Interim Action Report

Former Spokane Gun Club Property

North Henry Road and East Sprague Avenue, Greenacres, Washington

Prepared for

Central Valley School District

January 4, 2019

150-014-003

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1.0 INTRODUCTION

This report summarizes interim actions conducted by the Central Valley School District (District) to address identified contamination at the former Spokane Gun Club (Gun Club) property located near the intersection of North Henry Road and Sprague Avenue in Greenacres, Washington (herein referenced as "subject property"). The subject property location and surrounding area is shown on Figure 1 - Vicinity Map. Interim actions were conducted to address three stockpiles (of unknown origin) that contained hazardous concentrations of lead and polycyclic aromatic hydrocarbons (PAH) and a small area of lead contamination identified on an adjacent parcel during recent site assessments. The interim actions included excavating soil from the lead-contaminated area, removing the stockpiles, and transporting the materials off-site for disposal at appropriate disposal facilities.

2.0 BACKGROUND

The subject property currently is undeveloped and was purchased by the District from the Gun Club in 2018. The Gun Club continues to operate a trap/skeet range on the adjacent parcels to the west-southwest and plan to continue operation for the next three years, at which time the District will take ownership of the Gun Club parcels as well. The subject property generally has remained undeveloped since at least 1938. The surrounding area appears to primarily have been developed for residential and/or commercial uses starting around 1938, although some farms were developed prior to that time. The Gun Club reportedly was constructed in 1948 and has operated as a trap/skeet firing range ever since.

The subject property is a newly created, 40.13-acre, Spokane County tax parcel (number 55174.9014) that formerly was comprised of portions of tax parcels 55174.9007, 55174.9009, and 55174.9014 (Figure 2 - Site Plan). This newly created parcel and several adjacent parcels were the subject of recent Phase I and Phase II Environmental Site Assessments (ESA) conducted by Hart Crowser in 2018. Findings from those assessments are documented in our October 12, 2018 "Phase I Environmental Site Assessment (Phase I ESA); North Henry Road and East Sprague Avenue; Greenacres, Washington" report and October 22, 2018 "Focused Phase II Environmental Site Assessment (Phase II ESA); North Henry Road and East Sprague Avenue, Greenacres, Washington" technical memorandum. Additional information about the subject property and findings from these documents are summarized below.

2.1 Geologic Setting

Greenacres, Washington is located on the eastern side of the Spokane Valley. Geology in this portion of the valley predominantly is characterized by Pleistocene flood deposits resulting from multiple episodes of outbursts from glacially-dammed Lake Missoula. These deposits consist of poorly to moderately well-

sorted, stratified deposits of boulder, cobbles, gravel, and sand. According to the Washington Interactive Geologic Map, much of the subject property is underlain by these flood deposits.

The northeastern section of the subject property also is underlain by Paleozoic heterogeneous metamorphic rock, defined by the United States Geological Survey (USGS) as Hauser Lake Gneiss. Geotechnical borings in the area indicate the presence of sand with trace gravel near the surface, underlain by sandy gravel and bedrock at approximately 60 feet below ground surface (bgs). Soil encountered during our recent Phase II ESA activities generally consisted of silty gravel with sand, trace clay, and occasional cobbles to a depth of at least 24 inches.

Groundwater in wells located near the subject property was recorded at depths ranging from between 67 and 104 feet bgs. USGS data suggests the subject property is located near the boundary of the Spokane Valley-Rathdrum Prairie (SVRP) Aquifer, the U.S. Environmental Protection Agency (EPA)-designated sole-source aquifer that underlies the Spokane Valley, and an alluvial aquifer that underlies the toe of the Carlson Hill, southeast of the property. The inferred groundwater flow in the SVRP aquifer in this part of the valley is to the west-southwest; however, the alluvial aquifer at the nearby Greenacres Landfill site (located southeast of the subject property) reportedly has inferred flow components that are more north-northwesterly, suggesting that there might be some variability of groundwater gradients beneath the subject property.

2.2 Recognized Environmental Conditions

Our Phase I ESA study concluded that, based on former site use/ownership by the Gun Club, there were recognized environmental conditions (RECs) and likely contaminants of concern (COC) on the subject property, including lead (from shot originating at the adjacent trap/skeet firing range) and PAHs which commonly are found in the coal/petroleum binders used in the manufacture of clay pigeon targets. We recommended conducting a Phase II ESA to assess areas that were previously used to conduct shot recovery (lead recycling); assess four stockpiles of unknown origin (SP-1 through SP-4) observed during our site reconnaissance (Figure 2); and delineate lead and PAH contamination already identified on the parcel south of the subject property (parcel 55174.9011).

2.3 Limited Phase II ESA

Hart Crowser currently has excavated 63 test pits (TP-1 through TP-63) on the subject property and the adjacent parcels to the south. Results of the initial assessment (test pits TP-1 through TP-23) were reported in our October 22, 2018 technical memorandum; 10 of those test pits (TP-1 through TP-10) were located on the subject property. The remaining test pits (TP-11 through TP-63) were located southwest and south of the subject property. No exceedances of lead or PAHs were detected in test pits on the subject property. Though lead and/or PAHs have been detected in several soil samples from test pits adjacent to and south of the subject property at concentrations greater than Washington State Department of Ecology (Ecology) Model Toxics Control Act (MTCA) cleanup levels for unrestricted land use. A summary of findings relevant to the interim action is provided below; Hart Crowser currently is conducting remedial investigation activities on the adjacent parcels to the south.

Analytical results from soil samples collected in test pit TP-12, immediately adjacent to the subject property southwest parcel boundary (see Figure 2), exceed the MTCA Method A cleanup level of 250 milligrams per kilogram (mg/kg) for total lead. Lead was detected in the soil sample collected from 6 inches bgs in test pit TP-12 at a concentration of 560 mg/kg. Detected lead concentrations in the remaining soil samples analyzed from the subject property were less than the applicable MTCA cleanup level.

PAHs were not detected above MTCA cleanup levels for unrestricted land use in samples analyzed from test pit TP-6 on the subject property or test pits TP-12, TP-13, TP-14, TP-15 or TP-16 adjacent to and along the subject property southwestern boundary. Several PAHs, including carcinogenic PAHs (cPAHs), were detected at concentrations greater than the applicable MTCA cleanup levels in samples analyzed from the adjacent parcels to the south of the subject property.

Based on the initial chemical analytical results, the samples collected from 12 inches bgs in test pits TP-12 and TP-15 through TP-20 were analyzed for the remaining Resource Conservation and Recovery Act (RCRA) metals (arsenic, barium, cadmium, chromium, selenium, and silver) by EPA Methods 6010C and mercury by Method 7471B. Cadmium, mercury, selenium, and silver were not detected above method reporting limits in the samples analyzed. Arsenic, barium, and chromium were detected in each of the samples analyzed; however, only the concentration of arsenic detected in the sample collected from test pit TP-19 (south of the subject property) at 6 inches bgs was greater than the MTCA cleanup level.

3.0 INTERIM ACTION

Hart Crowser assisted the District with interim actions at the subject property in September and November 2018. Our services included: additional assessment of the subject property (test pits TP-64 and TP-65) per Ecology's request; collecting samples to characterize the four stockpiles (SP-1 through SP-4); profiling the stockpiles and material excavated from the test pit TP-12 location, for disposal; preparing specifications for contractor selection; observing remediation activities; and preparing this report documenting the interim actions.

3.1 TP-64 and TP-65 Assessment

On November 8, 2018 a Hart Crowser representative collected surface soil samples (between ground surface and 6 inches bgs) from the test pit TP-64 and TP-65 locations (Figure 2). These samples were collected at Ecology's request to further assess the subject property where future development is planned. The samples were hand-excavated using a stainless-steel trowel, placed into laboratory-supplied sample containers, stored the samples in a cooler with ice, and transported the samples to TestAmerica Labs (TestAmerica) in Spokane Valley, Washington for analysis.

TestAmerica analyzed the samples collected for lead using EPA Method 6010C and PAHs by EPA Method 8270C. Analytical results indicate that soil from TP-64 and TP-65 contained lead at concentrations of 15 and 13 mg/kg, respectively; PAHs were not detected at concentrations greater than method reporting limits in either sample. Detected concentrations of lead are less than the applicable MTCA Method A cleanup level of 250 mg/kg.

3.2 Stockpile Characterization

On September 25, 2018 Hart Crowser excavated and sampled four additional test pits (TP-24 through TP-27) around test pit TP-12, to better constrain the lead contamination identified in that location (Figures 2 and 3 for test pit locations). Composite samples from stockpiles SP-1 through SP-4 were collected on the same day. Composite sub-samples were collected from multiple locations and depths from each stockpile using a mini-excavator and homogenized in the field. Hart Crowser placed a homogenized sample from each stockpile into laboratory-supplied sample containers, stored the samples in a cooler with ice, and transported the samples to TestAmerica in Spokane Valley, Washington for analysis.

TestAmerica analyzed the samples collected from approximately 6 inches bgs in test pits TP-24 through TP-27 for lead using EPA Method 6010C. Analytical results indicated that lead in these samples ranged between 25.6 and 170 mg/kg—less than the applicable MTCA Method A cleanup level of 250 mg/kg. Based on these analytical results, and previous analytical results from the limited Phase II ESA, it was assumed that a hot spot of lead-contaminated soil extending at least 6 inches deep was present at the location of TP-12.

3.3 Stockpile Characterization

TestAmerica analyzed the stockpile samples (SP-1, SP-2, and SP-3) for lead and arsenic using EPA Method 6010C; gasoline-, diesel-, and heavy oil-range petroleum hydrocarbons (GRPH, DRPH, and ORPH, respectively) by Northwest Method NWTPH-HCIDHC, and PAHs by EPA Method 8270C. Analytical results indicated that stockpiles contained potentially hazardous concentrations of lead and elevated concentrations of PAHs; concentrations of PAHs in stockpile SP-2 exceeded the RCRA alternative treatment standards. Additionally, DRPH and ORPH were detected in each of the stockpiles; GRPH were not detected at concentrations greater than method reporting limits.

Based on the results of these analyses, the samples collected from stockpiles SP-1, SP-2, and SP-3 were additionally analyzed for the remaining RCRA 8 metals by EPA Methods 6010C and 7471B; leachable lead using the toxicity characteristic leaching procedure (TCLP); DRPH and ORPH by Northwest Method NWTPH-Dx; and volatile organic compounds (VOC) by EPA Method 8260B. The sample collected from stockpile SP-2 (containing the greatest concentration of ORPH from the samples analyzed) was additionally analyzed for polychlorinated biphenyls (PCB) by EPA Method 8082.

