	1
Trichloroethene	ND		11	1.9	ug/m3			03/04/15 12:28	1
Trichlorofluoromethane	ND		11	1.3	ug/m3			03/04/15 12:28	1
Vinyl acetate	ND		180	4.9	ug/m3			03/04/15 12:28	1
Vinyl bromide	ND		8.7	1.5	ug/m3			03/04/15 12:28	1
Vinyl chloride	ND		5.1	1.8	ug/m3			03/04/15 12:28	1

Client Sample ID: G-150225-RA-03
Lab Sample ID: 140-2808-3
Date Collected: 02/25/15 12:30
Matrix: Air
Date Received: 03/02/15 10:30
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	0.30	ppb v/v			03/04/15 13:13	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.61	ppb v/v			03/04/15 13:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.31	ppb v/v			03/04/15 13:13	1
1,1,2-Trichloroethane	ND		2.0	0.54	ppb v/v			03/04/15 13:13	1
1,1-Dichloroethane	ND		2.0	0.26	ppb v/v			03/04/15 13:13	1
1,1-Dichloroethene	ND		2.0	0.34	ppb v/v			03/04/15 13:13	1
1,2,4-Trichlorobenzene	ND		20	0.98	ppb v/v			03/04/15 13:13	1
1,2,4-Trimethylbenzene	**17**		2.0	0.63	ppb v/v			03/04/15 13:13	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0	0.32	ppb v/v			03/04/15 13:13	1
1,2-Dichlorobenzene	ND		2.0	0.70	ppb v/v			03/04/15 13:13	1
1,2-Dichloroethane	ND		2.0	0.47	ppb v/v			03/04/15 13:13	1
1,2-Dichloropropane	ND		2.0	0.52	ppb v/v			03/04/15 13:13	1
1,3,5-Trimethylbenzene	**3.6**		2.0	0.65	ppb v/v			03/04/15 13:13	1
1,3-Dichlorobenzene	ND		2.0	0.65	ppb v/v			03/04/15 13:13	1
1,4-Dichlorobenzene	ND		2.0	0.64	ppb v/v			03/04/15 13:13	1
1,4-Dioxane	ND		50	0.80	ppb v/v			03/04/15 13:13	1
2-Butanone (MEK)	**64**		10	2.0	ppb v/v			03/04/15 13:13	1
4-Methyl-2-pentanone (MIBK)	**5.5**		5.0	0.45	ppb v/v			03/04/15 13:13	1
Acetone	**110**		50	14	ppb v/v			03/04/15 13:13	1
Benzene	**5.4**		2.0	0.56	ppb v/v			03/04/15 13:13	1
Benzyl chloride	ND		8.0	0.78	ppb v/v			03/04/15 13:13	1
Bromoform	ND		2.0	0.48	ppb v/v			03/04/15 13:13	1
Bromomethane	ND		2.0	0.32	ppb v/v			03/04/15 13:13	1
Carbon disulfide	**1.2**	**J**	5.0	0.31	ppb v/v			03/04/15 13:13	1
Carbon tetrachloride	ND		2.0	0.38	ppb v/v			03/04/15 13:13	1
Chlorobenzene	ND		2.0	0.49	ppb v/v			03/04/15 13:13	1
Dibromochloromethane	ND		2.0	0.42	ppb v/v			03/04/15 13:13	1
Chloroethane	ND		8.0	0.35	ppb v/v			03/04/15 13:13	1
Chloroform	ND		2.0	0.38	ppb v/v			03/04/15 13:13	1
Chloromethane	ND		5.0	1.6	ppb v/v			03/04/15 13:13	1
cis-1,2-Dichloroethene	ND		2.0	0.60	ppb v/v			03/04/15 13:13	1
cis-1,3-Dichloropropene	ND		2.0	0.74	ppb v/v			03/04/15 13:13	1
Cyclohexane	**2.5**	**J**	5.0	0.40	ppb v/v			03/04/15 13:13	1
Bromodichloromethane	ND		2.0	0.44	ppb v/v			03/04/15 13:13	1
Dichlorodifluoromethane	ND		5.0	0.68	ppb v/v			03/04/15 13:13	1
Ethylbenzene	**5.7**		2.0	0.68	ppb v/v			03/04/15 13:13	1
1,2-Dibromoethane (EDB)	ND		2.0	0.44	ppb v/v			03/04/15 13:13	1
Hexachlorobutadiene	ND		2.0	0.78	ppb v/v			03/04/15 13:13	1
Hexane	**2.8**	**J**	8.0	0.32	ppb v/v			03/04/15 13:13	1
Isopropyl alcohol	**9.2**	**J**	50	0.94	ppb v/v			03/04/15 13:13	1
Isopropylbenzene	**1.3**	**J**	8.0	0.60	ppb v/v			03/04/15 13:13	1
m-Xylene & p-Xylene	**20**		8.0	1.2	ppb v/v			03/04/15 13:13	1
Methyl tert-butyl ether	ND		10	1.7	ppb v/v			03/04/15 13:13	1
Methylene Chloride	**2.3**	**J B**	5.0	1.3	ppb v/v			03/04/15 13:13	1
Naphthalene	ND		5.0	0.90	ppb v/v			03/04/15 13:13	1
o-Xylene	**6.3**		2.0	0.61	ppb v/v			03/04/15 13:13	1
Styrene	**2.5**		2.0	0.58	ppb v/v			03/04/15 13:13	1
Tetrachloroethene	**35**		2.0	0.40	ppb v/v			03/04/15 13:13	1

Client Sample ID: G-150225-RA-03
Date Collected: 02/25/15 12:30
Date Received: 03/02/15 10:30
Sample Container: Summa Canister 1L

Lab Sample ID: 140-2808-3
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	**3.6**	**J**	50	0.63	ppb v/v			03/04/15 13:13	1
Toluene	**13**		2.0	1.2	ppb v/v			03/04/15 13:13	1
trans-1,2-Dichloroethene	ND		2.0	0.50	ppb v/v			03/04/15 13:13	1
trans-1,3-Dichloropropene	ND		2.0	0.48	ppb v/v			03/04/15 13:13	1
Trichloroethene	**0.38**	**J**	2.0	0.36	ppb v/v			03/04/15 13:13	1
Trichlorofluoromethane	**0.28**	**J**	2.0	0.24	ppb v/v			03/04/15 13:13	1
Vinyl acetate	ND		50	1.4	ppb v/v			03/04/15 13:13	1
Vinyl bromide	ND		2.0	0.35	ppb v/v			03/04/15 13:13	1
Vinyl chloride	ND		2.0	0.71	ppb v/v			03/04/15 13:13	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		11	1.6	ug/m3			03/04/15 13:13	1
1,1,2,2-Tetrachloroethane	ND		14	4.2	ug/m3			03/04/15 13:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		15	2.4	ug/m3			03/04/15 13:13	1
1,1,2-Trichloroethane	ND		11	2.9	ug/m3			03/04/15 13:13	1
1,1-Dichloroethane	ND		8.1	1.1	ug/m3			03/04/15 13:13	1
1,1-Dichloroethene	ND		7.9	1.3	ug/m3			03/04/15 13:13	1
1,2,4-Trichlorobenzene	ND		150	7.3	ug/m3			03/04/15 13:13	1
1,2,4-Trimethylbenzene	**83**		9.8	3.1	ug/m3			03/04/15 13:13	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		14	2.2	ug/m3			03/04/15 13:13	1
1,2-Dichlorobenzene	ND		12	4.2	ug/m3			03/04/15 13:13	1
1,2-Dichloroethane	ND		8.1	1.9	ug/m3			03/04/15 13:13	1
1,2-Dichloropropane	ND		9.2	2.4	ug/m3			03/04/15 13:13	1
1,3,5-Trimethylbenzene	**18**		9.8	3.2	ug/m3			03/04/15 13:13	1
1,3-Dichlorobenzene	ND		12	3.9	ug/m3			03/04/15 13:13	1
1,4-Dichlorobenzene	ND		12	3.8	ug/m3			03/04/15 13:13	1
1,4-Dioxane	ND		180	2.9	ug/m3			03/04/15 13:13	1
2-Butanone (MEK)	**190**		29	5.9	ug/m3			03/04/15 13:13	1
4-Methyl-2-pentanone (MIBK)	**23**		20	1.8	ug/m3			03/04/15 13:13	1
Acetone	**270**		120	33	ug/m3			03/04/15 13:13	1
Benzene	**17**		6.4	1.8	ug/m3			03/04/15 13:13	1
Benzyl chloride	ND		41	4.0	ug/m3			03/04/15 13:13	1
Bromoform	ND		21	5.0	ug/m3			03/04/15 13:13	1
Bromomethane	ND		7.8	1.2	ug/m3			03/04/15 13:13	1
Carbon disulfide	**3.8**	**J**	16	0.97	ug/m3			03/04/15 13:13	1
Carbon tetrachloride	ND		13	2.4	ug/m3			03/04/15 13:13	1
Chlorobenzene	ND		9.2	2.3	ug/m3			03/04/15 13:13	1
Dibromochloromethane	ND		17	3.6	ug/m3			03/04/15 13:13	1
Chloroethane	ND		21	0.92	ug/m3			03/04/15 13:13	1
Chloroform	ND		9.8	1.9	ug/m3			03/04/15 13:13	1
Chloromethane	ND		10	3.3	ug/m3			03/04/15 13:13	1
cis-1,2-Dichloroethene	ND		7.9	2.4	ug/m3			03/04/15 13:13	1
cis-1,3-Dichloropropene	ND		9.1	3.4	ug/m3			03/04/15 13:13	1
Cyclohexane	**8.5**	**J**	17	1.4	ug/m3			03/04/15 13:13	1
Bromodichloromethane	ND		13	2.9	ug/m3			03/04/15 13:13	1
Dichlorodifluoromethane	ND		25	3.4	ug/m3			03/04/15 13:13	1
Ethylbenzene	**25**		8.7	3.0	ug/m3			03/04/15 13:13	1
1,2-Dibromoethane (EDB)	ND		15	3.4	ug/m3			03/04/15 13:13	1
Hexachlorobutadiene	ND		21	8.3	ug/m3			03/04/15 13:13	1

Client Sample ID: G-150225-RA-03 **Lab Sample ID: 140-2808-3**
Date Collected: 02/25/15 12:30 **Matrix: Air**
Date Received: 03/02/15 10:30
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexane	10	J	28	1.1	ug/m3			03/04/15 13:13	1
Isopropyl alcohol	23	J	120	2.3	ug/m3			03/04/15 13:13	1
Isopropylbenzene	6.4	J	39	2.9	ug/m3			03/04/15 13:13	1
m-Xylene & p-Xylene	88		35	5.2	ug/m3			03/04/15 13:13	1
Methyl tert-butyl ether	ND		36	6.1	ug/m3			03/04/15 13:13	1
Methylene Chloride	7.9	J B	17	4.5	ug/m3			03/04/15 13:13	1
Naphthalene	ND		26	4.7	ug/m3			03/04/15 13:13	1
o-Xylene	27		8.7	2.6	ug/m3			03/04/15 13:13	1
Styrene	11		8.5	2.5	ug/m3			03/04/15 13:13	1
Tetrachloroethene	240		14	2.7	ug/m3			03/04/15 13:13	1
Tetrahydrofuran	11	J	150	1.9	ug/m3			03/04/15 13:13	1
Toluene	49		7.5	4.5	ug/m3			03/04/15 13:13	1
trans-1,2-Dichloroethene	ND		7.9	2.0	ug/m3			03/04/15 13:13	1
trans-1,3-Dichloropropene	ND		9.1	2.2	ug/m3			03/04/15 13:13	1
Trichloroethene	2.0	J	11	1.9	ug/m3			03/04/15 13:13	1
Trichlorofluoromethane	1.6	J	11	1.3	ug/m3			03/04/15 13:13	1
Vinyl acetate	ND		180	4.9	ug/m3			03/04/15 13:13	1
Vinyl bromide	ND		8.7	1.5	ug/m3			03/04/15 13:13	1
Vinyl chloride	ND		5.1	1.8	ug/m3			03/04/15 13:13	1