Analytical results indicate that cadmium, selenium, and silver were not detected in the stockpile samples above method reporting limits. Arsenic, barium, and chromium were detected in each of the samples analyzed and mercury was detected in the sample from SP-1; however, only the concentration of arsenic detected in the sample collected from SP-1 was greater than the MTCA cleanup level. Each of the samples contained detectable concentrations of leachable lead. Concentrations of leachable lead in stockpiles SP-1 and SP-2 were greater than the maximum concentration for the toxicity characteristic provided in Ecology's Dangerous Waste Regulations (Washington Administrative Code [WAC] 173-303-90).

DRPH and ORPH were detected in each of the stockpile samples but, with the exception of SP-2, at concentrations less than applicable MTCA Method A cleanup levels for unrestricted land use. ORPH was detected in the sample from SP-2 at a concentration of 2,900 mg/kg which is greater than the MTCA cleanup level of 2,000 mg/kg.

Neither VOCs or PCBs were detected in any of the samples at concentrations greater than the method reporting limits. Analytical results for the stockpile characterization are summarized in Tables 1 through 3 and copies of the laboratory reports are provided in Appendix A.

Alchemy Environmental (Alchemy) in Happy Valley, Oregon, was subcontracted to profile the stockpiles for disposal. Based on the analytical results the stockpiles were profiled as follows:

- SP-1 – D008 waste (lead and PAHs); RCRA Subtitle C landfill, no treatment required;
- SP-2 – D008 waste (lead and PAHs); RCRA Subtitle C landfill, treatment (incineration) required;
- SP-3 – Non-hazardous lead and PAH soils (RCRA Subtitle D landfill disposal); and
- SP-4 – Non-hazardous, meets MTCA Method A cleanup levels for unrestricted land use.

Alchemy also assisted the District with obtaining an EPA identification number for waste manifesting and disposal purposes.

3.4 Remedial Excavation and Stockpile Removal

After the waste was profiled, Hart Crowser prepared specifications for the interim action and the District retained Clean Harbors of Spokane Valley, Washington, to provide construction services. Clean Harbors provided labor equipment and materials to: excavate, stockpile, and remove lead-contaminated soil from the test pit TP-12 location; remove stockpiles SP-1 through SP-3; and transport and dispose of contaminated soil at the designated facilities.

3.4.1 Test Pit TP-12 Remediation

Clean Harbors excavated the test pit TP-12 location on November 12, 2018. A Hart Crowser representative delineated the excavation area and observed the removal of soil to a depth of approximately 8 inches. The limits of the excavation were approximately 20 feet by 20 feet (400 square feet) and are depicted on Figure 3. Excavated soil was temporarily stockpiled (designated as stockpile SP-5) on a plastic liner adjacent to and north of stockpile SP-3.

After the excavation limits had been reached, a Hart Crowser representative collected two confirmation soil samples (TP-12EX-N and TP-12EX-S) from the bottom of the excavation and a three-point composite sample of stockpile SP-5. The confirmation sample locations are shown on Figure 3. Discreet samples were placed in laboratory-supplied containers and then placed in a cooler with ice. The composite sample was homogenized in the field, placed in a laboratory-supplied container, and then placed in the same cooler. Hart Crowser transported the samples, under chain-of-custody, to TestAmerica for analysis.

TestAmerica analyzed the two confirmation samples and the SP-5 composite sample for lead using EPA Method 6010C. Analytical results indicated lead was detected in the TP-12 confirmation samples at concentrations of 29 and 27 mg/kg (TP-12EX-N and TP-12EX-S, respectively) and the composite SP-5 stockpile sample at 96 mg/kg. Based on these results, no additional excavation was conducted at the test pit TP-12 location and SP-5 was designated as non-hazardous waste for disposal purposes. The stockpiled material from the test pit TP-12 excavation (stockpile SP-5) was transported to Waste Management's RCRA

Subtitle D landfill, Graham Road, in Medical Lake, Washington, and disposed of on November 28, 2018. Approximately 19.6 tons of material was disposed from the TP-12 excavation.

3.4.2 Stockpile Removal

Clean Harbors conducted stockpile removal activities between November 13 and 28, 2018. In general, each stockpile was directly-loaded into trucks and the material surrounding/beneath each stockpile was excavated approximately 2 feet beyond the limits of the stockpile and to a depth of approximately 8 inches. Following excavation, a Hart Crowser representative collected confirmation samples from the excavation limits to verify that the soil beneath each stockpile did not contain concentrations of lead and/or PAHs above MTCA Method A cleanup levels. Approximate stockpile excavation limits and sample locations are shown on Figure 3.

Clean harbors loaded and transported 12 truckloads of material from stockpile SP-1 (approximately 358 tons) to Waste Management's RCRA Subtitle C landfill in Arlington, Oregon (ChemWaste); three truckloads of material from stockpile SP-2 (approximately 84 tons) to their Aragonite, Utah facility for incineration; and three truckloads of material from stockpile SP-3 (approximately 91 tons) to Graham Road for disposal. Table 4 provides a summary of source material disposed of, date transported, weight of materials disposed of, and disposal facility. Waste disposal documentation is provided in Appendix B.

The discreet confirmation soil samples from beneath each former stockpile were collected using a stainless-steel trowel, placed directly into laboratory-supplied sample containers, stored in a cooler with ice, and transported under chain-of-custody to TestAmerica for analysis. A total of seven soil samples were collected from the SP-1 excavation limits (samples SP-1EX-1 through SP-1EX-7) and three soil samples were collected from beneath the SP-2 and SP-3 excavation limits (samples SP-2EX-1 through SP-2EX-3 and SP-3EX-1 through SP-3EX-3, respectively).

Each of the confirmation samples were analyzed for total lead and PAHs using the methods referenced above; the confirmation samples from the SP-1 excavation were additionally analyzed for arsenic. Total lead concentrations in the confirmation samples ranged between 10 and 24 mg/kg and arsenic concentrations in the confirmation samples from the SP-1 excavations ranged between 5.5 and 10 mg/kg. PAHs were detected at concentrations greater than the method reporting limits in four of the confirmation samples (SP-1EX-2, SP-1EX-3, SP-1EX-7, and SP-2EX-3); however, detected concentrations of benzo(a)pyrene and calculated toxic equivalent cPAH concentrations were less than MTCA Method A cleanup levels for unrestricted land use. Based on these results, no additional excavation was conducted at the former stockpile locations.

3.4.3 Installation of Perimeter Fencing

After contaminated material was removed from the subject property, the District installed a new security fence to secure the new parcel from the Gun Club property to the west and contaminated area to the south. The fence is constructed of steel poles and chain-link and is approximately 6 feet high. The layout of the new fence is shown on Figure 2.

4.0 CONCLUSIONS AND RECOMMENDATIONS

In November 2018, the District implemented interim actions to address an identified hot spot of lead-contaminated soil (the area around test pit TP-12) and three stockpiles (SP-1, SP-2, and SP-3) contaminated with arsenic, lead, ORPH, and PAHs at the subject property. Materials removed from the site were transported off-site to appropriate, designated facilities for disposal. The material from test pit TP-12 and stockpile SP-3 were disposed at Graham Road landfill; material from stockpile SP-1 was transported to ChemWaste for disposal; and material from stockpile SP-2 was transported to Clean Harbors Aragonite for treatment and disposal.

Site assessment data from the Phase I and Phase II ESAs, additional assessment of the subject property (test pits TP-64 and TP-65), and confirmation samples collected and analyzed as part of the interim action indicates that identified contaminated soil has been removed from the subject property. Additional lead- and PAH-contaminated soil is present on the parcels southwest and south of the subject property; however, a security fence has been constructed to deter access from the subject property to those areas.

Based on assessment data collected and the cleanup actions completed to date, we advise that the District seek a "no further action" determination from Ecology for the subject property.

5.0 REFERENCES

USGS 2018. USGS Scientific Investigations Report 2007-5044, accessed October 3, 2018, https://pubs.usgs.gov/sir/2007/5044/.

Washington Interactive Geologic Map 2018. Washington Interactive Geologic Map, accessed August 16, 2018, https://www.dnr.wa.gov/geologyportal.

Table 1 - Summary of Chemical Analytical Results - Metals in Soil[1]
Former Spokane Gun Club Property
Spokane Valley, Washington

Sample Number	Date Sampled	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)	TCLP Lead (mg/L)	Mercury (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)
Test Pit Samples										
TP-64	11/8/2018	- -	- -	- -	- -	15	- -	- -	- -	- -
TP-65	11/8/2018	- -	- -	- -	- -	13	- -	- -	- -	- -
Composite Stockpile Samples										
SP-1	9/25/2018	**37**	170	8.3 U	12	**3,200**	**43**	0.04	42 U	10 U
SP-2	9/25/2018	11	140	0.72 U	11	**600**	**5.3**	0.04 U	3.6 U	0.9 U
SP-3	9/25/2018	10	160	0.82 U	11	**770**	0.54 J	0.46 U	4.1 U	1.0 U
SP-4	9/25/2018	8.5				53				
SP-5	11/12/2018	- -	- -	- -	- -	96	- -	- -	- -	- -
Confirmation Samples										
SP-1EX-1	11/14/2018	8.5	- -	- -	- -	11	- -	- -	- -	- -
SP-1EX-2	11/14/2018	6.9	- -	- -	- -	15	- -	- -	- -	- -
SP-1EX-3	11/14/2018	10	- -	- -	- -	12	- -	- -	- -	- -
SP-1EX-4	11/14/2018	5.5	- -	- -	- -	10	- -	- -	- -	- -
SP-1EX-5	11/14/2018	6.8	- -	- -	- -	11	- -	- -	- -	- -
SP-1EX-6	11/14/2018	6.9	- -	- -	- -	11	- -	- -	- -	- -
SP-1EX-7	11/14/2018	7.4	- -	- -	- -	24	- -	- -	- -	- -
SP-3EX-1	11/14/2018	- -	- -	- -	- -	11	- -	- -	- -	- -
SP-3EX-2	11/14/2018	- -	- -	- -	- -	12	- -	- -	- -	- -
SP-3EX-3	11/14/2018	- -	- -	- -	- -	12	- -	- -	- -	- -
SP-2EX-1	11/26/2018	- -	- -	- -	- -	12	- -	- -	- -	- -
SP-2EX-2	11/26/2018	- -	- -	- -	- -	10	- -	- -	- -	- -
SP-2EX-3	11/26/2018	- -	- -	- -	- -	12	- -	- -	- -	- -
TP-12EX-N	11/12/2018	- -	- -	- -	- -	29	- -	- -	- -	- -
TP-12EX-S	11/12/2018	- -	- -	- -	- -	27	- -	- -	- -	- -
MTCA Method A Cleanup Level[2]		20	NE	2	19/2000	250	NE	2	NE	NE
Maximum Concentration of Contaminants for the Toxicity Characteristic							5			

Notes:

[1]Chemical analyses conducted by TestAmerica of Spokane, Washington. Total Metals by EPA Method 6010C (As, Ba, Cd, Cr, Pb, Se, Ag) and EPA 7471B (Hg).

[2]MTCA = Washington State, Model Toxics Control Act, Method A Soil Cleanup Levels.

mg/kg = milligrams per kilogram; NE = Not Established; - - = not tested; TCLP = Toxicity Characteristic Leaching Procedure.

BOLD indicates detected concentration is above regulatory limit.

U = analyte not detected at a concentration greater than method reporting limits.

J = Estimated value.

Table 2 - Summary of Chemical Analytical Results - PAHs in Soil[1]
Former Spokane Gun Club Property
Spokane Valley, Washington

	Test Pit Samples (µg/kg)		Composite Stockpile Samples (µg/kg)					Confirmation Samples (µg/kg)												MTCA Method A Cleanup Level (µg/kg)[2]
Sample ID	**TP-64**	**TP-65**	**SP-1**	**SP-2**	**SP-3**	**SP-4**	**SP-5**	**SP-1EX-1**	**SP-1EX-2**	**SP-1EX-3**	**SP-1EX-4**	**SP-1EX-5**	**SP-1EX-6**	**SP-1EX-7**	**SP-2EX-1**	**SP-2EX-2**	**SP-2EX-3**	**SP-3EX-1**	**SP-3EX-2**	**SP-3EX-3**	
Sampling Date	**11/8/18**	**11/8/18**	**9/25/18**	**9/25/18**	**9/25/18**	**9/25/18**	**11/12/18**	**11/14/18**	**11/14/18**	**11/14/18**	**11/14/18**	**11/14/18**	**11/14/18**	**11/14/18**	**11/26/18**	**11/26/18**	**11/26/18**	**11/14/18**	**11/14/18**	**11/14/18**	
Naphthalene	12 U	11 U	510 U	710	78	10 U	- -	10 U	11 U	11 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	
1-Methylnaphthalene	12 U	11 U	510 U	700	52 U	10 U	- -	10 U	11 U	11 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	5,000
2-Methylnaphthalene	12 U	11 U	510 U	790	62	10 U	- -	10 U	11 U	11 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	
Total Naphthalenes	12 U	11 U	510 U	2,200	140	10 U	- -	10 U	11 U	11 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	
Acenaphthene	12 U	11 U	2,100	4,400	570	10 U	- -	10 U	11 U	11 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	
Acenaphthylene	12 U	11 U	510 U	520 U	52 U	10 U	- -	10 U	11 U	11 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	
Anthracene	12 U	11 U	3,100	8,100	860	10 U	- -	10 U	11 U	11 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[a]anthracene	12 U	11 U	22,000	41,000	5,700	18	- -	10 U	11 U	11	11 U	10 U	10 U	34	10 U	10 U	22	10 U	10 U	10 U	
Benzo[a]pyrene	12 U	11 U	**30,000**	**51,000**	**8,500**	28	- -	10 U	11	11 U	11 U	10 U	10 U	50	10 U	10 U	32	10 U	10 U	10 U	100
Benzo[b]fluoranthene	12 U	11 U	33,000	53,000	8,800	24	- -	10 U	13	11 U	11 U	10 U	10 U	54	10 U	10 U	37	10 U	10 U	10 U	
Benzo[g,h,i]perylene	12 U	11 U	16,000	26,000	5,400	22	- -	10 U	11 U	11 U	11 U	10 U	10 U	37	10 U	10 U	23	10 U	10 U	10 U	
Benzo[k]fluoranthene	12 U	11 U	14,000	25,000	3,700	10 U	- -	10 U	11 U	11 U	11 U	10 U	10 U	24	10 U	10 U	16	10 U	10 U	10 U	
Chrysene	12 U	11 U	29,000	54,000	7,400	27	- -	10 U	11	19	11 U	10 U	10 U	45	10 U	10 U	30	10 U	10 U	10 U	
Dibenz(a,h)anthracene	12 U	11 U	5,100	8,500	1,500	10 U	- -	10 U	11 U	11 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	
Fluoranthene	12 U	11 U	33,000	63,000	7,600	17	- -	10 U	11 U	11 U	11 U	10 U	10 U	42	10 U	10 U	27	10 U	10 U	10 U	
Fluorene	12 U	11 U	660	1,700	170	10 U	- -	10 U	11 U	11 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	
Indeno[1,2,3-cd]pyrene	12 U	11 U	15,000	24,000	4,800	13	- -	10 U	11 U	11 U	11 U	10 U	10 U	30	10 U	10 U	19	10 U	10 U	10 U	
Phenanthrene	12 U	11 U	14,000	36,000	3,400	10 U	- -	10 U	11 U	21	11 U	10 U	10 U	16	10 U	10 U	11	10 U	10 U	10 U	
Pyrene	12 U	11 U	36,000	72,000	9,400	28	- -	10 U	12	25	11 U	10 U	10 U	58	10 U	10 U	35	10 U	10 U	10 U	
cPAH TEQ[3]	NC	NC	**39,200**	**66,690**	**11,024**	34	- -	NC	12	1	NC	NC	NC	65	NC	NC	42	NC	NC	NC	100

Notes:

[1]Chemical analyses conducted by TestAmerica Labs of Spokane, Washington. Polycyclic Aromatic Hydrocarbons analyzed by EPA Method 8270C.

[2]MTCA Method A cleanup level for unrestricted land use.

[3]MTCA 173-340-708 was utilized to assess total cPAH concentration using Toxicity Equivalency Factors shown in Table 708-2 of MTCA.

µg/kg = micrograms per kilogram; - - = not tested; NC = not calculated.

BOLD indicates detected concentration is above the applicable cleanup level.

U = analyte not detected at a concentration greater than method reporting limits.

J = estimated value.

Table 3 - Summary of Chemical Analytical Results - Petroleum, VOCs, and PCBs in Soil[1]
Former Spokane Gun Club Property
Spokane Valley, Washington

Stockpile/ Sample Number	Date Sampled	Hydrocarbon Identification (HCID)[2]			Total Petroleum Hydrocarbons Diesel and Oil[3]		VOC[4] (mg/kg)	PCB[5] (mg/kg)
		GRPH (mg/kg)	DRPH (mg/kg)	ORPH (mg/kg)	DRO (mg/kg)	RRO (mg/kg)		
SP-1	9/25/18	26 U	193 J	994 J	250	1200	ND	- -
SP-2	9/25/18	25 U	310	1,400	740	**2,900**	ND	ND
SP-3	9/25/18	25 U	130	680	170	730	ND	- -
SP-4	9/25/18	25 U	50 U	100 U	- -	- -	- -	- -
MTCA Cleanup Level[6]		100/30[7]	2,000	2,000	2,000	2,000	Varies	1.0

Notes:

[1]Chemical analyses conducted by TestAmerica Labs in Spokane, Washington.

[2]Gasoline-, diesel-, and heavy oil-range petroleum hydrocarbons (GRPH, DRPH, and ORPH, respectively) were analyzed using Northwest Method NWTPH-HCID.

[3] DRPH and ORPH were analyzed using Northwest Method NWTPH-Dx.

[4]Volatile organic compounds (VOC) were analyzed using EPA Method 8260B.

[5]Polychlorinated biphenyls (PCB) were analyzed using EPA Method 8082.

[6]MTCA = Washington State, Model Toxics Control Act, Method A Soil Cleanup Levels (Chapter 173-400 WAC Tables 740-1 and 745-1).

[7]GRPH cleanup level is 100 mg/kg if benzene is not present; 30 mg/kg if benzene is present.

mg/kg = milligrams per kilogram; '- -' = not tested; ND = not detected.

BOLD indicates detected concentration is above the applicable cleanup level.

U = analyte not detected at a concentration greater than method reporting limits.

J = estimated value.

Table 4 - Summary of Waste Disposal
Former Spokane Gun Club Property
Spokane Valley, Washington

Source Material	Date	Quantity Disposed (Tons)	Disposal Facility
Stockpile SP-3	11/14/2018	90.82	WM Graham Road Landfill, Medical Lake, WA
Test Pit TP-12	11/28/2018	19.6	
	Subtotal	**110.42**	
Stockpile SP-1	11/13/2018	206.60	Waste Management ChemWaste, Arlington, OR
	11/14/2018	94.25	
	11/15/2018	30.79	
	11/16/2018	26.50	
	Subtotal	**358.14**	
Stockpile SP-2	11/27/2018	84.19	Clean Harbors Aragonite, LLC, Aragonite, UT
	Subtotal	**84.19**	
	Total	**552.75**	