Client Sample ID: G-150225-RA-04 **Lab Sample ID: 140-2808-4**
Date Collected: 02/25/15 15:32 **Matrix: Air**
Date Received: 03/02/15 10:30
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.1	0.77	ppb v/v			03/04/15 13:58	3.83
1,1,2,2-Tetrachloroethane	ND		5.1	1.6	ppb v/v			03/04/15 13:58	3.83
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	0.79	ppb v/v			03/04/15 13:58	3.83
1,1,2-Trichloroethane	ND		5.1	1.4	ppb v/v			03/04/15 13:58	3.83
1,1-Dichloroethane	ND		5.1	0.66	ppb v/v			03/04/15 13:58	3.83
1,1-Dichloroethene	ND		5.1	0.87	ppb v/v			03/04/15 13:58	3.83
1,2,4-Trichlorobenzene	ND		51	2.5	ppb v/v			03/04/15 13:58	3.83
1,2,4-Trimethylbenzene	75		5.1	1.6	ppb v/v			03/04/15 13:58	3.83
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		5.1	0.82	ppb v/v			03/04/15 13:58	3.83
1,2-Dichlorobenzene	ND		5.1	1.8	ppb v/v			03/04/15 13:58	3.83
1,2-Dichloroethane	ND		5.1	1.2	ppb v/v			03/04/15 13:58	3.83
1,2-Dichloropropane	ND		5.1	1.3	ppb v/v			03/04/15 13:58	3.83
1,3,5-Trimethylbenzene	17		5.1	1.7	ppb v/v			03/04/15 13:58	3.83
1,3-Dichlorobenzene	ND		5.1	1.7	ppb v/v			03/04/15 13:58	3.83
1,4-Dichlorobenzene	ND		5.1	1.6	ppb v/v			03/04/15 13:58	3.83
1,4-Dioxane	ND		130	2.0	ppb v/v			03/04/15 13:58	3.83
2-Butanone (MEK)	560		26	5.1	ppb v/v			03/04/15 13:58	3.83
4-Methyl-2-pentanone (MIBK)	13		13	1.1	ppb v/v			03/04/15 13:58	3.83
Acetone	3200	E	130	36	ppb v/v			03/04/15 13:58	3.83
Benzene	13		5.1	1.4	ppb v/v			03/04/15 13:58	3.83
Benzyl chloride	ND		20	2.0	ppb v/v			03/04/15 13:58	3.83
Bromoform	ND		5.1	1.2	ppb v/v			03/04/15 13:58	3.83

Client Sample ID: G-150225-RA-04
Lab Sample ID: 140-2808-4
Date Collected: 02/25/15 15:32
Matrix: Air
Date Received: 03/02/15 10:30
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		5.1	0.82	ppb v/v			03/04/15 13:58	3.83
Carbon disulfide	**9.7**	**J**	13	0.79	ppb v/v			03/04/15 13:58	3.83
Carbon tetrachloride	**0.98**	**J**	5.1	0.97	ppb v/v			03/04/15 13:58	3.83
Chlorobenzene	ND		5.1	1.3	ppb v/v			03/04/15 13:58	3.83
Dibromochloromethane	ND		5.1	1.1	ppb v/v			03/04/15 13:58	3.83
Chloroethane	ND		20	0.89	ppb v/v			03/04/15 13:58	3.83
Chloroform	**1.7**	**J**	5.1	0.97	ppb v/v			03/04/15 13:58	3.83
Chloromethane	ND		13	4.1	ppb v/v			03/04/15 13:58	3.83
cis-1,2-Dichloroethene	ND		5.1	1.5	ppb v/v			03/04/15 13:58	3.83
cis-1,3-Dichloropropene	ND		5.1	1.9	ppb v/v			03/04/15 13:58	3.83
Cyclohexane	ND		13	1.0	ppb v/v			03/04/15 13:58	3.83
Bromodichloromethane	ND		5.1	1.1	ppb v/v			03/04/15 13:58	3.83
Dichlorodifluoromethane	ND		13	1.7	ppb v/v			03/04/15 13:58	3.83
Ethylbenzene	**22**		5.1	1.7	ppb v/v			03/04/15 13:58	3.83
1,2-Dibromoethane (EDB)	ND		5.1	1.1	ppb v/v			03/04/15 13:58	3.83
Hexachlorobutadiene	ND		5.1	2.0	ppb v/v			03/04/15 13:58	3.83
Hexane	**6.3**	**J**	20	0.82	ppb v/v			03/04/15 13:58	3.83
Isopropyl alcohol	**190**		130	2.4	ppb v/v			03/04/15 13:58	3.83
Isopropylbenzene	**5.4**	**J**	20	1.5	ppb v/v			03/04/15 13:58	3.83
m-Xylene & p-Xylene	**81**		20	3.1	ppb v/v			03/04/15 13:58	3.83
Methyl tert-butyl ether	ND		26	4.3	ppb v/v			03/04/15 13:58	3.83
Methylene Chloride	**5.4**	**J B**	13	3.3	ppb v/v			03/04/15 13:58	3.83
Naphthalene	ND		13	2.3	ppb v/v			03/04/15 13:58	3.83
o-Xylene	**26**		5.1	1.6	ppb v/v			03/04/15 13:58	3.83
Styrene	**6.6**		5.1	1.5	ppb v/v			03/04/15 13:58	3.83
Tetrachloroethene	**320**		5.1	1.0	ppb v/v			03/04/15 13:58	3.83
Tetrahydrofuran	**11**	**J**	130	1.6	ppb v/v			03/04/15 13:58	3.83
Toluene	**160**		5.1	3.1	ppb v/v			03/04/15 13:58	3.83
trans-1,2-Dichloroethene	ND		5.1	1.3	ppb v/v			03/04/15 13:58	3.83
trans-1,3-Dichloropropene	ND		5.1	1.2	ppb v/v			03/04/15 13:58	3.83
Trichloroethene	**2.5**	**J**	5.1	0.92	ppb v/v			03/04/15 13:58	3.83
Trichlorofluoromethane	ND		5.1	0.61	ppb v/v			03/04/15 13:58	3.83
Vinyl acetate	ND		130	3.6	ppb v/v			03/04/15 13:58	3.83
Vinyl bromide	ND		5.1	0.89	ppb v/v			03/04/15 13:58	3.83
Vinyl chloride	ND		5.1	1.8	ppb v/v			03/04/15 13:58	3.83

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		28	4.2	ug/m3			03/04/15 13:58	3.83
1,1,2,2-Tetrachloroethane	ND		35	11	ug/m3			03/04/15 13:58	3.83
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		39	6.1	ug/m3			03/04/15 13:58	3.83
1,1,2-Trichloroethane	ND		28	7.5	ug/m3			03/04/15 13:58	3.83
1,1-Dichloroethane	ND		21	2.7	ug/m3			03/04/15 13:58	3.83
1,1-Dichloroethene	ND		20	3.4	ug/m3			03/04/15 13:58	3.83
1,2,4-Trichlorobenzene	ND		380	19	ug/m3			03/04/15 13:58	3.83
1,2,4-Trimethylbenzene	**370**		25	7.9	ug/m3			03/04/15 13:58	3.83
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		36	5.7	ug/m3			03/04/15 13:58	3.83
1,2-Dichlorobenzene	ND		31	11	ug/m3			03/04/15 13:58	3.83
1,2-Dichloroethane	ND		21	4.9	ug/m3			03/04/15 13:58	3.83
1,2-Dichloropropane	ND		24	6.1	ug/m3			03/04/15 13:58	3.83

Client Sample ID: G-150225-RA-04
Lab Sample ID: 140-2808-4
Date Collected: 02/25/15 15:32
Matrix: Air
Date Received: 03/02/15 10:30
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	**86**		25	8.2	ug/m3			03/04/15 13:58	3.83
1,3-Dichlorobenzene	ND		31	10	ug/m3			03/04/15 13:58	3.83
1,4-Dichlorobenzene	ND		31	9.8	ug/m3			03/04/15 13:58	3.83
1,4-Dioxane	ND		460	7.4	ug/m3			03/04/15 13:58	3.83
2-Butanone (MEK)	**1600**		75	15	ug/m3			03/04/15 13:58	3.83
4-Methyl-2-pentanone (MIBK)	**54**		52	4.7	ug/m3			03/04/15 13:58	3.83
Acetone	**7600**	E	300	85	ug/m3			03/04/15 13:58	3.83
Benzene	**40**		16	4.6	ug/m3			03/04/15 13:58	3.83
Benzyl chloride	ND		110	10	ug/m3			03/04/15 13:58	3.83
Bromoform	ND		53	13	ug/m3			03/04/15 13:58	3.83
Bromomethane	ND		20	3.2	ug/m3			03/04/15 13:58	3.83
Carbon disulfide	**30**	J	40	2.5	ug/m3			03/04/15 13:58	3.83
Carbon tetrachloride	**6.2**	J	32	6.1	ug/m3			03/04/15 13:58	3.83
Chlorobenzene	ND		24	5.8	ug/m3			03/04/15 13:58	3.83
Dibromochloromethane	ND		44	9.1	ug/m3			03/04/15 13:58	3.83
Chloroethane	ND		54	2.4	ug/m3			03/04/15 13:58	3.83
Chloroform	**8.3**	J	25	4.7	ug/m3			03/04/15 13:58	3.83
Chloromethane	ND		26	8.4	ug/m3			03/04/15 13:58	3.83
cis-1,2-Dichloroethene	ND		20	6.1	ug/m3			03/04/15 13:58	3.83
cis-1,3-Dichloropropene	ND		23	8.6	ug/m3			03/04/15 13:58	3.83
Cyclohexane	ND		44	3.5	ug/m3			03/04/15 13:58	3.83
Bromodichloromethane	ND		34	7.5	ug/m3			03/04/15 13:58	3.83
Dichlorodifluoromethane	ND		63	8.6	ug/m3			03/04/15 13:58	3.83
Ethylbenzene	**97**		22	7.5	ug/m3			03/04/15 13:58	3.83
1,2-Dibromoethane (EDB)	ND		39	8.6	ug/m3			03/04/15 13:58	3.83
Hexachlorobutadiene	ND		54	21	ug/m3			03/04/15 13:58	3.83
Hexane	**22**	J	72	2.9	ug/m3			03/04/15 13:58	3.83
Isopropyl alcohol	**470**		310	5.9	ug/m3			03/04/15 13:58	3.83
Isopropylbenzene	**27**	J	100	7.5	ug/m3			03/04/15 13:58	3.83
m-Xylene & p-Xylene	**350**		89	13	ug/m3			03/04/15 13:58	3.83
Methyl tert-butyl ether	ND		92	16	ug/m3			03/04/15 13:58	3.83
Methylene Chloride	**19**	J B	44	12	ug/m3			03/04/15 13:58	3.83
Naphthalene	ND		67	12	ug/m3			03/04/15 13:58	3.83
o-Xylene	**110**		22	6.8	ug/m3			03/04/15 13:58	3.83
Styrene	**28**		22	6.3	ug/m3			03/04/15 13:58	3.83
Tetrachloroethene	**2200**		35	6.9	ug/m3			03/04/15 13:58	3.83
Tetrahydrofuran	**33**	J	380	4.7	ug/m3			03/04/15 13:58	3.83
Toluene	**610**		19	12	ug/m3			03/04/15 13:58	3.83
trans-1,2-Dichloroethene	ND		20	5.1	ug/m3			03/04/15 13:58	3.83
trans-1,3-Dichloropropene	ND		23	5.6	ug/m3			03/04/15 13:58	3.83
Trichloroethene	**13**	J	27	4.9	ug/m3			03/04/15 13:58	3.83
Trichlorofluoromethane	ND		29	3.4	ug/m3			03/04/15 13:58	3.83
Vinyl acetate	ND		450	13	ug/m3			03/04/15 13:58	3.83
Vinyl bromide	ND		22	3.9	ug/m3			03/04/15 13:58	3.83
Vinyl chloride	ND		13	4.6	ug/m3			03/04/15 13:58	3.83

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**1500**		190	54	ppb v/v			03/05/15 03:25	3.83

Client Sample ID: G-150225-RA-04 — **Lab Sample ID: 140-2808-4**
Date Collected: 02/25/15 15:32 — **Matrix: Air**
Date Received: 03/02/15 10:30
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3700		450	130	ug/m3			03/05/15 03:25	3.83

Client Sample ID: G-150225-RA-05 — **Lab Sample ID: 140-2808-5**
Date Collected: 02/25/15 16:27 — **Matrix: Air**
Date Received: 03/02/15 10:30
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		19	2.9	ppb v/v			03/04/15 14:44	12.08
1,1,2,2-Tetrachloroethane	ND		19	5.9	ppb v/v			03/04/15 14:44	12.08
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		19	3.0	ppb v/v			03/04/15 14:44	12.08
1,1,2-Trichloroethane	ND		19	5.2	ppb v/v			03/04/15 14:44	12.08
1,1-Dichloroethane	ND		19	2.5	ppb v/v			03/04/15 14:44	12.08
1,1-Dichloroethene	ND		19	3.3	ppb v/v			03/04/15 14:44	12.08
1,2,4-Trichlorobenzene	ND		190	9.5	ppb v/v			03/04/15 14:44	12.08
1,2,4-Trimethylbenzene	**13**	**J**	19	6.1	ppb v/v			03/04/15 14:44	12.08
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		19	3.1	ppb v/v			03/04/15 14:44	12.08
1,2-Dichlorobenzene	ND		19	6.8	ppb v/v			03/04/15 14:44	12.08
1,2-Dichloroethane	ND		19	4.5	ppb v/v			03/04/15 14:44	12.08
1,2-Dichloropropane	ND		19	5.0	ppb v/v			03/04/15 14:44	12.08
1,3,5-Trimethylbenzene	ND		19	6.3	ppb v/v			03/04/15 14:44	12.08
1,3-Dichlorobenzene	ND		19	6.3	ppb v/v			03/04/15 14:44	12.08
1,4-Dichlorobenzene	ND		19	6.2	ppb v/v			03/04/15 14:44	12.08
1,4-Dioxane	ND		480	7.7	ppb v/v			03/04/15 14:44	12.08
2-Butanone (MEK)	ND		97	19	ppb v/v			03/04/15 14:44	12.08
4-Methyl-2-pentanone (MIBK)	ND		48	4.3	ppb v/v			03/04/15 14:44	12.08
Acetone	**170**	**J**	480	140	ppb v/v			03/04/15 14:44	12.08
Benzene	**9.4**	**J**	19	5.4	ppb v/v			03/04/15 14:44	12.08
Benzyl chloride	ND		77	7.5	ppb v/v			03/04/15 14:44	12.08
Bromoform	ND		19	4.6	ppb v/v			03/04/15 14:44	12.08
Bromomethane	ND		19	3.1	ppb v/v			03/04/15 14:44	12.08
Carbon disulfide	**28**	**J**	48	3.0	ppb v/v			03/04/15 14:44	12.08
Carbon tetrachloride	ND		19	3.7	ppb v/v			03/04/15 14:44	12.08
Chlorobenzene	ND		19	4.7	ppb v/v			03/04/15 14:44	12.08
Dibromochloromethane	ND		19	4.1	ppb v/v			03/04/15 14:44	12.08
Chloroethane	ND		77	3.4	ppb v/v			03/04/15 14:44	12.08
Chloroform	ND		19	3.7	ppb v/v			03/04/15 14:44	12.08
Chloromethane	ND		48	15	ppb v/v			03/04/15 14:44	12.08
cis-1,2-Dichloroethene	ND		19	5.8	ppb v/v			03/04/15 14:44	12.08
cis-1,3-Dichloropropene	ND		19	7.2	ppb v/v			03/04/15 14:44	12.08
Cyclohexane	ND		48	3.9	ppb v/v			03/04/15 14:44	12.08
Bromodichloromethane	ND		19	4.3	ppb v/v			03/04/15 14:44	12.08
Dichlorodifluoromethane	ND		48	6.6	ppb v/v			03/04/15 14:44	12.08
Ethylbenzene	**9.4**	**J**	19	6.6	ppb v/v			03/04/15 14:44	12.08
1,2-Dibromoethane (EDB)	ND		19	4.3	ppb v/v			03/04/15 14:44	12.08
Hexachlorobutadiene	ND		19	7.5	ppb v/v			03/04/15 14:44	12.08
Hexane	**3.6**	**J**	77	3.1	ppb v/v			03/04/15 14:44	12.08
Isopropyl alcohol	**13**	**J**	480	9.1	ppb v/v			03/04/15 14:44	12.08
Isopropylbenzene	ND		77	5.8	ppb v/v			03/04/15 14:44	12.08

Client Sample ID: G-150225-RA-05
Lab Sample ID: 140-2808-5
Date Collected: 02/25/15 16:27
Matrix: Air
Date Received: 03/02/15 10:30
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	**29**	**J**	77	12	ppb v/v			03/04/15 14:44	12.08
Methyl tert-butyl ether	ND		97	16	ppb v/v			03/04/15 14:44	12.08
Methylene Chloride	**17**	**J B**	48	13	ppb v/v			03/04/15 14:44	12.08
Naphthalene	ND		48	8.7	ppb v/v			03/04/15 14:44	12.08
o-Xylene	**9.7**	**J**	19	5.9	ppb v/v			03/04/15 14:44	12.08
Styrene	ND		19	5.6	ppb v/v			03/04/15 14:44	12.08
Tetrachloroethene	**960**		19	3.9	ppb v/v			03/04/15 14:44	12.08
Tetrahydrofuran	ND		480	6.1	ppb v/v			03/04/15 14:44	12.08
Toluene	**34**		19	12	ppb v/v			03/04/15 14:44	12.08
trans-1,2-Dichloroethene	ND		19	4.8	ppb v/v			03/04/15 14:44	12.08
trans-1,3-Dichloropropene	ND		19	4.6	ppb v/v			03/04/15 14:44	12.08
Trichloroethene	ND		19	3.5	ppb v/v			03/04/15 14:44	12.08
Trichlorofluoromethane	ND		19	2.3	ppb v/v			03/04/15 14:44	12.08
Vinyl acetate	ND		480	14	ppb v/v			03/04/15 14:44	12.08
Vinyl bromide	ND		19	3.4	ppb v/v			03/04/15 14:44	12.08
Vinyl chloride	ND		19	6.9	ppb v/v			03/04/15 14:44	12.08

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		110	16	ug/m3			03/04/15 14:44	12.08
1,1,2,2-Tetrachloroethane	ND		130	40	ug/m3			03/04/15 14:44	12.08
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		150	23	ug/m3			03/04/15 14:44	12.08
1,1,2-Trichloroethane	ND		110	28	ug/m3			03/04/15 14:44	12.08
1,1-Dichloroethane	ND		78	10	ug/m3			03/04/15 14:44	12.08
1,1-Dichloroethene	ND		77	13	ug/m3			03/04/15 14:44	12.08
1,2,4-Trichlorobenzene	ND		1400	70	ug/m3			03/04/15 14:44	12.08
1,2,4-Trimethylbenzene	**64**	**J**	95	30	ug/m3			03/04/15 14:44	12.08
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		140	22	ug/m3			03/04/15 14:44	12.08
1,2-Dichlorobenzene	ND		120	41	ug/m3			03/04/15 14:44	12.08
1,2-Dichloroethane	ND		78	18	ug/m3			03/04/15 14:44	12.08
1,2-Dichloropropane	ND		89	23	ug/m3			03/04/15 14:44	12.08
1,3,5-Trimethylbenzene	ND		95	31	ug/m3			03/04/15 14:44	12.08
1,3-Dichlorobenzene	ND		120	38	ug/m3			03/04/15 14:44	12.08
1,4-Dichlorobenzene	ND		120	37	ug/m3			03/04/15 14:44	12.08
1,4-Dioxane	ND		1700	28	ug/m3			03/04/15 14:44	12.08
2-Butanone (MEK)	ND		290	57	ug/m3			03/04/15 14:44	12.08
4-Methyl-2-pentanone (MIBK)	ND		200	18	ug/m3			03/04/15 14:44	12.08
Acetone	**400**	**J**	1100	320	ug/m3			03/04/15 14:44	12.08
Benzene	**30**	**J**	62	17	ug/m3			03/04/15 14:44	12.08
Benzyl chloride	ND		400	39	ug/m3			03/04/15 14:44	12.08
Bromoform	ND		200	48	ug/m3			03/04/15 14:44	12.08
Bromomethane	ND		75	12	ug/m3			03/04/15 14:44	12.08
Carbon disulfide	**87**	**J**	150	9.3	ug/m3			03/04/15 14:44	12.08
Carbon tetrachloride	ND		120	23	ug/m3			03/04/15 14:44	12.08
Chlorobenzene	ND		89	22	ug/m3			03/04/15 14:44	12.08
Dibromochloromethane	ND		160	35	ug/m3			03/04/15 14:44	12.08
Chloroethane	ND		200	8.9	ug/m3			03/04/15 14:44	12.08
Chloroform	ND		94	18	ug/m3			03/04/15 14:44	12.08
Chloromethane	ND		100	32	ug/m3			03/04/15 14:44	12.08
cis-1,2-Dichloroethene	ND		77	23	ug/m3			03/04/15 14:44	12.08

Client Sample ID: G-150225-RA-05 — **Lab Sample ID: 140-2808-5**
Date Collected: 02/25/15 16:27 — **Matrix: Air**
Date Received: 03/02/15 10:30
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		88	32	ug/m3			03/04/15 14:44	12.08
Cyclohexane	ND		170	13	ug/m3			03/04/15 14:44	12.08
Bromodichloromethane	ND		130	28	ug/m3			03/04/15 14:44	12.08
Dichlorodifluoromethane	ND		240	32	ug/m3			03/04/15 14:44	12.08
Ethylbenzene	**41**	**J**	84	29	ug/m3			03/04/15 14:44	12.08
1,2-Dibromoethane (EDB)	ND		150	33	ug/m3			03/04/15 14:44	12.08
Hexachlorobutadiene	ND		210	80	ug/m3			03/04/15 14:44	12.08
Hexane	**13**	**J**	270	11	ug/m3			03/04/15 14:44	12.08
Isopropyl alcohol	**33**	**J**	1200	22	ug/m3			03/04/15 14:44	12.08
Isopropylbenzene	ND		380	29	ug/m3			03/04/15 14:44	12.08
m-Xylene & p-Xylene	**130**	**J**	340	50	ug/m3			03/04/15 14:44	12.08
Methyl tert-butyl ether	ND		350	59	ug/m3			03/04/15 14:44	12.08
Methylene Chloride	**57**	**J B**	170	44	ug/m3			03/04/15 14:44	12.08
Naphthalene	ND		250	46	ug/m3			03/04/15 14:44	12.08
o-Xylene	**42**	**J**	84	26	ug/m3			03/04/15 14:44	12.08
Styrene	ND		82	24	ug/m3			03/04/15 14:44	12.08
Tetrachloroethene	**6500**		130	26	ug/m3			03/04/15 14:44	12.08
Tetrahydrofuran	ND		1400	18	ug/m3			03/04/15 14:44	12.08
Toluene	**130**		73	44	ug/m3			03/04/15 14:44	12.08
trans-1,2-Dichloroethene	ND		77	19	ug/m3			03/04/15 14:44	12.08
trans-1,3-Dichloropropene	ND		88	21	ug/m3			03/04/15 14:44	12.08
Trichloroethene	ND		100	19	ug/m3			03/04/15 14:44	12.08
Trichlorofluoromethane	ND		110	13	ug/m3			03/04/15 14:44	12.08
Vinyl acetate	ND		1700	48	ug/m3			03/04/15 14:44	12.08
Vinyl bromide	ND		85	15	ug/m3			03/04/15 14:44	12.08
Vinyl chloride	ND		49	18	ug/m3			03/04/15 14:44	12.08

Client Sample ID: G-150225-RA-06 — **Lab Sample ID: 140-2808-6**
Date Collected: 02/25/15 18:00 — **Matrix: Air**
Date Received: 03/02/15 10:30
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**23**		7.8	1.2	ppb v/v			03/04/15 15:30	3.88
1,1,2,2-Tetrachloroethane	ND		7.8	2.4	ppb v/v			03/04/15 15:30	3.88
1,1,2-Trichloro-1,2,2-trifluoroetha ne	**7.3**	**J**	7.8	1.2	ppb v/v			03/04/15 15:30	3.88
1,1,2-Trichloroethane	ND		7.8	2.1	ppb v/v			03/04/15 15:30	3.88
1,1-Dichloroethane	ND		7.8	1.0	ppb v/v			03/04/15 15:30	3.88
1,1-Dichloroethene	ND		7.8	1.3	ppb v/v			03/04/15 15:30	3.88
1,2,4-Trichlorobenzene	ND		78	3.8	ppb v/v			03/04/15 15:30	3.88
1,2,4-Trimethylbenzene	**14**		7.8	2.4	ppb v/v			03/04/15 15:30	3.88
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		7.8	1.2	ppb v/v			03/04/15 15:30	3.88
1,2-Dichlorobenzene	ND		7.8	2.7	ppb v/v			03/04/15 15:30	3.88
1,2-Dichloroethane	ND		7.8	1.8	ppb v/v			03/04/15 15:30	3.88
1,2-Dichloropropane	ND		7.8	2.0	ppb v/v			03/04/15 15:30	3.88
1,3,5-Trimethylbenzene	**3.1**	**J**	7.8	2.5	ppb v/v			03/04/15 15:30	3.88
1,3-Dichlorobenzene	ND		7.8	2.5	ppb v/v			03/04/15 15:30	3.88