0 0.25 0.5 1 Miles

N

Interim Action
North Henry Road and East Sprague Avenue
Greenacres, Washington

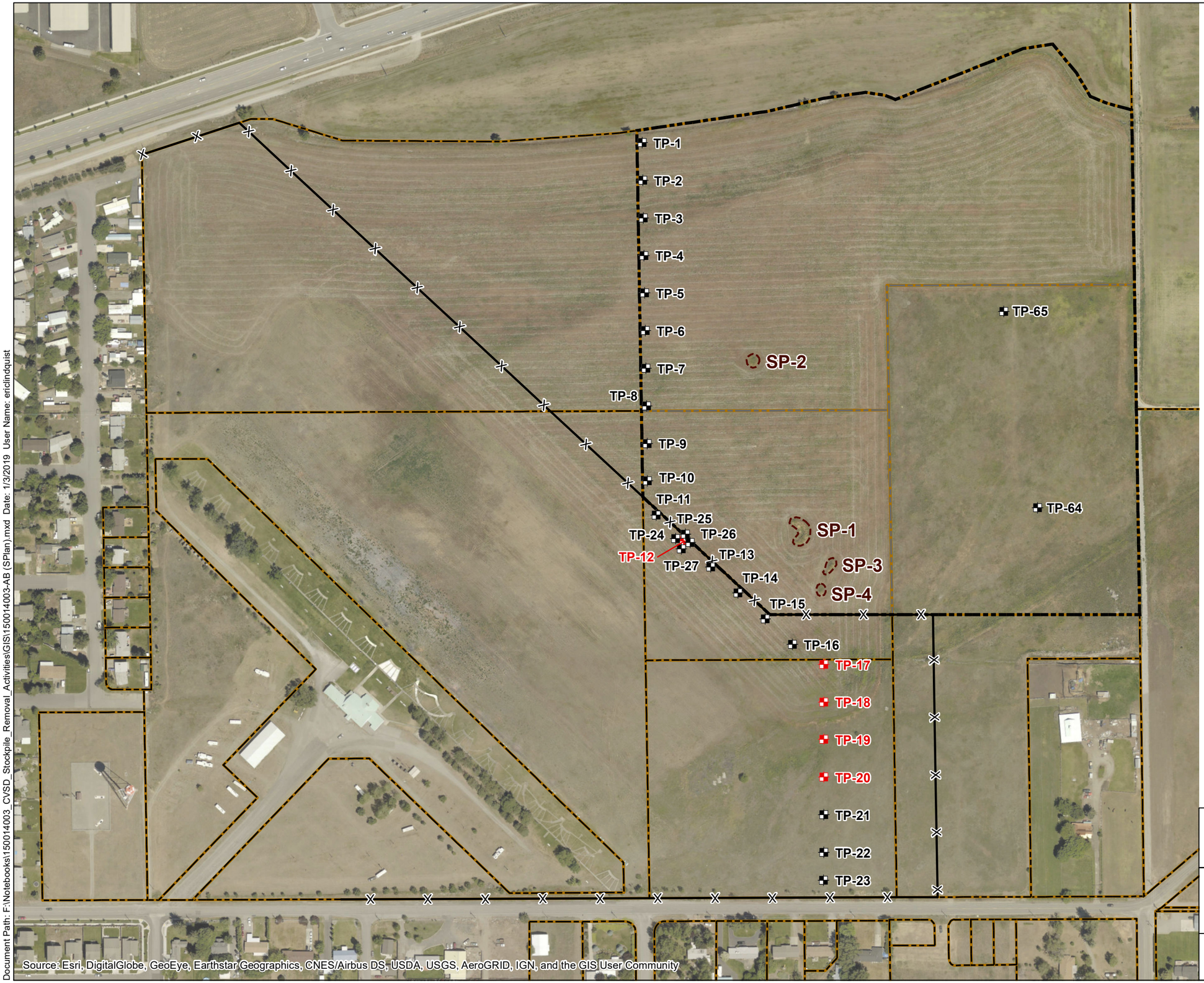
Vicinity Map

150-014-003 1/19

HARTCROWSER

Figure 1

Document Path: F:\Notebooks\150014003_CVSD_Stockpile_Removal_Activities\GIS\150014003-AA (VMap).mxd Date: 1/2/2019 User Name: ericlindquist



Legend

- Test Pit
- Test Pit with Contaminant Concentration(s) that Exceeds MTCA Cleanup Level
- New Fence
- Stockpile
- New Parcel Boundary
- Parcel Boundary
- Former Parcel Boundary

0 125 250 500

Scale in Feet

N

Interim Action
North Henry Road and East Sprague Avenue
Greenacres, Washington

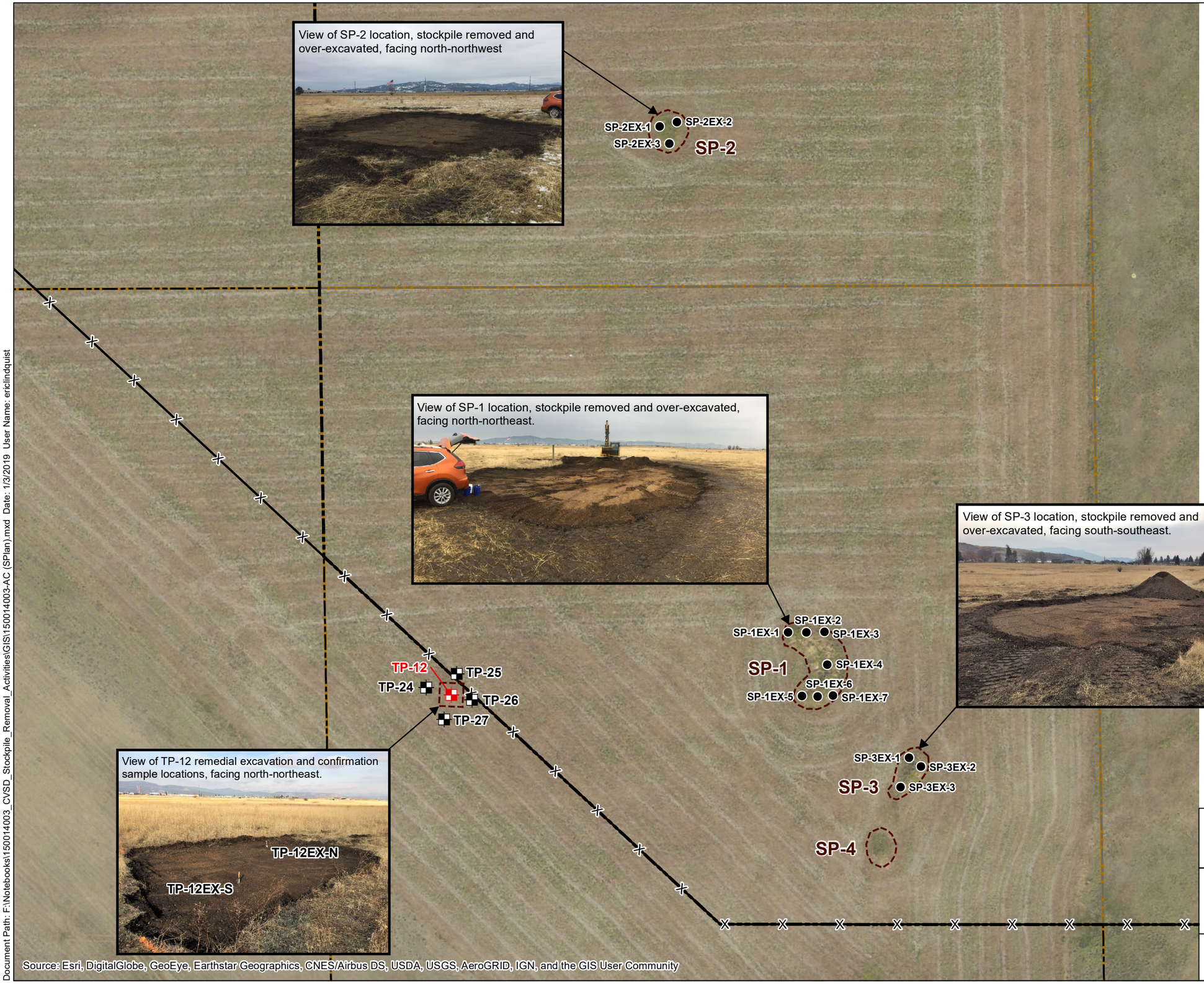
Site Plan

150-014-003 1/19

HARTCROWSER

Figure
2

Document Path: F:\Notebooks\150014003_CVSD_Stockpile_Removal_Activities\GIS\150014003-AB (SPlan).mxd Date: 1/3/2019 User Name: ericlindquist



Legend

- Stockpile Sample
- Test Pit with Contaminant Concentration(s) that Exceeds MTCA Cleanup Level
- Test Pit
- New Fence
- New Parcel Boundary
- Former Parcel Boundary
- Stockpile/Excavation
- Parcel Boundary

0 40 80 160

Scale in Feet

N

Interim Action
North Henry Road and East Sprague Avenue
Greenacres, Washington

Interim Action Site Plan

150-014-003 1/19

HARTCROWSER

Figure
3

Document Path: F:\Notebooks\150014003_CVSD_Stockpile_Removal_Activities\GIS\150014003-AC (SPlan).mxd Date: 1/3/2019 User Name: ericlindquist

APPENDIX A
Laboratory Reports

APPENDIX B
Disposal Documentation

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

TestAmerica Job ID: 590-9464-1
Client Project/Site: CVSD/15014001

For:
Hart Crowser, Inc.
505 West Riverside Avenue, Suite 205
Spokane, Washington 99201

Attn: John Haney

Authorized for release by:
10/5/2018 1:58:04 PM

Randee Arrington, Project Manager II
(509)924-9200
randee.arrington@testamericainc.com

Table of Contents

Case Narrative

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9464-1

Job ID: 590-9464-1

Laboratory: TestAmerica Spokane

Narrative

Receipt
The samples were received on 9/26/2018 10:18 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6º C.

Receipt Exceptions
The following sample was listed on the Chain of Custody (COC); however, no sample was received: TP-41-6 (590-9464-40).