Client Sample ID: G-150225-RA-06
Date Collected: 02/25/15 18:00
Date Received: 03/02/15 10:30
Sample Container: Summa Canister 1L

Lab Sample ID: 140-2808-6
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		7.8	2.5	ppb v/v			03/04/15 15:30	3.88
1,4-Dioxane	ND		190	3.1	ppb v/v			03/04/15 15:30	3.88
2-Butanone (MEK)	**150**		39	7.8	ppb v/v			03/04/15 15:30	3.88
4-Methyl-2-pentanone (MIBK)	**8.5**	**J**	19	1.7	ppb v/v			03/04/15 15:30	3.88
Acetone	**980**		190	54	ppb v/v			03/04/15 15:30	3.88
Benzene	**4.9**	**J**	7.8	2.2	ppb v/v			03/04/15 15:30	3.88
Benzyl chloride	ND		31	3.0	ppb v/v			03/04/15 15:30	3.88
Bromoform	ND		7.8	1.9	ppb v/v			03/04/15 15:30	3.88
Bromomethane	ND		7.8	1.2	ppb v/v			03/04/15 15:30	3.88
Carbon disulfide	**5.1**	**J**	19	1.2	ppb v/v			03/04/15 15:30	3.88
Carbon tetrachloride	ND		7.8	1.5	ppb v/v			03/04/15 15:30	3.88
Chlorobenzene	ND		7.8	1.9	ppb v/v			03/04/15 15:30	3.88
Dibromochloromethane	ND		7.8	1.6	ppb v/v			03/04/15 15:30	3.88
Chloroethane	ND		31	1.4	ppb v/v			03/04/15 15:30	3.88
Chloroform	**1.5**	**J**	7.8	1.5	ppb v/v			03/04/15 15:30	3.88
Chloromethane	ND		19	6.2	ppb v/v			03/04/15 15:30	3.88
cis-1,2-Dichloroethene	ND		7.8	2.3	ppb v/v			03/04/15 15:30	3.88
cis-1,3-Dichloropropene	ND		7.8	2.9	ppb v/v			03/04/15 15:30	3.88
Cyclohexane	**5.2**	**J**	19	1.6	ppb v/v			03/04/15 15:30	3.88
Bromodichloromethane	ND		7.8	1.7	ppb v/v			03/04/15 15:30	3.88
Dichlorodifluoromethane	ND		19	2.6	ppb v/v			03/04/15 15:30	3.88
Ethylbenzene	**4.6**	**J**	7.8	2.6	ppb v/v			03/04/15 15:30	3.88
1,2-Dibromoethane (EDB)	ND		7.8	1.7	ppb v/v			03/04/15 15:30	3.88
Hexachlorobutadiene	ND		7.8	3.0	ppb v/v			03/04/15 15:30	3.88
Hexane	**4.7**	**J**	31	1.2	ppb v/v			03/04/15 15:30	3.88
Isopropyl alcohol	**65**	**J**	190	3.6	ppb v/v			03/04/15 15:30	3.88
Isopropylbenzene	ND		31	2.3	ppb v/v			03/04/15 15:30	3.88
m-Xylene & p-Xylene	**17**	**J**	31	4.7	ppb v/v			03/04/15 15:30	3.88
Methyl tert-butyl ether	ND		39	6.6	ppb v/v			03/04/15 15:30	3.88
Methylene Chloride	**7.4**	**J B**	19	5.0	ppb v/v			03/04/15 15:30	3.88
Naphthalene	ND		19	3.5	ppb v/v			03/04/15 15:30	3.88
o-Xylene	**5.8**	**J**	7.8	2.4	ppb v/v			03/04/15 15:30	3.88
Styrene	ND		7.8	2.3	ppb v/v			03/04/15 15:30	3.88
Tetrachloroethene	**580**		7.8	1.6	ppb v/v			03/04/15 15:30	3.88
Tetrahydrofuran	**4.7**	**J**	190	2.4	ppb v/v			03/04/15 15:30	3.88
Toluene	**17**		7.8	4.7	ppb v/v			03/04/15 15:30	3.88
trans-1,2-Dichloroethene	ND		7.8	1.9	ppb v/v			03/04/15 15:30	3.88
trans-1,3-Dichloropropene	ND		7.8	1.9	ppb v/v			03/04/15 15:30	3.88
Trichloroethene	**140**		7.8	1.4	ppb v/v			03/04/15 15:30	3.88
Trichlorofluoromethane	ND		7.8	0.93	ppb v/v			03/04/15 15:30	3.88
Vinyl acetate	ND		190	5.4	ppb v/v			03/04/15 15:30	3.88
Vinyl bromide	ND		7.8	1.4	ppb v/v			03/04/15 15:30	3.88
Vinyl chloride	ND		7.8	2.8	ppb v/v			03/04/15 15:30	3.88

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**130**		42	6.4	ug/m3			03/04/15 15:30	3.88
1,1,2,2-Tetrachloroethane	ND		53	16	ug/m3			03/04/15 15:30	3.88
1,1,2-Trichloro-1,2,2-trifluoroetha ne	**56**	**J**	59	9.2	ug/m3			03/04/15 15:30	3.88

Client Sample ID: G-150225-RA-06
Lab Sample ID: 140-2808-6
Date Collected: 02/25/15 18:00
Matrix: Air
Date Received: 03/02/15 10:30
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		42	11	ug/m3			03/04/15 15:30	3.88
1,1-Dichloroethane	ND		31	4.1	ug/m3			03/04/15 15:30	3.88
1,1-Dichloroethene	ND		31	5.2	ug/m3			03/04/15 15:30	3.88
1,2,4-Trichlorobenzene	ND		580	28	ug/m3			03/04/15 15:30	3.88
1,2,4-Trimethylbenzene	**67**		38	12	ug/m3			03/04/15 15:30	3.88
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		54	8.7	ug/m3			03/04/15 15:30	3.88
1,2-Dichlorobenzene	ND		47	16	ug/m3			03/04/15 15:30	3.88
1,2-Dichloroethane	ND		31	7.4	ug/m3			03/04/15 15:30	3.88
1,2-Dichloropropane	ND		36	9.3	ug/m3			03/04/15 15:30	3.88
1,3,5-Trimethylbenzene	**15**	**J**	38	12	ug/m3			03/04/15 15:30	3.88
1,3-Dichlorobenzene	ND		47	15	ug/m3			03/04/15 15:30	3.88
1,4-Dichlorobenzene	ND		47	15	ug/m3			03/04/15 15:30	3.88
1,4-Dioxane	ND		700	11	ug/m3			03/04/15 15:30	3.88
2-Butanone (MEK)	**430**		110	23	ug/m3			03/04/15 15:30	3.88
4-Methyl-2-pentanone (MIBK)	**35**	**J**	79	7.2	ug/m3			03/04/15 15:30	3.88
Acetone	**2300**		460	130	ug/m3			03/04/15 15:30	3.88
Benzene	**16**	**J**	25	6.9	ug/m3			03/04/15 15:30	3.88
Benzyl chloride	ND		160	16	ug/m3			03/04/15 15:30	3.88
Bromoform	ND		80	19	ug/m3			03/04/15 15:30	3.88
Bromomethane	ND		30	4.8	ug/m3			03/04/15 15:30	3.88
Carbon disulfide	**16**	**J**	60	3.7	ug/m3			03/04/15 15:30	3.88
Carbon tetrachloride	ND		49	9.3	ug/m3			03/04/15 15:30	3.88
Chlorobenzene	ND		36	8.8	ug/m3			03/04/15 15:30	3.88
Dibromochloromethane	ND		66	14	ug/m3			03/04/15 15:30	3.88
Chloroethane	ND		82	3.6	ug/m3			03/04/15 15:30	3.88
Chloroform	**7.4**	**J**	38	7.2	ug/m3			03/04/15 15:30	3.88
Chloromethane	ND		40	13	ug/m3			03/04/15 15:30	3.88
cis-1,2-Dichloroethene	ND		31	9.2	ug/m3			03/04/15 15:30	3.88
cis-1,3-Dichloropropene	ND		35	13	ug/m3			03/04/15 15:30	3.88
Cyclohexane	**18**	**J**	67	5.3	ug/m3			03/04/15 15:30	3.88
Bromodichloromethane	ND		52	11	ug/m3			03/04/15 15:30	3.88
Dichlorodifluoromethane	ND		96	13	ug/m3			03/04/15 15:30	3.88
Ethylbenzene	**20**	**J**	34	11	ug/m3			03/04/15 15:30	3.88
1,2-Dibromoethane (EDB)	ND		60	13	ug/m3			03/04/15 15:30	3.88
Hexachlorobutadiene	ND		83	32	ug/m3			03/04/15 15:30	3.88
Hexane	**17**	**J**	110	4.4	ug/m3			03/04/15 15:30	3.88
Isopropyl alcohol	**160**	**J**	480	9.0	ug/m3			03/04/15 15:30	3.88
Isopropylbenzene	ND		150	11	ug/m3			03/04/15 15:30	3.88
m-Xylene & p-Xylene	**73**	**J**	130	20	ug/m3			03/04/15 15:30	3.88
Methyl tert-butyl ether	ND		140	24	ug/m3			03/04/15 15:30	3.88
Methylene Chloride	**26**	**J B**	67	18	ug/m3			03/04/15 15:30	3.88
Naphthalene	ND		100	18	ug/m3			03/04/15 15:30	3.88
o-Xylene	**25**	**J**	34	10	ug/m3			03/04/15 15:30	3.88
Styrene	ND		33	9.6	ug/m3			03/04/15 15:30	3.88
Tetrachloroethene	**3900**		53	11	ug/m3			03/04/15 15:30	3.88
Tetrahydrofuran	**14**	**J**	570	7.2	ug/m3			03/04/15 15:30	3.88
Toluene	**65**		29	18	ug/m3			03/04/15 15:30	3.88
trans-1,2-Dichloroethene	ND		31	7.7	ug/m3			03/04/15 15:30	3.88

Client Sample ID: G-150225-RA-06 **Lab Sample ID: 140-2808-6**

Date Collected: 02/25/15 18:00 **Matrix: Air**

Date Received: 03/02/15 10:30

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		35	8.5	ug/m3			03/04/15 15:30	3.88
Trichloroethene	**740**		42	7.5	ug/m3			03/04/15 15:30	3.88
Trichlorofluoromethane	ND		44	5.2	ug/m3			03/04/15 15:30	3.88
Vinyl acetate	ND		680	19	ug/m3			03/04/15 15:30	3.88
Vinyl bromide	ND		34	5.9	ug/m3			03/04/15 15:30	3.88
Vinyl chloride	ND		20	7.0	ug/m3			03/04/15 15:30	3.88

Client Sample ID: G-150225-RA-07 **Lab Sample ID: 140-2808-7**

Date Collected: 02/25/15 16:50 **Matrix: Air**

Date Received: 03/02/15 10:30

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**340**	J	970	140	ppb v/v			03/04/15 16:15	483.18
1,1,2,2-Tetrachloroethane	ND		970	290	ppb v/v			03/04/15 16:15	483.18
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		970	150	ppb v/v			03/04/15 16:15	483.18
1,1,2-Trichloroethane	ND		970	260	ppb v/v			03/04/15 16:15	483.18
1,1-Dichloroethane	ND		970	130	ppb v/v			03/04/15 16:15	483.18
1,1-Dichloroethene	ND		970	160	ppb v/v			03/04/15 16:15	483.18
1,2,4-Trichlorobenzene	ND		9700	470	ppb v/v			03/04/15 16:15	483.18
1,2,4-Trimethylbenzene	ND		970	300	ppb v/v			03/04/15 16:15	483.18
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		970	150	ppb v/v			03/04/15 16:15	483.18
1,2-Dichlorobenzene	ND		970	340	ppb v/v			03/04/15 16:15	483.18
1,2-Dichloroethane	ND		970	230	ppb v/v			03/04/15 16:15	483.18
1,2-Dichloropropane	ND		970	250	ppb v/v			03/04/15 16:15	483.18
1,3,5-Trimethylbenzene	ND		970	310	ppb v/v			03/04/15 16:15	483.18
1,3-Dichlorobenzene	ND		970	310	ppb v/v			03/04/15 16:15	483.18
1,4-Dichlorobenzene	ND		970	310	ppb v/v			03/04/15 16:15	483.18
1,4-Dioxane	ND		24000	390	ppb v/v			03/04/15 16:15	483.18
2-Butanone (MEK)	ND		4800	970	ppb v/v			03/04/15 16:15	483.18
4-Methyl-2-pentanone (MIBK)	ND		2400	220	ppb v/v			03/04/15 16:15	483.18
Acetone	ND		24000	6800	ppb v/v			03/04/15 16:15	483.18
Benzene	ND		970	270	ppb v/v			03/04/15 16:15	483.18
Benzyl chloride	ND		3900	380	ppb v/v			03/04/15 16:15	483.18
Bromoform	ND		970	230	ppb v/v			03/04/15 16:15	483.18
Bromomethane	ND		970	150	ppb v/v			03/04/15 16:15	483.18
Carbon disulfide	ND		2400	150	ppb v/v			03/04/15 16:15	483.18
Carbon tetrachloride	ND		970	180	ppb v/v			03/04/15 16:15	483.18
Chlorobenzene	ND		970	240	ppb v/v			03/04/15 16:15	483.18
Dibromochloromethane	ND		970	200	ppb v/v			03/04/15 16:15	483.18
Chloroethane	ND		3900	170	ppb v/v			03/04/15 16:15	483.18
Chloroform	**660**	J	970	180	ppb v/v			03/04/15 16:15	483.18
Chloromethane	ND		2400	770	ppb v/v			03/04/15 16:15	483.18
cis-1,2-Dichloroethene	**4600**		970	290	ppb v/v			03/04/15 16:15	483.18
cis-1,3-Dichloropropene	ND		970	360	ppb v/v			03/04/15 16:15	483.18
Cyclohexane	ND		2400	190	ppb v/v			03/04/15 16:15	483.18
Bromodichloromethane	ND		970	210	ppb v/v			03/04/15 16:15	483.18
Dichlorodifluoromethane	ND		2400	330	ppb v/v			03/04/15 16:15	483.18

Client Sample ID: G-150225-RA-07
Lab Sample ID: 140-2808-7
Date Collected: 02/25/15 16:50
Matrix: Air
Date Received: 03/02/15 10:30
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		970	330	ppb v/v			03/04/15 16:15	483.18
1,2-Dibromoethane (EDB)	ND		970	210	ppb v/v			03/04/15 16:15	483.18
Hexachlorobutadiene	ND		970	380	ppb v/v			03/04/15 16:15	483.18
Hexane	ND		3900	150	ppb v/v			03/04/15 16:15	483.18
Isopropyl alcohol	**1900**	**J**	24000	450	ppb v/v			03/04/15 16:15	483.18
Isopropylbenzene	ND		3900	290	ppb v/v			03/04/15 16:15	483.18
m-Xylene & p-Xylene	ND		3900	580	ppb v/v			03/04/15 16:15	483.18
Methyl tert-butyl ether	ND		4800	820	ppb v/v			03/04/15 16:15	483.18
Methylene Chloride	ND		2400	630	ppb v/v			03/04/15 16:15	483.18
Naphthalene	ND		2400	430	ppb v/v			03/04/15 16:15	483.18
o-Xylene	ND		970	290	ppb v/v			03/04/15 16:15	483.18
Styrene	ND		970	280	ppb v/v			03/04/15 16:15	483.18
Tetrachloroethene	**97000**		970	190	ppb v/v			03/04/15 16:15	483.18
Tetrahydrofuran	ND		24000	300	ppb v/v			03/04/15 16:15	483.18
Toluene	ND		970	580	ppb v/v			03/04/15 16:15	483.18
trans-1,2-Dichloroethene	**410**	**J**	970	240	ppb v/v			03/04/15 16:15	483.18
trans-1,3-Dichloropropene	ND		970	230	ppb v/v			03/04/15 16:15	483.18
Trichloroethene	**16000**		970	170	ppb v/v			03/04/15 16:15	483.18
Trichlorofluoromethane	ND		970	120	ppb v/v			03/04/15 16:15	483.18
Vinyl acetate	ND		24000	680	ppb v/v			03/04/15 16:15	483.18
Vinyl bromide	ND		970	170	ppb v/v			03/04/15 16:15	483.18
Vinyl chloride	ND		970	340	ppb v/v			03/04/15 16:15	483.18

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**1800**	**J**	5300	790	ug/m3			03/04/15 16:15	483.18
1,1,2,2-Tetrachloroethane	ND		6600	2000	ug/m3			03/04/15 16:15	483.18
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7400	1100	ug/m3			03/04/15 16:15	483.18
1,1,2-Trichloroethane	ND		5300	1400	ug/m3			03/04/15 16:15	483.18
1,1-Dichloroethane	ND		3900	510	ug/m3			03/04/15 16:15	483.18
1,1-Dichloroethene	ND		3800	650	ug/m3			03/04/15 16:15	483.18
1,2,4-Trichlorobenzene	ND		72000	3500	ug/m3			03/04/15 16:15	483.18
1,2,4-Trimethylbenzene	ND		4800	1500	ug/m3			03/04/15 16:15	483.18
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		6800	1100	ug/m3			03/04/15 16:15	483.18
1,2-Dichlorobenzene	ND		5800	2000	ug/m3			03/04/15 16:15	483.18
1,2-Dichloroethane	ND		3900	920	ug/m3			03/04/15 16:15	483.18
1,2-Dichloropropane	ND		4500	1200	ug/m3			03/04/15 16:15	483.18
1,3,5-Trimethylbenzene	ND		4800	1500	ug/m3			03/04/15 16:15	483.18
1,3-Dichlorobenzene	ND		5800	1900	ug/m3			03/04/15 16:15	483.18
1,4-Dichlorobenzene	ND		5800	1900	ug/m3			03/04/15 16:15	483.18
1,4-Dioxane	ND		87000	1400	ug/m3			03/04/15 16:15	483.18
2-Butanone (MEK)	ND		14000	2900	ug/m3			03/04/15 16:15	483.18
4-Methyl-2-pentanone (MIBK)	ND		9900	890	ug/m3			03/04/15 16:15	483.18
Acetone	ND		57000	16000	ug/m3			03/04/15 16:15	483.18
Benzene	ND		3100	860	ug/m3			03/04/15 16:15	483.18
Benzyl chloride	ND		20000	2000	ug/m3			03/04/15 16:15	483.18
Bromoform	ND		10000	2400	ug/m3			03/04/15 16:15	483.18
Bromomethane	ND		3800	600	ug/m3			03/04/15 16:15	483.18
Carbon disulfide	ND		7500	470	ug/m3			03/04/15 16:15	483.18
Carbon tetrachloride	ND		6100	1200	ug/m3			03/04/15 16:15	483.18

Client Sample ID: G-150225-RA-07 — **Lab Sample ID: 140-2808-7**
Date Collected: 02/25/15 16:50 — **Matrix: Air**
Date Received: 03/02/15 10:30
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		4400	1100	ug/m3			03/04/15 16:15	483.18
Dibromochloromethane	ND		8200	1700	ug/m3			03/04/15 16:15	483.18
Chloroethane	ND		10000	450	ug/m3			03/04/15 16:15	483.18
Chloroform	**3200**	**J**	4700	900	ug/m3			03/04/15 16:15	483.18
Chloromethane	ND		5000	1600	ug/m3			03/04/15 16:15	483.18
cis-1,2-Dichloroethene	**18000**		3800	1100	ug/m3			03/04/15 16:15	483.18
cis-1,3-Dichloropropene	ND		4400	1600	ug/m3			03/04/15 16:15	483.18
Cyclohexane	ND		8300	670	ug/m3			03/04/15 16:15	483.18
Bromodichloromethane	ND		6500	1400	ug/m3			03/04/15 16:15	483.18
Dichlorodifluoromethane	ND		12000	1600	ug/m3			03/04/15 16:15	483.18
Ethylbenzene	ND		4200	1400	ug/m3			03/04/15 16:15	483.18
1,2-Dibromoethane (EDB)	ND		7400	1600	ug/m3			03/04/15 16:15	483.18
Hexachlorobutadiene	ND		10000	4000	ug/m3			03/04/15 16:15	483.18
Hexane	ND		14000	540	ug/m3			03/04/15 16:15	483.18
Isopropyl alcohol	**4700**	**J**	59000	1100	ug/m3			03/04/15 16:15	483.18
Isopropylbenzene	ND		19000	1400	ug/m3			03/04/15 16:15	483.18
m-Xylene & p-Xylene	ND		17000	2500	ug/m3			03/04/15 16:15	483.18
Methyl tert-butyl ether	ND		17000	3000	ug/m3			03/04/15 16:15	483.18
Methylene Chloride	ND		8400	2200	ug/m3			03/04/15 16:15	483.18
Naphthalene	ND		13000	2300	ug/m3			03/04/15 16:15	483.18
o-Xylene	ND		4200	1300	ug/m3			03/04/15 16:15	483.18
Styrene	ND		4100	1200	ug/m3			03/04/15 16:15	483.18
Tetrachloroethene	**660000**		6600	1300	ug/m3			03/04/15 16:15	483.18
Tetrahydrofuran	ND		71000	900	ug/m3			03/04/15 16:15	483.18
Toluene	ND		3600	2200	ug/m3			03/04/15 16:15	483.18
trans-1,2-Dichloroethene	**1600**	**J**	3800	960	ug/m3			03/04/15 16:15	483.18
trans-1,3-Dichloropropene	ND		4400	1100	ug/m3			03/04/15 16:15	483.18
Trichloroethene	**87000**		5200	930	ug/m3			03/04/15 16:15	483.18
Trichlorofluoromethane	ND		5400	650	ug/m3			03/04/15 16:15	483.18
Vinyl acetate	ND		85000	2400	ug/m3			03/04/15 16:15	483.18
Vinyl bromide	ND		4200	740	ug/m3			03/04/15 16:15	483.18
Vinyl chloride	ND		2500	880	ug/m3			03/04/15 16:15	483.18

Client Sample ID: G-150225-RA-08 — **Lab Sample ID: 140-2808-8**
Date Collected: 02/25/15 16:50 — **Matrix: Air**
Date Received: 03/02/15 10:30
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**400**	**J**	910	140	ppb v/v			03/04/15 17:02	456.45
1,1,2,2-Tetrachloroethane	ND		910	280	ppb v/v			03/04/15 17:02	456.45
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		910	140	ppb v/v			03/04/15 17:02	456.45
1,1,2-Trichloroethane	ND		910	250	ppb v/v			03/04/15 17:02	456.45
1,1-Dichloroethane	ND		910	120	ppb v/v			03/04/15 17:02	456.45
1,1-Dichloroethene	ND		910	160	ppb v/v			03/04/15 17:02	456.45
1,2,4-Trichlorobenzene	ND		9100	450	ppb v/v			03/04/15 17:02	456.45
1,2,4-Trimethylbenzene	ND		910	290	ppb v/v			03/04/15 17:02	456.45
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		910	150	ppb v/v			03/04/15 17:02	456.45