GC/MS Semi VOA
Method 8270D SIM: Due to the high concentration of multiple analytes, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 590-19137 and analytical batch 590-19135 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

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

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

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

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

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

Sample Summary

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9464-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-9464-1	TP-24-6	Solid	09/25/18 09:15	09/26/18 10:18
590-9464-3	TP-25-6	Solid	09/25/18 09:25	09/26/18 10:18
590-9464-5	TP-27-6	Solid	09/25/18 09:40	09/26/18 10:18
590-9464-7	TP-26-6	Solid	09/25/18 09:55	09/26/18 10:18
590-9464-9	TP-30-6	Solid	09/25/18 10:25	09/26/18 10:18
590-9464-11	TP-28-6	Solid	09/25/18 10:30	09/26/18 10:18
590-9464-13	TP-29-6	Solid	09/25/18 10:45	09/26/18 10:18
590-9464-15	TP-31-6	Solid	09/25/18 11:00	09/26/18 10:18
590-9464-17	TP-33-6	Solid	09/25/18 11:25	09/26/18 10:18
590-9464-19	TP-18-18	Solid	09/25/18 11:45	09/26/18 10:18
590-9464-21	TP-32-6	Solid	09/25/18 12:10	09/26/18 10:18
590-9464-23	TP-34-6	Solid	09/25/18 12:20	09/26/18 10:18
590-9464-25	TP-36-6	Solid	09/25/18 12:30	09/26/18 10:18
590-9464-27	TP-38-6	Solid	09/25/18 12:40	09/26/18 10:18
590-9464-29	TP-40-6	Solid	09/25/18 13:00	09/26/18 10:18
590-9464-31	TP-19-18	Solid	09/25/18 13:20	09/26/18 10:18
590-9464-33	TP-37-6	Solid	09/25/18 13:25	09/26/18 10:18
590-9464-35	TP-35-6	Solid	09/25/18 13:30	09/26/18 10:18
590-9464-37	TP-39-6	Solid	09/25/18 13:40	09/26/18 10:18
590-9464-42	TP-20-12	Solid	09/25/18 14:20	09/26/18 10:18
590-9464-45	TP-42-6	Solid	09/25/18 14:30	09/26/18 10:18
590-9464-47	TP-43-6	Solid	09/25/18 14:45	09/26/18 10:18
590-9464-49	SP-1	Solid	09/25/18 15:20	09/26/18 10:18
590-9464-50	SP-2	Solid	09/25/18 15:30	09/26/18 10:18
590-9464-51	SP-3	Solid	09/25/18 15:47	09/26/18 10:18
590-9464-52	SP-4	Solid	09/25/18 15:52	09/26/18 10:18

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

GC Semi VOA

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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Client Sample ID: TP-24-6

Lab Sample ID: 590-9464-1
Date Collected: 09/25/18 09:15
Matrix: Solid
Date Received: 09/26/18 10:18
Percent Solids: 97.4

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	22		2.7		mg/Kg	☼	10/01/18 12:25	10/02/18 11:48	1

Client Sample ID: TP-25-6

Lab Sample ID: 590-9464-3
Date Collected: 09/25/18 09:25
Matrix: Solid
Date Received: 09/26/18 10:18
Percent Solids: 96.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	110		2.6		mg/Kg	☼	10/01/18 12:25	10/03/18 18:02	1

Client Sample ID: TP-27-6

Lab Sample ID: 590-9464-5
Date Collected: 09/25/18 09:40
Matrix: Solid
Date Received: 09/26/18 10:18
Percent Solids: 97.4

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	170		2.8		mg/Kg	☼	10/01/18 12:25	10/03/18 18:05	1

Client Sample ID: TP-26-6

Lab Sample ID: 590-9464-7
Date Collected: 09/25/18 09:55
Matrix: Solid
Date Received: 09/26/18 10:18
Percent Solids: 97.5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	74		2.6		mg/Kg	☼	10/01/18 12:25	10/03/18 18:19	1

Client Sample ID: TP-30-6

Lab Sample ID: 590-9464-9
Date Collected: 09/25/18 10:25
Matrix: Solid
Date Received: 09/26/18 10:18
Percent Solids: 92.2

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		52		ug/Kg	☼	10/01/18 09:55	10/01/18 14:44	5
2-Methylnaphthalene	ND		52		ug/Kg	☼	10/01/18 09:55	10/01/18 14:44	5
1-Methylnaphthalene	ND		52		ug/Kg	☼	10/01/18 09:55	10/01/18 14:44	5
Acenaphthylene	ND		52		ug/Kg	☼	10/01/18 09:55	10/01/18 14:44	5
Acenaphthene	280		52		ug/Kg	☼	10/01/18 09:55	10/01/18 14:44	5
Fluorene	78		52		ug/Kg	☼	10/01/18 09:55	10/01/18 14:44	5
Phenanthrene	1500	F2	52		ug/Kg	☼	10/01/18 09:55	10/01/18 14:44	5
Anthracene	350	F1 F2	52		ug/Kg	☼	10/01/18 09:55	10/01/18 14:44	5
Fluoranthene	3600	F2	52		ug/Kg	☼	10/01/18 09:55	10/01/18 14:44	5
Pyrene	4300	F2	52		ug/Kg	☼	10/01/18 09:55	10/01/18 14:44	5
Benzo[a]anthracene	3000	F2	52		ug/Kg	☼	10/01/18 09:55	10/01/18 14:44	5
Chrysene	3900	F2	52		ug/Kg	☼	10/01/18 09:55	10/01/18 14:44	5
Benzo[b]fluoranthene	5100	F2	52		ug/Kg	☼	10/01/18 09:55	10/01/18 14:44	5
Benzo[k]fluoranthene	1900	F2	52		ug/Kg	☼	10/01/18 09:55	10/01/18 14:44	5
Benzo[a]pyrene	4400	F2	52		ug/Kg	☼	10/01/18 09:55	10/01/18 14:44	5
Indeno[1,2,3-cd]pyrene	2500	F2	52		ug/Kg	☼	10/01/18 09:55	10/01/18 14:44	5
Dibenz(a,h)anthracene	810	F1 F2	52		ug/Kg	☼	10/01/18 09:55	10/01/18 14:44	5
Benzo[g,h,i]perylene	3000	F2	52		ug/Kg	☼	10/01/18 09:55	10/01/18 14:44	5

Client Sample ID: TP-30-6

Lab Sample ID: 590-9464-9
Date Collected: 09/25/18 10:25
Matrix: Solid
Date Received: 09/26/18 10:18
Percent Solids: 92.2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*76*		*23 - 120*	*10/01/18 09:55*	*10/01/18 14:44*	*5*
2-Fluorobiphenyl (Surr)	*77*		*38 - 123*	*10/01/18 09:55*	*10/01/18 14:44*	*5*
p-Terphenyl-d14	*90*		*68 - 136*	*10/01/18 09:55*	*10/01/18 14:44*	*5*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**13**		1.2		mg/Kg	☼	10/01/18 12:25	10/03/18 18:22	1
Lead	**770**		2.9		mg/Kg	☼	10/01/18 12:25	10/03/18 18:22	1

Client Sample ID: TP-28-6

Lab Sample ID: 590-9464-11
Date Collected: 09/25/18 10:30
Matrix: Solid
Date Received: 09/26/18 10:18
Percent Solids: 95.3

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:09	1
2-Methylnaphthalene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:09	1
1-Methylnaphthalene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:09	1
Acenaphthylene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:09	1
Acenaphthene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:09	1
Fluorene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:09	1
Phenanthrene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:09	1
Anthracene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:09	1
Fluoranthene	**25**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:09	1
Pyrene	**28**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:09	1
Benzo[a]anthracene	**18**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:09	1
Chrysene	**26**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:09	1
Benzo[b]fluoranthene	**32**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:09	1
Benzo[k]fluoranthene	**11**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:09	1
Benzo[a]pyrene	**26**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:09	1
Indeno[1,2,3-cd]pyrene	**15**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:09	1
Dibenz(a,h)anthracene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:09	1
Benzo[g,h,i]perylene	**19**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*72*		*23 - 120*	*10/01/18 09:55*	*10/01/18 15:09*	*1*
2-Fluorobiphenyl (Surr)	*75*		*38 - 123*	*10/01/18 09:55*	*10/01/18 15:09*	*1*
p-Terphenyl-d14	*92*		*68 - 136*	*10/01/18 09:55*	*10/01/18 15:09*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.1**		1.2		mg/Kg	☼	10/01/18 12:25	10/03/18 18:26	1
Lead	**33**		2.9		mg/Kg	☼	10/01/18 12:25	10/03/18 18:26	1

Client Sample ID: TP-29-6

Lab Sample ID: 590-9464-13
Date Collected: 09/25/18 10:45
Matrix: Solid
Date Received: 09/26/18 10:18
Percent Solids: 94.8

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:34	1

Client Sample ID: TP-29-6

Date Collected: 09/25/18 10:45
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-13

Matrix: Solid
Percent Solids: 94.8

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:34	1
1-Methylnaphthalene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:34	1
Acenaphthylene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:34	1
Acenaphthene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:34	1
Fluorene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:34	1
Phenanthrene	**41**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:34	1
Anthracene	**11**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:34	1
Fluoranthene	**110**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:34	1
Pyrene	**140**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:34	1
Benzo[a]anthracene	**96**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:34	1
Chrysene	**130**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:34	1
Benzo[b]fluoranthene	**170**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:34	1
Benzo[k]fluoranthene	**61**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:34	1
Benzo[a]pyrene	**140**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:34	1
Indeno[1,2,3-cd]pyrene	**83**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:34	1
Dibenz(a,h)anthracene	**25**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:34	1
Benzo[g,h,i]perylene	**100**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*83*		*23 - 120*	*10/01/18 09:55*	*10/01/18 15:34*	*1*
2-Fluorobiphenyl (Surr)	*85*		*38 - 123*	*10/01/18 09:55*	*10/01/18 15:34*	*1*
p-Terphenyl-d14	*102*		*68 - 136*	*10/01/18 09:55*	*10/01/18 15:34*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.8**		1.1		mg/Kg	☼	10/01/18 12:25	10/03/18 18:30	1
Lead	**81**		2.7		mg/Kg	☼	10/01/18 12:25	10/03/18 18:30	1

Client Sample ID: TP-31-6

Date Collected: 09/25/18 11:00
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-15

Matrix: Solid
Percent Solids: 95.0

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 15:59	1
2-Methylnaphthalene	ND		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 15:59	1
1-Methylnaphthalene	ND		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 15:59	1
Acenaphthylene	ND		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 15:59	1
Acenaphthene	ND		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 15:59	1
Fluorene	ND		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 15:59	1
Phenanthrene	**11**		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 15:59	1
Anthracene	ND		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 15:59	1
Fluoranthene	**30**		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 15:59	1
Pyrene	**35**		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 15:59	1
Benzo[a]anthracene	**22**		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 15:59	1
Chrysene	**31**		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 15:59	1
Benzo[b]fluoranthene	**41**		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 15:59	1
Benzo[k]fluoranthene	**15**		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 15:59	1
Benzo[a]pyrene	**34**		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 15:59	1
Indeno[1,2,3-cd]pyrene	**20**		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 15:59	1

Client Sample ID: TP-31-6

Date Collected: 09/25/18 11:00
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-15
Matrix: Solid
Percent Solids: 95.0

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 15:59	1
Benzo[g,h,i]perylene	**25**		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*80*		*23 - 120*	*10/01/18 09:55*	*10/01/18 15:59*	*1*
2-Fluorobiphenyl (Surr)	*84*		*38 - 123*	*10/01/18 09:55*	*10/01/18 15:59*	*1*
p-Terphenyl-d14	*97*		*68 - 136*	*10/01/18 09:55*	*10/01/18 15:59*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**8.0**		1.2		mg/Kg	☼	10/01/18 12:25	10/03/18 18:33	1
Lead	**270**		2.8		mg/Kg	☼	10/01/18 12:25	10/03/18 18:33	1