Client Sample ID: G-150225-RA-08
Lab Sample ID: 140-2808-8
Date Collected: 02/25/15 16:50
Matrix: Air
Date Received: 03/02/15 10:30
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		910	320	ppb v/v			03/04/15 17:02	456.45
1,2-Dichloroethane	ND		910	210	ppb v/v			03/04/15 17:02	456.45
1,2-Dichloropropane	ND		910	240	ppb v/v			03/04/15 17:02	456.45
1,3,5-Trimethylbenzene	ND		910	300	ppb v/v			03/04/15 17:02	456.45
1,3-Dichlorobenzene	ND		910	300	ppb v/v			03/04/15 17:02	456.45
1,4-Dichlorobenzene	ND		910	290	ppb v/v			03/04/15 17:02	456.45
1,4-Dioxane	ND		23000	370	ppb v/v			03/04/15 17:02	456.45
2-Butanone (MEK)	**960**	**J**	4600	910	ppb v/v			03/04/15 17:02	456.45
4-Methyl-2-pentanone (MIBK)	ND		2300	210	ppb v/v			03/04/15 17:02	456.45
Acetone	**8900**	**J**	23000	6400	ppb v/v			03/04/15 17:02	456.45
Benzene	ND		910	260	ppb v/v			03/04/15 17:02	456.45
Benzyl chloride	ND		3700	360	ppb v/v			03/04/15 17:02	456.45
Bromoform	ND		910	220	ppb v/v			03/04/15 17:02	456.45
Bromomethane	ND		910	150	ppb v/v			03/04/15 17:02	456.45
Carbon disulfide	ND		2300	140	ppb v/v			03/04/15 17:02	456.45
Carbon tetrachloride	ND		910	170	ppb v/v			03/04/15 17:02	456.45
Chlorobenzene	ND		910	220	ppb v/v			03/04/15 17:02	456.45
Dibromochloromethane	ND		910	190	ppb v/v			03/04/15 17:02	456.45
Chloroethane	ND		3700	160	ppb v/v			03/04/15 17:02	456.45
Chloroform	**860**	**J**	910	170	ppb v/v			03/04/15 17:02	456.45
Chloromethane	ND		2300	730	ppb v/v			03/04/15 17:02	456.45
cis-1,2-Dichloroethene	**5900**		910	270	ppb v/v			03/04/15 17:02	456.45
cis-1,3-Dichloropropene	ND		910	340	ppb v/v			03/04/15 17:02	456.45
Cyclohexane	ND		2300	180	ppb v/v			03/04/15 17:02	456.45
Bromodichloromethane	ND		910	200	ppb v/v			03/04/15 17:02	456.45
Dichlorodifluoromethane	ND		2300	310	ppb v/v			03/04/15 17:02	456.45
Ethylbenzene	ND		910	310	ppb v/v			03/04/15 17:02	456.45
1,2-Dibromoethane (EDB)	ND		910	200	ppb v/v			03/04/15 17:02	456.45
Hexachlorobutadiene	ND		910	360	ppb v/v			03/04/15 17:02	456.45
Hexane	ND		3700	150	ppb v/v			03/04/15 17:02	456.45
Isopropyl alcohol	**3100**	**J**	23000	430	ppb v/v			03/04/15 17:02	456.45
Isopropylbenzene	ND		3700	270	ppb v/v			03/04/15 17:02	456.45
m-Xylene & p-Xylene	ND		3700	550	ppb v/v			03/04/15 17:02	456.45
Methyl tert-butyl ether	ND		4600	780	ppb v/v			03/04/15 17:02	456.45
Methylene Chloride	**680**	**J B**	2300	590	ppb v/v			03/04/15 17:02	456.45
Naphthalene	ND		2300	410	ppb v/v			03/04/15 17:02	456.45
o-Xylene	ND		910	280	ppb v/v			03/04/15 17:02	456.45
Styrene	ND		910	260	ppb v/v			03/04/15 17:02	456.45
Tetrachloroethene	**110000**		910	180	ppb v/v			03/04/15 17:02	456.45
Tetrahydrofuran	ND		23000	290	ppb v/v			03/04/15 17:02	456.45
Toluene	ND		910	550	ppb v/v			03/04/15 17:02	456.45
trans-1,2-Dichloroethene	**530**	**J**	910	230	ppb v/v			03/04/15 17:02	456.45
trans-1,3-Dichloropropene	ND		910	220	ppb v/v			03/04/15 17:02	456.45
Trichloroethene	**21000**		910	160	ppb v/v			03/04/15 17:02	456.45
Trichlorofluoromethane	ND		910	110	ppb v/v			03/04/15 17:02	456.45
Vinyl acetate	ND		23000	640	ppb v/v			03/04/15 17:02	456.45
Vinyl bromide	ND		910	160	ppb v/v			03/04/15 17:02	456.45
Vinyl chloride	ND		910	320	ppb v/v			03/04/15 17:02	456.45

Client Sample ID: G-150225-RA-08
Date Collected: 02/25/15 16:50
Date Received: 03/02/15 10:30
Sample Container: Summa Canister 1L

Lab Sample ID: 140-2808-8
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**2200**	**J**	5000	750	ug/m3			03/04/15 17:02	456.45
1,1,2,2-Tetrachloroethane	ND		6300	1900	ug/m3			03/04/15 17:02	456.45
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7000	1100	ug/m3			03/04/15 17:02	456.45
1,1,2-Trichloroethane	ND		5000	1300	ug/m3			03/04/15 17:02	456.45
1,1-Dichloroethane	ND		3700	480	ug/m3			03/04/15 17:02	456.45
1,1-Dichloroethene	ND		3600	620	ug/m3			03/04/15 17:02	456.45
1,2,4-Trichlorobenzene	ND		68000	3300	ug/m3			03/04/15 17:02	456.45
1,2,4-Trimethylbenzene	ND		4500	1400	ug/m3			03/04/15 17:02	456.45
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		6400	1000	ug/m3			03/04/15 17:02	456.45
1,2-Dichlorobenzene	ND		5500	1900	ug/m3			03/04/15 17:02	456.45
1,2-Dichloroethane	ND		3700	870	ug/m3			03/04/15 17:02	456.45
1,2-Dichloropropane	ND		4200	1100	ug/m3			03/04/15 17:02	456.45
1,3,5-Trimethylbenzene	ND		4500	1500	ug/m3			03/04/15 17:02	456.45
1,3-Dichlorobenzene	ND		5500	1800	ug/m3			03/04/15 17:02	456.45
1,4-Dichlorobenzene	ND		5500	1800	ug/m3			03/04/15 17:02	456.45
1,4-Dioxane	ND		82000	1300	ug/m3			03/04/15 17:02	456.45
2-Butanone (MEK)	**2800**	**J**	13000	2700	ug/m3			03/04/15 17:02	456.45
4-Methyl-2-pentanone (MIBK)	ND		9300	840	ug/m3			03/04/15 17:02	456.45
Acetone	**21000**	**J**	54000	15000	ug/m3			03/04/15 17:02	456.45
Benzene	ND		2900	820	ug/m3			03/04/15 17:02	456.45
Benzyl chloride	ND		19000	1800	ug/m3			03/04/15 17:02	456.45
Bromoform	ND		9400	2300	ug/m3			03/04/15 17:02	456.45
Bromomethane	ND		3500	570	ug/m3			03/04/15 17:02	456.45
Carbon disulfide	ND		7100	440	ug/m3			03/04/15 17:02	456.45
Carbon tetrachloride	ND		5700	1100	ug/m3			03/04/15 17:02	456.45
Chlorobenzene	ND		4200	1000	ug/m3			03/04/15 17:02	456.45
Dibromochloromethane	ND		7800	1600	ug/m3			03/04/15 17:02	456.45
Chloroethane	ND		9600	420	ug/m3			03/04/15 17:02	456.45
Chloroform	**4200**	**J**	4500	850	ug/m3			03/04/15 17:02	456.45
Chloromethane	ND		4700	1500	ug/m3			03/04/15 17:02	456.45
cis-1,2-Dichloroethene	**24000**		3600	1100	ug/m3			03/04/15 17:02	456.45
cis-1,3-Dichloropropene	ND		4100	1500	ug/m3			03/04/15 17:02	456.45
Cyclohexane	ND		7900	630	ug/m3			03/04/15 17:02	456.45
Bromodichloromethane	ND		6100	1300	ug/m3			03/04/15 17:02	456.45
Dichlorodifluoromethane	ND		11000	1500	ug/m3			03/04/15 17:02	456.45
Ethylbenzene	ND		4000	1300	ug/m3			03/04/15 17:02	456.45
1,2-Dibromoethane (EDB)	ND		7000	1500	ug/m3			03/04/15 17:02	456.45
Hexachlorobutadiene	ND		9700	3800	ug/m3			03/04/15 17:02	456.45
Hexane	ND		13000	510	ug/m3			03/04/15 17:02	456.45
Isopropyl alcohol	**7600**	**J**	56000	1100	ug/m3			03/04/15 17:02	456.45
Isopropylbenzene	ND		18000	1300	ug/m3			03/04/15 17:02	456.45
m-Xylene & p-Xylene	ND		16000	2400	ug/m3			03/04/15 17:02	456.45
Methyl tert-butyl ether	ND		16000	2800	ug/m3			03/04/15 17:02	456.45
Methylene Chloride	**2400**	**J B**	7900	2100	ug/m3			03/04/15 17:02	456.45
Naphthalene	ND		12000	2200	ug/m3			03/04/15 17:02	456.45
o-Xylene	ND		4000	1200	ug/m3			03/04/15 17:02	456.45
Styrene	ND		3900	1100	ug/m3			03/04/15 17:02	456.45
Tetrachloroethene	**780000**		6200	1200	ug/m3			03/04/15 17:02	456.45
Tetrahydrofuran	ND		67000	850	ug/m3			03/04/15 17:02	456.45

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: City of Wausau-Chemical Brownfield

TestAmerica Job ID: 140-2808-1

Client Sample ID: G-150225-RA-08
Lab Sample ID: 140-2808-8
Date Collected: 02/25/15 16:50
Matrix: Air
Date Received: 03/02/15 10:30
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		3400	2100	ug/m3			03/04/15 17:02	456.45
trans-1,2-Dichloroethene	**2100**	J	3600	900	ug/m3			03/04/15 17:02	456.45
trans-1,3-Dichloropropene	ND		4100	990	ug/m3			03/04/15 17:02	456.45
Trichloroethene	**110000**		4900	880	ug/m3			03/04/15 17:02	456.45
Trichlorofluoromethane	ND		5100	620	ug/m3			03/04/15 17:02	456.45
Vinyl acetate	ND		80000	2300	ug/m3			03/04/15 17:02	456.45
Vinyl bromide	ND		4000	700	ug/m3			03/04/15 17:02	456.45
Vinyl chloride	ND		2300	830	ug/m3			03/04/15 17:02	456.45

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 140-2463/4
Matrix: Air
Analysis Batch: 2463