Client Sample ID: TP-33-6

Date Collected: 09/25/18 11:25
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-17
Matrix: Solid
Percent Solids: 93.7

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1000		ug/Kg	☼	10/01/18 09:55	10/01/18 16:23	100
2-Methylnaphthalene	ND		1000		ug/Kg	☼	10/01/18 09:55	10/01/18 16:23	100
1-Methylnaphthalene	ND		1000		ug/Kg	☼	10/01/18 09:55	10/01/18 16:23	100
Acenaphthylene	ND		1000		ug/Kg	☼	10/01/18 09:55	10/01/18 16:23	100
Acenaphthene	ND		1000		ug/Kg	☼	10/01/18 09:55	10/01/18 16:23	100
Fluorene	ND		1000		ug/Kg	☼	10/01/18 09:55	10/01/18 16:23	100
Phenanthrene	**1700**		1000		ug/Kg	☼	10/01/18 09:55	10/01/18 16:23	100
Anthracene	ND		1000		ug/Kg	☼	10/01/18 09:55	10/01/18 16:23	100
Fluoranthene	**1400**		1000		ug/Kg	☼	10/01/18 09:55	10/01/18 16:23	100
Pyrene	**8600**		1000		ug/Kg	☼	10/01/18 09:55	10/01/18 16:23	100
Benzo[a]anthracene	**8100**		1000		ug/Kg	☼	10/01/18 09:55	10/01/18 16:23	100
Chrysene	**12000**		1000		ug/Kg	☼	10/01/18 09:55	10/01/18 16:23	100
Benzo[b]fluoranthene	**4100**		1000		ug/Kg	☼	10/01/18 09:55	10/01/18 16:23	100
Benzo[k]fluoranthene	ND		1000		ug/Kg	☼	10/01/18 09:55	10/01/18 16:23	100
Benzo[a]pyrene	**12000**		1000		ug/Kg	☼	10/01/18 09:55	10/01/18 16:23	100
Indeno[1,2,3-cd]pyrene	**1700**		1000		ug/Kg	☼	10/01/18 09:55	10/01/18 16:23	100
Dibenz(a,h)anthracene	**1500**		1000		ug/Kg	☼	10/01/18 09:55	10/01/18 16:23	100
Benzo[g,h,i]perylene	**6500**		1000		ug/Kg	☼	10/01/18 09:55	10/01/18 16:23	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*81*		*23 - 120*	*10/01/18 09:55*	*10/01/18 16:23*	*100*
2-Fluorobiphenyl (Surr)	*75*		*38 - 123*	*10/01/18 09:55*	*10/01/18 16:23*	*100*
p-Terphenyl-d14	*88*		*68 - 136*	*10/01/18 09:55*	*10/01/18 16:23*	*100*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**10**		1.2		mg/Kg	☼	10/01/18 12:25	10/03/18 18:37	1
Lead	**400**		2.8		mg/Kg	☼	10/01/18 12:25	10/03/18 18:37	1

Client Sample ID: TP-18-18

Date Collected: 09/25/18 11:45
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-19

Matrix: Solid
Percent Solids: 95.2

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 16:48	1
2-Methylnaphthalene	ND		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 16:48	1
1-Methylnaphthalene	ND		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 16:48	1
Acenaphthylene	ND		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 16:48	1
Acenaphthene	ND		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 16:48	1
Fluorene	ND		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 16:48	1
Phenanthrene	ND		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 16:48	1
Anthracene	ND		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 16:48	1
Fluoranthene	ND		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 16:48	1
Pyrene	**10**		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 16:48	1
Benzo[a]anthracene	ND		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 16:48	1
Chrysene	ND		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 16:48	1
Benzo[b]fluoranthene	**13**		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 16:48	1
Benzo[k]fluoranthene	ND		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 16:48	1
Benzo[a]pyrene	**10**		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 16:48	1
Indeno[1,2,3-cd]pyrene	ND		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 16:48	1
Dibenz(a,h)anthracene	ND		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 16:48	1
Benzo[g,h,i]perylene	ND		9.9		ug/Kg	☼	10/01/18 09:55	10/01/18 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*81*		*23 - 120*	*10/01/18 09:55*	*10/01/18 16:48*	*1*
2-Fluorobiphenyl (Surr)	*76*		*38 - 123*	*10/01/18 09:55*	*10/01/18 16:48*	*1*
p-Terphenyl-d14	*99*		*68 - 136*	*10/01/18 09:55*	*10/01/18 16:48*	*1*

Client Sample ID: TP-32-6

Date Collected: 09/25/18 12:10
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-21

Matrix: Solid
Percent Solids: 92.5

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		54		ug/Kg	☼	10/01/18 09:55	10/01/18 17:13	5
2-Methylnaphthalene	ND		54		ug/Kg	☼	10/01/18 09:55	10/01/18 17:13	5
1-Methylnaphthalene	ND		54		ug/Kg	☼	10/01/18 09:55	10/01/18 17:13	5
Acenaphthylene	ND		54		ug/Kg	☼	10/01/18 09:55	10/01/18 17:13	5
Acenaphthene	**250**		54		ug/Kg	☼	10/01/18 09:55	10/01/18 17:13	5
Fluorene	**68**		54		ug/Kg	☼	10/01/18 09:55	10/01/18 17:13	5
Phenanthrene	**1300**		54		ug/Kg	☼	10/01/18 09:55	10/01/18 17:13	5
Anthracene	**330**		54		ug/Kg	☼	10/01/18 09:55	10/01/18 17:13	5
Fluoranthene	**3300**		54		ug/Kg	☼	10/01/18 09:55	10/01/18 17:13	5
Pyrene	**3900**		54		ug/Kg	☼	10/01/18 09:55	10/01/18 17:13	5
Benzo[a]anthracene	**2600**		54		ug/Kg	☼	10/01/18 09:55	10/01/18 17:13	5
Chrysene	**3300**		54		ug/Kg	☼	10/01/18 09:55	10/01/18 17:13	5
Benzo[b]fluoranthene	**4300**		54		ug/Kg	☼	10/01/18 09:55	10/01/18 17:13	5
Benzo[k]fluoranthene	**1900**		54		ug/Kg	☼	10/01/18 09:55	10/01/18 17:13	5
Benzo[a]pyrene	**4100**		54		ug/Kg	☼	10/01/18 09:55	10/01/18 17:13	5
Indeno[1,2,3-cd]pyrene	**2300**		54		ug/Kg	☼	10/01/18 09:55	10/01/18 17:13	5
Dibenz(a,h)anthracene	**750**		54		ug/Kg	☼	10/01/18 09:55	10/01/18 17:13	5
Benzo[g,h,i]perylene	**2700**		54		ug/Kg	☼	10/01/18 09:55	10/01/18 17:13	5

Client Sample ID: TP-32-6

Date Collected: 09/25/18 12:10
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-21

Matrix: Solid
Percent Solids: 92.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*71*		*23 - 120*	*10/01/18 09:55*	*10/01/18 17:13*	*5*
2-Fluorobiphenyl (Surr)	*75*		*38 - 123*	*10/01/18 09:55*	*10/01/18 17:13*	*5*
p-Terphenyl-d14	*82*		*68 - 136*	*10/01/18 09:55*	*10/01/18 17:13*	*5*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**11**		1.2		mg/Kg	☼	10/01/18 12:25	10/03/18 18:41	1
Lead	**650**		2.9		mg/Kg	☼	10/01/18 12:25	10/03/18 18:41	1

Client Sample ID: TP-34-6

Date Collected: 09/25/18 12:20
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-23

Matrix: Solid
Percent Solids: 93.8

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 17:38	1
2-Methylnaphthalene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 17:38	1
1-Methylnaphthalene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 17:38	1
Acenaphthylene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 17:38	1
Acenaphthene	**34**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 17:38	1
Fluorene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 17:38	1
Phenanthrene	**180**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 17:38	1
Anthracene	**44**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 17:38	1
Fluoranthene	**470**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 17:38	1
Pyrene	**590**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 17:38	1
Benzo[a]anthracene	**380**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 17:38	1
Chrysene	**500**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 17:38	1
Benzo[b]fluoranthene	**590**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 17:38	1
Benzo[k]fluoranthene	**270**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 17:38	1
Benzo[a]pyrene	**550**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 17:38	1
Indeno[1,2,3-cd]pyrene	**300**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 17:38	1
Dibenz(a,h)anthracene	**99**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 17:38	1
Benzo[g,h,i]perylene	**370**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*83*		*23 - 120*	*10/01/18 09:55*	*10/01/18 17:38*	*1*
2-Fluorobiphenyl (Surr)	*86*		*38 - 123*	*10/01/18 09:55*	*10/01/18 17:38*	*1*
p-Terphenyl-d14	*106*		*68 - 136*	*10/01/18 09:55*	*10/01/18 17:38*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.4**		1.1		mg/Kg	☼	10/01/18 12:25	10/03/18 18:45	1
Lead	**81**		2.7		mg/Kg	☼	10/01/18 12:25	10/03/18 18:45	1

Client Sample ID: TP-36-6

Date Collected: 09/25/18 12:30
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-25

Matrix: Solid
Percent Solids: 94.3

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:03	1

Client Sample ID: TP-36-6

Date Collected: 09/25/18 12:30
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-25

Matrix: Solid
Percent Solids: 94.3

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:03	1
1-Methylnaphthalene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:03	1
Acenaphthylene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:03	1
Acenaphthene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:03	1
Fluorene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:03	1
Phenanthrene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:03	1
Anthracene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:03	1
Fluoranthene	**26**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:03	1
Pyrene	**31**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:03	1
Benzo[a]anthracene	**20**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:03	1
Chrysene	**29**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:03	1
Benzo[b]fluoranthene	**33**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:03	1
Benzo[k]fluoranthene	**14**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:03	1
Benzo[a]pyrene	**30**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:03	1
Indeno[1,2,3-cd]pyrene	**16**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:03	1
Dibenz(a,h)anthracene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:03	1
Benzo[g,h,i]perylene	**20**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*76*		*23 - 120*	*10/01/18 09:55*	*10/01/18 18:03*	*1*
2-Fluorobiphenyl (Surr)	*77*		*38 - 123*	*10/01/18 09:55*	*10/01/18 18:03*	*1*
p-Terphenyl-d14	*94*		*68 - 136*	*10/01/18 09:55*	*10/01/18 18:03*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.0**		1.2		mg/Kg	☼	10/01/18 12:25	10/03/18 18:48	1
Lead	**28**		2.8		mg/Kg	☼	10/01/18 12:25	10/03/18 18:48	1