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.20	0.030	ppb v/v			03/04/15 10:58	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.061	ppb v/v			03/04/15 10:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.20	0.031	ppb v/v			03/04/15 10:58	1
1,1,2-Trichloroethane	ND		0.20	0.054	ppb v/v			03/04/15 10:58	1
1,1-Dichloroethane	ND		0.20	0.026	ppb v/v			03/04/15 10:58	1
1,1-Dichloroethene	ND		0.20	0.034	ppb v/v			03/04/15 10:58	1
1,2,4-Trichlorobenzene	ND		2.0	0.098	ppb v/v			03/04/15 10:58	1
1,2,4-Trimethylbenzene	ND		0.20	0.063	ppb v/v			03/04/15 10:58	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.20	0.032	ppb v/v			03/04/15 10:58	1
1,2-Dichlorobenzene	ND		0.20	0.070	ppb v/v			03/04/15 10:58	1
1,2-Dichloroethane	ND		0.20	0.047	ppb v/v			03/04/15 10:58	1
1,2-Dichloropropane	ND		0.20	0.052	ppb v/v			03/04/15 10:58	1
1,3,5-Trimethylbenzene	ND		0.20	0.065	ppb v/v			03/04/15 10:58	1
1,3-Dichlorobenzene	ND		0.20	0.065	ppb v/v			03/04/15 10:58	1
1,4-Dichlorobenzene	ND		0.20	0.064	ppb v/v			03/04/15 10:58	1
1,4-Dioxane	ND		5.0	0.080	ppb v/v			03/04/15 10:58	1
2-Butanone (MEK)	ND		1.0	0.20	ppb v/v			03/04/15 10:58	1
4-Methyl-2-pentanone (MIBK)	ND		0.50	0.045	ppb v/v			03/04/15 10:58	1
Acetone	ND		5.0	1.4	ppb v/v			03/04/15 10:58	1
Benzene	ND		0.20	0.056	ppb v/v			03/04/15 10:58	1
Benzyl chloride	ND		0.80	0.078	ppb v/v			03/04/15 10:58	1
Bromoform	ND		0.20	0.048	ppb v/v			03/04/15 10:58	1
Bromomethane	ND		0.20	0.032	ppb v/v			03/04/15 10:58	1
Carbon disulfide	ND		0.50	0.031	ppb v/v			03/04/15 10:58	1
Carbon tetrachloride	ND		0.20	0.038	ppb v/v			03/04/15 10:58	1
Chlorobenzene	ND		0.20	0.049	ppb v/v			03/04/15 10:58	1
Dibromochloromethane	ND		0.20	0.042	ppb v/v			03/04/15 10:58	1
Chloroethane	ND		0.80	0.035	ppb v/v			03/04/15 10:58	1
Chloroform	ND		0.20	0.038	ppb v/v			03/04/15 10:58	1
Chloromethane	ND		0.50	0.16	ppb v/v			03/04/15 10:58	1
cis-1,2-Dichloroethene	ND		0.20	0.060	ppb v/v			03/04/15 10:58	1
cis-1,3-Dichloropropene	ND		0.20	0.074	ppb v/v			03/04/15 10:58	1
Cyclohexane	ND		0.50	0.040	ppb v/v			03/04/15 10:58	1
Bromodichloromethane	ND		0.20	0.044	ppb v/v			03/04/15 10:58	1
Dichlorodifluoromethane	ND		0.50	0.068	ppb v/v			03/04/15 10:58	1
Ethylbenzene	ND		0.20	0.068	ppb v/v			03/04/15 10:58	1
1,2-Dibromoethane (EDB)	ND		0.20	0.044	ppb v/v			03/04/15 10:58	1
Hexachlorobutadiene	ND		0.20	0.078	ppb v/v			03/04/15 10:58	1
Hexane	ND		0.80	0.032	ppb v/v			03/04/15 10:58	1
Isopropyl alcohol	ND		5.0	0.094	ppb v/v			03/04/15 10:58	1
Isopropylbenzene	ND		0.80	0.060	ppb v/v			03/04/15 10:58	1
m-Xylene & p-Xylene	ND		0.80	0.12	ppb v/v			03/04/15 10:58	1
Methyl tert-butyl ether	ND		1.0	0.17	ppb v/v			03/04/15 10:58	1
Methylene Chloride	0.132	J	0.50	0.13	ppb v/v			03/04/15 10:58	1
Naphthalene	ND		0.50	0.090	ppb v/v			03/04/15 10:58	1
o-Xylene	ND		0.20	0.061	ppb v/v			03/04/15 10:58	1
Styrene	ND		0.20	0.058	ppb v/v			03/04/15 10:58	1
Tetrachloroethene	ND		0.20	0.040	ppb v/v			03/04/15 10:58	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 140-2463/4
Matrix: Air
Analysis Batch: 2463

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	ND		5.0	0.063	ppb v/v			03/04/15 10:58	1
Toluene	ND		0.20	0.12	ppb v/v			03/04/15 10:58	1
trans-1,2-Dichloroethene	ND		0.20	0.050	ppb v/v			03/04/15 10:58	1
trans-1,3-Dichloropropene	ND		0.20	0.048	ppb v/v			03/04/15 10:58	1
Trichloroethene	ND		0.20	0.036	ppb v/v			03/04/15 10:58	1
Trichlorofluoromethane	ND		0.20	0.024	ppb v/v			03/04/15 10:58	1
Vinyl acetate	ND		5.0	0.14	ppb v/v			03/04/15 10:58	1
Vinyl bromide	ND		0.20	0.035	ppb v/v			03/04/15 10:58	1
Vinyl chloride	ND		0.20	0.071	ppb v/v			03/04/15 10:58	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.1	0.16	ug/m3			03/04/15 10:58	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.42	ug/m3			03/04/15 10:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.5	0.24	ug/m3			03/04/15 10:58	1
1,1,2-Trichloroethane	ND		1.1	0.29	ug/m3			03/04/15 10:58	1
1,1-Dichloroethane	ND		0.81	0.11	ug/m3			03/04/15 10:58	1
1,1-Dichloroethene	ND		0.79	0.13	ug/m3			03/04/15 10:58	1
1,2,4-Trichlorobenzene	ND		15	0.73	ug/m3			03/04/15 10:58	1
1,2,4-Trimethylbenzene	ND		0.98	0.31	ug/m3			03/04/15 10:58	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		1.4	0.22	ug/m3			03/04/15 10:58	1
1,2-Dichlorobenzene	ND		1.2	0.42	ug/m3			03/04/15 10:58	1
1,2-Dichloroethane	ND		0.81	0.19	ug/m3			03/04/15 10:58	1
1,2-Dichloropropane	ND		0.92	0.24	ug/m3			03/04/15 10:58	1
1,3,5-Trimethylbenzene	ND		0.98	0.32	ug/m3			03/04/15 10:58	1
1,3-Dichlorobenzene	ND		1.2	0.39	ug/m3			03/04/15 10:58	1
1,4-Dichlorobenzene	ND		1.2	0.38	ug/m3			03/04/15 10:58	1
1,4-Dioxane	ND		18	0.29	ug/m3			03/04/15 10:58	1
2-Butanone (MEK)	ND		2.9	0.59	ug/m3			03/04/15 10:58	1
4-Methyl-2-pentanone (MIBK)	ND		2.0	0.18	ug/m3			03/04/15 10:58	1
Acetone	ND		12	3.3	ug/m3			03/04/15 10:58	1
Benzene	ND		0.64	0.18	ug/m3			03/04/15 10:58	1
Benzyl chloride	ND		4.1	0.40	ug/m3			03/04/15 10:58	1
Bromoform	ND		2.1	0.50	ug/m3			03/04/15 10:58	1
Bromomethane	ND		0.78	0.12	ug/m3			03/04/15 10:58	1
Carbon disulfide	ND		1.6	0.097	ug/m3			03/04/15 10:58	1
Carbon tetrachloride	ND		1.3	0.24	ug/m3			03/04/15 10:58	1
Chlorobenzene	ND		0.92	0.23	ug/m3			03/04/15 10:58	1
Dibromochloromethane	ND		1.7	0.36	ug/m3			03/04/15 10:58	1
Chloroethane	ND		2.1	0.092	ug/m3			03/04/15 10:58	1
Chloroform	ND		0.98	0.19	ug/m3			03/04/15 10:58	1
Chloromethane	ND		1.0	0.33	ug/m3			03/04/15 10:58	1
cis-1,2-Dichloroethene	ND		0.79	0.24	ug/m3			03/04/15 10:58	1
cis-1,3-Dichloropropene	ND		0.91	0.34	ug/m3			03/04/15 10:58	1
Cyclohexane	ND		1.7	0.14	ug/m3			03/04/15 10:58	1
Bromodichloromethane	ND		1.3	0.29	ug/m3			03/04/15 10:58	1
Dichlorodifluoromethane	ND		2.5	0.34	ug/m3			03/04/15 10:58	1
Ethylbenzene	ND		0.87	0.30	ug/m3			03/04/15 10:58	1
1,2-Dibromoethane (EDB)	ND		1.5	0.34	ug/m3			03/04/15 10:58	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 140-2463/4
Matrix: Air
Analysis Batch: 2463

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		2.1	0.83	ug/m3			03/04/15 10:58	1
Hexane	ND		2.8	0.11	ug/m3			03/04/15 10:58	1
Isopropyl alcohol	ND		12	0.23	ug/m3			03/04/15 10:58	1
Isopropylbenzene	ND		3.9	0.29	ug/m3			03/04/15 10:58	1
m-Xylene & p-Xylene	ND		3.5	0.52	ug/m3			03/04/15 10:58	1
Methyl tert-butyl ether	ND		3.6	0.61	ug/m3			03/04/15 10:58	1
Methylene Chloride	0.459	J	1.7	0.45	ug/m3			03/04/15 10:58	1
Naphthalene	ND		2.6	0.47	ug/m3			03/04/15 10:58	1
o-Xylene	ND		0.87	0.26	ug/m3			03/04/15 10:58	1
Styrene	ND		0.85	0.25	ug/m3			03/04/15 10:58	1
Tetrachloroethene	ND		1.4	0.27	ug/m3			03/04/15 10:58	1
Tetrahydrofuran	ND		15	0.19	ug/m3			03/04/15 10:58	1
Toluene	ND		0.75	0.45	ug/m3			03/04/15 10:58	1
trans-1,2-Dichloroethene	ND		0.79	0.20	ug/m3			03/04/15 10:58	1
trans-1,3-Dichloropropene	ND		0.91	0.22	ug/m3			03/04/15 10:58	1
Trichloroethene	ND		1.1	0.19	ug/m3			03/04/15 10:58	1
Trichlorofluoromethane	ND		1.1	0.13	ug/m3			03/04/15 10:58	1
Vinyl acetate	ND		18	0.49	ug/m3			03/04/15 10:58	1
Vinyl bromide	ND		0.87	0.15	ug/m3			03/04/15 10:58	1
Vinyl chloride	ND		0.51	0.18	ug/m3			03/04/15 10:58	1

Lab Sample ID: LCS 140-2463/1002
Matrix: Air
Analysis Batch: 2463

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2.00	2.07		ppb v/v		104	70 - 130
1,1,2,2-Tetrachloroethane	2.00	2.16		ppb v/v		108	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	2.24		ppb v/v		112	70 - 130
1,1,2-Trichloroethane	2.00	2.08		ppb v/v		104	70 - 130
1,1-Dichloroethane	2.00	2.14		ppb v/v		107	70 - 130
1,1-Dichloroethene	2.00	2.25		ppb v/v		113	70 - 130
1,2,4-Trichlorobenzene	2.00	1.62		ppb v/v		81	60 - 140
1,2,4-Trimethylbenzene	2.00	2.17		ppb v/v		108	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	2.00	2.24		ppb v/v		112	60 - 140
1,2-Dichlorobenzene	2.00	2.09		ppb v/v		104	70 - 130
1,2-Dichloroethane	2.00	2.07		ppb v/v		103	70 - 130
1,2-Dichloropropane	2.00	2.14		ppb v/v		107	70 - 130
1,3,5-Trimethylbenzene	2.00	2.14		ppb v/v		107	70 - 130
1,3-Dichlorobenzene	2.00	2.07		ppb v/v		104	70 - 130
1,4-Dichlorobenzene	2.00	2.07		ppb v/v		103	70 - 130
1,4-Dioxane	2.00	2.18		ppb v/v		109	60 - 140
2-Butanone (MEK)	2.00	1.85		ppb v/v		93	60 - 140
4-Methyl-2-pentanone (MIBK)	2.00	1.87		ppb v/v		93	60 - 140
Acetone	6.00	5.59		ppb v/v		93	60 - 140
Benzene	2.00	2.16		ppb v/v		108	70 - 130
Benzyl chloride	2.00	2.17		ppb v/v		108	70 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 140-2463/1002
Matrix: Air
Analysis Batch: 2463

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	2.00	2.16		ppb v/v		108	60 - 140
Bromomethane	2.00	2.32		ppb v/v		116	70 - 130
Carbon disulfide	2.00	2.26		ppb v/v		113	70 - 130
Carbon tetrachloride	2.00	2.23		ppb v/v		112	70 - 130
Chlorobenzene	2.00	2.07		ppb v/v		104	70 - 130
Dibromochloromethane	2.00	2.11		ppb v/v		106	70 - 130
Chloroethane	2.00	2.28		ppb v/v		114	70 - 130
Chloroform	2.00	2.08		ppb v/v		104	70 - 130
Chloromethane	2.00	2.21		ppb v/v		110	60 - 140
cis-1,2-Dichloroethene	2.00	2.18		ppb v/v		109	70 - 130
cis-1,3-Dichloropropene	2.00	2.18		ppb v/v		109	70 - 130
Cyclohexane	2.00	2.21		ppb v/v		110	70 - 130
Bromodichloromethane	2.00	2.13		ppb v/v		106	70 - 130
Dichlorodifluoromethane	2.00	2.17		ppb v/v		108	60 - 140
Ethylbenzene	2.00	2.13		ppb v/v		107	70 - 130
1,2-Dibromoethane (EDB)	2.00	2.08		ppb v/v		104	70 - 130
Hexachlorobutadiene	2.00	1.80		ppb v/v		90	60 - 140
Hexane	2.00	2.16		ppb v/v		108	70 - 130
Isopropyl alcohol	6.00	6.47		ppb v/v		108	60 - 140
Isopropylbenzene	2.00	2.12		ppb v/v		106	70 - 130
m-Xylene & p-Xylene	4.00	4.27		ppb v/v		107	70 - 130
Methyl tert-butyl ether	2.00	2.23		ppb v/v		112	60 - 140
Methylene Chloride	2.00	2.10		ppb v/v		105	70 - 130
Naphthalene	2.00	1.60		ppb v/v		80	40 - 140
o-Xylene	2.00	2.11		ppb v/v		105	70 - 130
Styrene	2.00	2.23		ppb v/v		112	70 - 130
Tetrachloroethene	2.00	2.04		ppb v/v		102	70 - 130
Tetrahydrofuran	2.00	2.10		ppb v/v		105	60 - 140
Toluene	2.00	2.03		ppb v/v		102	70 - 130
trans-1,2-Dichloroethene	2.00	2.23		ppb v/v		111	70 - 130
trans-1,3-Dichloropropene	2.00	2.08		ppb v/v		104	70 - 130
Trichloroethene	2.00	2.12		ppb v/v		106	70 - 130
Trichlorofluoromethane	2.00	2.17		ppb v/v		108	60 - 140
Vinyl acetate	2.00	2.16		ppb v/v		108	60 - 140
Vinyl bromide	2.00	2.34		ppb v/v		117	60 - 140
Vinyl chloride	2.00	2.24		ppb v/v		112	70 - 130