Client Sample ID: TP-38-6

Date Collected: 09/25/18 12:40
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-27

Matrix: Solid
Percent Solids: 94.5

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:27	1
2-Methylnaphthalene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:27	1
1-Methylnaphthalene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:27	1
Acenaphthylene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:27	1
Acenaphthene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:27	1
Fluorene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:27	1
Phenanthrene	**17**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:27	1
Anthracene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:27	1
Fluoranthene	**43**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:27	1
Pyrene	**53**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:27	1
Benzo[a]anthracene	**33**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:27	1
Chrysene	**44**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:27	1
Benzo[b]fluoranthene	**55**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:27	1
Benzo[k]fluoranthene	**19**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:27	1
Benzo[a]pyrene	**47**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:27	1
Indeno[1,2,3-cd]pyrene	**24**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:27	1

Client Sample ID: TP-38-6

Date Collected: 09/25/18 12:40
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-27

Matrix: Solid
Percent Solids: 94.5

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:27	1
Benzo[g,h,i]perylene	**30**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*71*		*23 - 120*	*10/01/18 09:55*	*10/01/18 18:27*	*1*
2-Fluorobiphenyl (Surr)	*69*		*38 - 123*	*10/01/18 09:55*	*10/01/18 18:27*	*1*
p-Terphenyl-d14	*89*		*68 - 136*	*10/01/18 09:55*	*10/01/18 18:27*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.8**		1.1		mg/Kg	☼	10/01/18 12:25	10/03/18 18:52	1
Lead	**27**		2.6		mg/Kg	☼	10/01/18 12:25	10/03/18 18:52	1

Client Sample ID: TP-40-6

Date Collected: 09/25/18 13:00
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-29

Matrix: Solid
Percent Solids: 94.2

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:52	1
2-Methylnaphthalene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:52	1
1-Methylnaphthalene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:52	1
Acenaphthylene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:52	1
Acenaphthene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:52	1
Fluorene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:52	1
Phenanthrene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:52	1
Anthracene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:52	1
Fluoranthene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:52	1
Pyrene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:52	1
Benzo[a]anthracene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:52	1
Chrysene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:52	1
Benzo[b]fluoranthene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:52	1
Benzo[k]fluoranthene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:52	1
Benzo[a]pyrene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:52	1
Indeno[1,2,3-cd]pyrene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:52	1
Dibenz(a,h)anthracene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:52	1
Benzo[g,h,i]perylene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*80*		*23 - 120*	*10/01/18 09:55*	*10/01/18 18:52*	*1*
2-Fluorobiphenyl (Surr)	*84*		*38 - 123*	*10/01/18 09:55*	*10/01/18 18:52*	*1*
p-Terphenyl-d14	*99*		*68 - 136*	*10/01/18 09:55*	*10/01/18 18:52*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.7**		1.2		mg/Kg	☼	10/01/18 12:25	10/03/18 19:05	1
Lead	**13**		2.8		mg/Kg	☼	10/01/18 12:25	10/03/18 19:05	1

Client Sample ID: TP-19-18

Lab Sample ID: 590-9464-31
Date Collected: 09/25/18 13:20
Matrix: Solid
Date Received: 09/26/18 10:18
Percent Solids: 92.7

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		21		ug/Kg	☼	10/01/18 09:55	10/01/18 19:17	2
2-Methylnaphthalene	ND		21		ug/Kg	☼	10/01/18 09:55	10/01/18 19:17	2
1-Methylnaphthalene	ND		21		ug/Kg	☼	10/01/18 09:55	10/01/18 19:17	2
Acenaphthylene	ND		21		ug/Kg	☼	10/01/18 09:55	10/01/18 19:17	2
Acenaphthene	**74**		21		ug/Kg	☼	10/01/18 09:55	10/01/18 19:17	2
Fluorene	ND		21		ug/Kg	☼	10/01/18 09:55	10/01/18 19:17	2
Phenanthrene	**340**		21		ug/Kg	☼	10/01/18 09:55	10/01/18 19:17	2
Anthracene	**92**		21		ug/Kg	☼	10/01/18 09:55	10/01/18 19:17	2
Fluoranthene	**1100**		21		ug/Kg	☼	10/01/18 09:55	10/01/18 19:17	2
Pyrene	**1200**		21		ug/Kg	☼	10/01/18 09:55	10/01/18 19:17	2
Benzo[a]anthracene	**860**		21		ug/Kg	☼	10/01/18 09:55	10/01/18 19:17	2
Chrysene	**1100**		21		ug/Kg	☼	10/01/18 09:55	10/01/18 19:17	2
Benzo[b]fluoranthene	**1400**		21		ug/Kg	☼	10/01/18 09:55	10/01/18 19:17	2
Benzo[k]fluoranthene	**570**		21		ug/Kg	☼	10/01/18 09:55	10/01/18 19:17	2
Benzo[a]pyrene	**1300**		21		ug/Kg	☼	10/01/18 09:55	10/01/18 19:17	2
Indeno[1,2,3-cd]pyrene	**690**		21		ug/Kg	☼	10/01/18 09:55	10/01/18 19:17	2
Dibenz(a,h)anthracene	**220**		21		ug/Kg	☼	10/01/18 09:55	10/01/18 19:17	2
Benzo[g,h,i]perylene	**790**		21		ug/Kg	☼	10/01/18 09:55	10/01/18 19:17	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*80*		*23 - 120*	*10/01/18 09:55*	*10/01/18 19:17*	*2*
2-Fluorobiphenyl (Surr)	*80*		*38 - 123*	*10/01/18 09:55*	*10/01/18 19:17*	*2*
p-Terphenyl-d14	*89*		*68 - 136*	*10/01/18 09:55*	*10/01/18 19:17*	*2*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**8.6**		1.1		mg/Kg	☼	10/01/18 12:25	10/03/18 19:09	1
Lead	**150**		2.6		mg/Kg	☼	10/01/18 12:25	10/03/18 19:09	1

Client Sample ID: TP-37-6

Lab Sample ID: 590-9464-33
Date Collected: 09/25/18 13:25
Matrix: Solid
Date Received: 09/26/18 10:18
Percent Solids: 90.1

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		53		ug/Kg	☼	10/01/18 09:55	10/01/18 19:42	5
2-Methylnaphthalene	ND		53		ug/Kg	☼	10/01/18 09:55	10/01/18 19:42	5
1-Methylnaphthalene	ND		53		ug/Kg	☼	10/01/18 09:55	10/01/18 19:42	5
Acenaphthylene	ND		53		ug/Kg	☼	10/01/18 09:55	10/01/18 19:42	5
Acenaphthene	**350**		53		ug/Kg	☼	10/01/18 09:55	10/01/18 19:42	5
Fluorene	**91**		53		ug/Kg	☼	10/01/18 09:55	10/01/18 19:42	5
Phenanthrene	**1700**		53		ug/Kg	☼	10/01/18 09:55	10/01/18 19:42	5
Anthracene	**420**		53		ug/Kg	☼	10/01/18 09:55	10/01/18 19:42	5
Fluoranthene	**4200**		53		ug/Kg	☼	10/01/18 09:55	10/01/18 19:42	5
Pyrene	**4800**		53		ug/Kg	☼	10/01/18 09:55	10/01/18 19:42	5
Benzo[a]anthracene	**3400**		53		ug/Kg	☼	10/01/18 09:55	10/01/18 19:42	5
Chrysene	**4500**		53		ug/Kg	☼	10/01/18 09:55	10/01/18 19:42	5
Benzo[b]fluoranthene	**5200**		53		ug/Kg	☼	10/01/18 09:55	10/01/18 19:42	5
Benzo[k]fluoranthene	**2100**		53		ug/Kg	☼	10/01/18 09:55	10/01/18 19:42	5
Benzo[a]pyrene	**5200**		53		ug/Kg	☼	10/01/18 09:55	10/01/18 19:42	5

Client Sample ID: TP-37-6

Date Collected: 09/25/18 13:25
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-33

Matrix: Solid
Percent Solids: 90.1

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	2800		53		ug/Kg	☼	10/01/18 09:55	10/01/18 19:42	5
Dibenz(a,h)anthracene	920		53		ug/Kg	☼	10/01/18 09:55	10/01/18 19:42	5
Benzo[g,h,i]perylene	3300		53		ug/Kg	☼	10/01/18 09:55	10/01/18 19:42	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*79*		*23 - 120*	*10/01/18 09:55*	*10/01/18 19:42*	*5*
2-Fluorobiphenyl (Surr)	*81*		*38 - 123*	*10/01/18 09:55*	*10/01/18 19:42*	*5*
p-Terphenyl-d14	*89*		*68 - 136*	*10/01/18 09:55*	*10/01/18 19:42*	*5*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	21		1.1		mg/Kg	☼	10/03/18 16:39	10/04/18 16:37	1
Lead	1500		2.7		mg/Kg	☼	10/03/18 16:39	10/04/18 16:37	1

Client Sample ID: TP-35-6

Date Collected: 09/25/18 13:30
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-35