Air - GC/MS VOA

Analysis Batch: 2463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-2808-1	G-150225-RA-01	Total/NA	Air	TO-15	
140-2808-2	G-150225-RA-02	Total/NA	Air	TO-15	
140-2808-3	G-150225-RA-03	Total/NA	Air	TO-15	
140-2808-4	G-150225-RA-04	Total/NA	Air	TO-15	
140-2808-4 - DL	G-150225-RA-04	Total/NA	Air	TO-15	
140-2808-5	G-150225-RA-05	Total/NA	Air	TO-15	
140-2808-6	G-150225-RA-06	Total/NA	Air	TO-15	
140-2808-7	G-150225-RA-07	Total/NA	Air	TO-15	
140-2808-8	G-150225-RA-08	Total/NA	Air	TO-15	
LCS 140-2463/1002	Lab Control Sample	Total/NA	Air	TO-15	
MB 140-2463/4	Method Blank	Total/NA	Air	TO-15	

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: City of Wausau-Chemical Brownfield

TestAmerica Job ID: 140-2808-1

Client Sample ID: G-150225-RA-01

Lab Sample ID: 140-2808-1

Date Collected: 02/25/15 09:38
Matrix: Air
Date Received: 03/02/15 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		41.24	30 mL	500 mL	2463	03/05/15 01:06	HMT	TAL KNX
	Instrument ID: ME									

Client Sample ID: G-150225-RA-02

Lab Sample ID: 140-2808-2

Date Collected: 02/25/15 11:19
Matrix: Air
Date Received: 03/02/15 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	20 mL	500 mL	2463	03/04/15 12:28	HMT	TAL KNX
	Instrument ID: ME									

Client Sample ID: G-150225-RA-03

Lab Sample ID: 140-2808-3

Date Collected: 02/25/15 12:30
Matrix: Air
Date Received: 03/02/15 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	20 mL	500 mL	2463	03/04/15 13:13	HMT	TAL KNX
	Instrument ID: ME									

Client Sample ID: G-150225-RA-04

Lab Sample ID: 140-2808-4

Date Collected: 02/25/15 15:32
Matrix: Air
Date Received: 03/02/15 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		3.83	30 mL	500 mL	2463	03/04/15 13:58	HMT	TAL KNX
	Instrument ID: ME									
Total/NA	Analysis	TO-15	DL	3.83	20 mL	500 mL	2463	03/05/15 03:25	HMT	TAL KNX
	Instrument ID: ME									

Client Sample ID: G-150225-RA-05

Lab Sample ID: 140-2808-5

Date Collected: 02/25/15 16:27
Matrix: Air
Date Received: 03/02/15 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		12.08	25 mL	500 mL	2463	03/04/15 14:44	HMT	TAL KNX
	Instrument ID: ME									

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: City of Wausau-Chemical Brownfield

TestAmerica Job ID: 140-2808-1

Client Sample ID: G-150225-RA-06 — **Lab Sample ID: 140-2808-6**
Date Collected: 02/25/15 18:00 — **Matrix: Air**
Date Received: 03/02/15 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		3.88	20 mL	500 mL	2463	03/04/15 15:30	HMT	TAL KNX
	Instrument ID: ME									

Client Sample ID: G-150225-RA-07 — **Lab Sample ID: 140-2808-7**
Date Collected: 02/25/15 16:50 — **Matrix: Air**
Date Received: 03/02/15 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		483.18	20 mL	500 mL	2463	03/04/15 16:15	HMT	TAL KNX
	Instrument ID: ME									

Client Sample ID: G-150225-RA-08 — **Lab Sample ID: 140-2808-8**
Date Collected: 02/25/15 16:50 — **Matrix: Air**
Date Received: 03/02/15 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		456.45	20 mL	500 mL	2463	03/04/15 17:02	HMT	TAL KNX
	Instrument ID: ME									

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 140-2463/1002**
Date Collected: N/A — **Matrix: Air**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	500 mL	500 mL	2463	03/04/15 08:54	HMT	TAL KNX
	Instrument ID: ME									

Client Sample ID: Method Blank — **Lab Sample ID: MB 140-2463/4**
Date Collected: N/A — **Matrix: Air**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	200 mL	500 mL	2463	03/04/15 10:58	HMT	TAL KNX
	Instrument ID: ME									

Laboratory References:

TAL KNX = TestAmerica Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: City of Wausau-Chemical Brownfield

TestAmerica Job ID: 140-2808-1

Laboratory: TestAmerica Knoxville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	AFCEE		N/A	
Arkansas DEQ	State Program	6	88-0688	06-17-15
California	State Program	9	2423	06-30-16
Colorado	State Program	8	N/A	02-28-16
Connecticut	State Program	1	PH-0223	09-30-15
Florida	NELAP	4	E87177	06-30-15
Georgia	State Program	4	906	04-13-17
Hawaii	State Program	9	N/A	04-13-15
Kentucky (DW)	State Program	4	90101	12-31-15
L-A-B	DoD ELAP		L2311	02-13-16
Louisiana	NELAP	6	LA110001	12-31-15
Maryland	State Program	3	277	03-31-16
Michigan	State Program	5	9933	04-13-17
Nevada	State Program	9	TN00009	07-31-15
New Jersey	NELAP	2	TN001	06-30-15
New York	NELAP	2	10781	03-31-15
North Carolina (DW)	State Program	4	21705	07-31-15
North Carolina (WW/SW)	State Program	4	64	12-31-15
Ohio VAP	State Program	5	CL0059	01-16-17
Oklahoma	State Program	6	9415	08-31-15
Pennsylvania	NELAP	3	68-00576	12-31-15
South Carolina	State Program	4	84001	06-30-15
Tennessee	State Program	4	2014	04-13-17
Texas	NELAP	6	T104704380-TX	08-31-15
USDA	Federal		P330-13-00260	08-29-16
Utah	NELAP	8	QUAN3	07-31-15
Virginia	State Program	3	165	06-30-15
Washington	State Program	10	C593	01-19-16
West Virginia (DW)	State Program	3	9955C	12-31-15
West Virginia DEP	State Program	3	345	04-30-15
Wisconsin	State Program	5	998044300	08-31-15

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: City of Wausau-Chemical Brownfield

TestAmerica Job ID: 140-2808-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	TAL KNX

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL KNX = TestAmerica Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: City of Wausau-Chemical Brownfield

TestAmerica Job ID: 140-2808-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
140-2808-1	G-150225-RA-01	Air	02/25/15 09:38	03/02/15 10:30
140-2808-2	G-150225-RA-02	Air	02/25/15 11:19	03/02/15 10:30
140-2808-3	G-150225-RA-03	Air	02/25/15 12:30	03/02/15 10:30
140-2808-4	G-150225-RA-04	Air	02/25/15 15:32	03/02/15 10:30
140-2808-5	G-150225-RA-05	Air	02/25/15 16:27	03/02/15 10:30
140-2808-6	G-150225-RA-06	Air	02/25/15 18:00	03/02/15 10:30
140-2808-7	G-150225-RA-07	Air	02/25/15 16:50	03/02/15 10:30
140-2808-8	G-150225-RA-08	Air	02/25/15 16:50	03/02/15 10:30

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

Canister Samples Chain of Custody Record

TestAmerica assumes no liability with respect to the collection and shipment of these samples.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	
Company:	CRA
Address:	1801 Old Highway 8 NW
City/State/Zip	St. Paul MN
Phone:	651 639 0913
FAX:	
Project Name:	Wausau
Site/location:	Wausau
PO #	58619

Project Manager: Chuck Ahrens
Phone:
Site Contact:
TAL Contact: Grant Anderson

Sampled By:

1 of 2 COCs

Analysis Turnaround Time
Standard (Specify) X
Rush (Specify)

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
G-150225-RA-01	2/25/15	930	938	28	5	10673	10840	X											
G-150225-RA-02		1109	1119	28	4	10939	09642	X											
G-150225-RA-03		1217	1230	29	5	09568	11124	X											
G-150225-RA-04		1520	1532	29	5	10674	10760	X											
G-150225-RA-05		1617	1627	28	5	D9892	10836	X											
G-150225-RA-06		1752	1800	28	5	011090	D9885	X											

Sampled by: R. Arnott

Temperature (Fahrenheit)

	Interior	Ambient	
Start	10°		
Stop	10°		

Pressure (inches of Hg)

	Interior	Ambient	
Start			
Stop			

CUSTODY SEALS INTACT
RECEIVED AT AMBIENT TEMP
BSD 3-2-15
1 COOLER FDX # 7730 0552 1171

8 CANS / 8 FLOWS (R)

140-2808 Chain of Custody

Special Instructions/QC Requirements & Comments:

Canisters Shipped by: [signature]	Date/Time: 2/26/15 1600	Canisters Received by:
Samples Relinquished by:	Date/Time:	Received by: [signature] 3-2-15 10:30
Relinquished by:	Date/Time:	Received by:

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

Canister Samples Chain of Custody Record

TestAmerica assumes no liability with respect to the collection and shipment of these samples.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	**Project Manager:** Chuck Ahrens	**Sampled By:** RAamot
Company: CA	Phone:	2 of 2 COCs
Address: 1809 Old Highway 8 NW 114	Site Contact:	
City/State/Zip St Paul MN 55112	TAL Contact: Grant Anderson	
Phone: 651 639 0913		
FAX:		
Project Name: Wausau	**Analysis Turnaround Time**	
Site/location: Wausau	Standard (Specify)	
PO # 86619	Rush (Specify)	

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
G150225-RA-07	2/25/15	1640	1650	28	5	[illegible]	10333	X											
G-150225-RA-08	2/25/15	1640	1650	28	6	11114	09747	X											

Sampled by : RAamot

	Temperature (Fahrenheit)		
	Interior	Ambient	
Start	60°		
Stop	1°°		

	Pressure (inches of Hg)		
	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

Canisters Shipped by:	Date/Time: 2/26/15 1600	Canisters Received by:
Samples Relinquished by:	Date/Time:	Received by: 3.2.15 11:30
Relinquished by:	Date/Time:	Received by:

3/18/2015

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 140-2808-1

Login Number: 2808
List Number: 1
Creator: Dameron, Bryan K

List Source: TestAmerica Knoxville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	N/A	checked in lab
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	N/A	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica Knoxville - Air Canister Initial Pressure Check

Gauge ID: G1
Date: 3/3/2015

Analyst	Sample ID	Asset #	6 L	1 L	Pressure @ Receipt (-in Hg or +psig)	Time	Comments
AFB	140-2808-a-1	10840		X	-3.9	1235	
AFB	140-2808-a-2	09642		X	-2.3	1236	
AFB	140-2808-a-3	11124		X	0	1237	
AFB	140-2808-a-4	10760		X	-4.0	1238	
AFB	140-2808-a-5	10836		X	-4.0	1239	
AFB	140-2808-a-6	09885		X	-4.3	1240	
AFB	140-2808-a-7	10333		X	-6.2	1241	
AFB	140-2808-a-8	09747		X	-6.0	1242	