Matrix: Solid
Percent Solids: 90.4

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		54		ug/Kg	☼	10/01/18 09:55	10/01/18 20:07	5
2-Methylnaphthalene	ND		54		ug/Kg	☼	10/01/18 09:55	10/01/18 20:07	5
1-Methylnaphthalene	ND		54		ug/Kg	☼	10/01/18 09:55	10/01/18 20:07	5
Acenaphthylene	ND		54		ug/Kg	☼	10/01/18 09:55	10/01/18 20:07	5
Acenaphthene	230		54		ug/Kg	☼	10/01/18 09:55	10/01/18 20:07	5
Fluorene	70		54		ug/Kg	☼	10/01/18 09:55	10/01/18 20:07	5
Phenanthrene	1400		54		ug/Kg	☼	10/01/18 09:55	10/01/18 20:07	5
Anthracene	340		54		ug/Kg	☼	10/01/18 09:55	10/01/18 20:07	5
Fluoranthene	3300		54		ug/Kg	☼	10/01/18 09:55	10/01/18 20:07	5
Pyrene	3700		54		ug/Kg	☼	10/01/18 09:55	10/01/18 20:07	5
Benzo[a]anthracene	2700		54		ug/Kg	☼	10/01/18 09:55	10/01/18 20:07	5
Chrysene	3600		54		ug/Kg	☼	10/01/18 09:55	10/01/18 20:07	5
Benzo[b]fluoranthene	4300		54		ug/Kg	☼	10/01/18 09:55	10/01/18 20:07	5
Benzo[k]fluoranthene	1600		54		ug/Kg	☼	10/01/18 09:55	10/01/18 20:07	5
Benzo[a]pyrene	4100		54		ug/Kg	☼	10/01/18 09:55	10/01/18 20:07	5
Indeno[1,2,3-cd]pyrene	2200		54		ug/Kg	☼	10/01/18 09:55	10/01/18 20:07	5
Dibenz(a,h)anthracene	730		54		ug/Kg	☼	10/01/18 09:55	10/01/18 20:07	5
Benzo[g,h,i]perylene	2600		54		ug/Kg	☼	10/01/18 09:55	10/01/18 20:07	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*72*		*23 - 120*	*10/01/18 09:55*	*10/01/18 20:07*	*5*
2-Fluorobiphenyl (Surr)	*75*		*38 - 123*	*10/01/18 09:55*	*10/01/18 20:07*	*5*
p-Terphenyl-d14	*86*		*68 - 136*	*10/01/18 09:55*	*10/01/18 20:07*	*5*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	22		1.2		mg/Kg	☼	10/03/18 16:39	10/04/18 16:41	1
Lead	1700		2.8		mg/Kg	☼	10/03/18 16:39	10/04/18 16:41	1

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9464-1

Client Sample ID: TP-39-6

Lab Sample ID: 590-9464-37
Date Collected: 09/25/18 13:40
Matrix: Solid
Date Received: 09/26/18 10:18
Percent Solids: 89.4

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		110		ug/Kg	☼	10/01/18 09:55	10/01/18 20:31	10
2-Methylnaphthalene	ND		110		ug/Kg	☼	10/01/18 09:55	10/01/18 20:31	10
1-Methylnaphthalene	ND		110		ug/Kg	☼	10/01/18 09:55	10/01/18 20:31	10
Acenaphthylene	ND		110		ug/Kg	☼	10/01/18 09:55	10/01/18 20:31	10
Acenaphthene	**820**		110		ug/Kg	☼	10/01/18 09:55	10/01/18 20:31	10
Fluorene	**250**		110		ug/Kg	☼	10/01/18 09:55	10/01/18 20:31	10
Phenanthrene	**4200**		110		ug/Kg	☼	10/01/18 09:55	10/01/18 20:31	10
Anthracene	**1100**		110		ug/Kg	☼	10/01/18 09:55	10/01/18 20:31	10
Fluoranthene	**10000**		110		ug/Kg	☼	10/01/18 09:55	10/01/18 20:31	10
Pyrene	**11000**		110		ug/Kg	☼	10/01/18 09:55	10/01/18 20:31	10
Benzo[a]anthracene	**7800**		110		ug/Kg	☼	10/01/18 09:55	10/01/18 20:31	10
Chrysene	**9800**		110		ug/Kg	☼	10/01/18 09:55	10/01/18 20:31	10
Benzo[b]fluoranthene	**14000**		110		ug/Kg	☼	10/01/18 09:55	10/01/18 20:31	10
Benzo[k]fluoranthene	**5100**		110		ug/Kg	☼	10/01/18 09:55	10/01/18 20:31	10
Benzo[a]pyrene	**12000**		110		ug/Kg	☼	10/01/18 09:55	10/01/18 20:31	10
Indeno[1,2,3-cd]pyrene	**6300**		110		ug/Kg	☼	10/01/18 09:55	10/01/18 20:31	10
Dibenz(a,h)anthracene	**2100**		110		ug/Kg	☼	10/01/18 09:55	10/01/18 20:31	10
Benzo[g,h,i]perylene	**7500**		110		ug/Kg	☼	10/01/18 09:55	10/01/18 20:31	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*72*		*23 - 120*	*10/01/18 09:55*	*10/01/18 20:31*	*10*
2-Fluorobiphenyl (Surr)	*73*		*38 - 123*	*10/01/18 09:55*	*10/01/18 20:31*	*10*
p-Terphenyl-d14	*83*		*68 - 136*	*10/01/18 09:55*	*10/01/18 20:31*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**19**		1.2		mg/Kg	☼	10/03/18 16:39	10/04/18 16:45	1
Lead	**1700**		2.9		mg/Kg	☼	10/03/18 16:39	10/04/18 16:45	1

Client Sample ID: TP-20-12

Lab Sample ID: 590-9464-42
Date Collected: 09/25/18 14:20
Matrix: Solid
Date Received: 09/26/18 10:18
Percent Solids: 96.4

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 20:57	1
2-Methylnaphthalene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 20:57	1
1-Methylnaphthalene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 20:57	1
Acenaphthylene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 20:57	1
Acenaphthene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 20:57	1
Fluorene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 20:57	1
Phenanthrene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 20:57	1
Anthracene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 20:57	1
Fluoranthene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 20:57	1
Pyrene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 20:57	1
Benzo[a]anthracene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 20:57	1
Chrysene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 20:57	1
Benzo[b]fluoranthene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 20:57	1
Benzo[k]fluoranthene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 20:57	1
Benzo[a]pyrene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 20:57	1

Client Sample ID: TP-20-12

Lab Sample ID: 590-9464-42
Date Collected: 09/25/18 14:20
Matrix: Solid
Date Received: 09/26/18 10:18
Percent Solids: 96.4

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 20:57	1
Dibenz(a,h)anthracene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 20:57	1
Benzo[g,h,i]perylene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 20:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*76*		*23 - 120*	*10/01/18 09:55*	*10/01/18 20:57*	*1*
2-Fluorobiphenyl (Surr)	*81*		*38 - 123*	*10/01/18 09:55*	*10/01/18 20:57*	*1*
p-Terphenyl-d14	*93*		*68 - 136*	*10/01/18 09:55*	*10/01/18 20:57*	*1*

Client Sample ID: TP-42-6

Lab Sample ID: 590-9464-45
Date Collected: 09/25/18 14:30
Matrix: Solid
Date Received: 09/26/18 10:18
Percent Solids: 95.1

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:21	1
2-Methylnaphthalene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:21	1
1-Methylnaphthalene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:21	1
Acenaphthylene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:21	1
Acenaphthene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:21	1
Fluorene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:21	1
Phenanthrene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:21	1
Anthracene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:21	1
Fluoranthene	**23**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:21	1
Pyrene	**26**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:21	1
Benzo[a]anthracene	**16**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:21	1
Chrysene	**22**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:21	1
Benzo[b]fluoranthene	**26**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:21	1
Benzo[k]fluoranthene	**10**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:21	1
Benzo[a]pyrene	**22**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:21	1
Indeno[1,2,3-cd]pyrene	**12**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:21	1
Dibenz(a,h)anthracene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:21	1
Benzo[g,h,i]perylene	**14**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*80*		*23 - 120*	*10/01/18 09:55*	*10/01/18 21:21*	*1*
2-Fluorobiphenyl (Surr)	*80*		*38 - 123*	*10/01/18 09:55*	*10/01/18 21:21*	*1*
p-Terphenyl-d14	*101*		*68 - 136*	*10/01/18 09:55*	*10/01/18 21:21*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.3**		0.93		mg/Kg	☼	10/03/18 16:39	10/04/18 16:48	1
Lead	**21**		2.2		mg/Kg	☼	10/03/18 16:39	10/04/18 16:48	1

Client Sample ID: TP-43-6

Lab Sample ID: 590-9464-47
Date Collected: 09/25/18 14:45
Matrix: Solid
Date Received: 09/26/18 10:18
Percent Solids: 96.1

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:46	1

Client Sample ID: TP-43-6

Date Collected: 09/25/18 14:45
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-47

Matrix: Solid
Percent Solids: 96.1

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:46	1
1-Methylnaphthalene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:46	1
Acenaphthylene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:46	1
Acenaphthene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:46	1
Fluorene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:46	1
Phenanthrene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:46	1
Anthracene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:46	1
Fluoranthene	**12**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:46	1
Pyrene	**14**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:46	1
Benzo[a]anthracene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:46	1
Chrysene	**12**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:46	1
Benzo[b]fluoranthene	**15**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:46	1
Benzo[k]fluoranthene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:46	1
Benzo[a]pyrene	**14**		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:46	1
Indeno[1,2,3-cd]pyrene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:46	1
Dibenz(a,h)anthracene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:46	1
Benzo[g,h,i]perylene	ND		10		ug/Kg	☼	10/01/18 09:55	10/01/18 21:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*81*		*23 - 120*	*10/01/18 09:55*	*10/01/18 21:46*	*1*
2-Fluorobiphenyl (Surr)	*75*		*38 - 123*	*10/01/18 09:55*	*10/01/18 21:46*	*1*
p-Terphenyl-d14	*88*		*68 - 136*	*10/01/18 09:55*	*10/01/18 21:46*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.7**		0.96		mg/Kg	☼	10/03/18 16:39	10/04/18 16:52	1
Lead	**45**		2.3		mg/Kg	☼	10/03/18 16:39	10/04/18 16:52	1

Client Sample ID: SP-1

Date Collected: 09/25/18 15:20
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-49

Matrix: Solid
Percent Solids: 96.6

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		510		ug/Kg	☼	10/01/18 09:55	10/01/18 22:11	50
2-Methylnaphthalene	ND		510		ug/Kg	☼	10/01/18 09:55	10/01/18 22:11	50
1-Methylnaphthalene	ND		510		ug/Kg	☼	10/01/18 09:55	10/01/18 22:11	50
Acenaphthylene	ND		510		ug/Kg	☼	10/01/18 09:55	10/01/18 22:11	50
Acenaphthene	**2100**		510		ug/Kg	☼	10/01/18 09:55	10/01/18 22:11	50
Fluorene	**660**		510		ug/Kg	☼	10/01/18 09:55	10/01/18 22:11	50
Phenanthrene	**14000**		510		ug/Kg	☼	10/01/18 09:55	10/01/18 22:11	50
Anthracene	**3100**		510		ug/Kg	☼	10/01/18 09:55	10/01/18 22:11	50
Fluoranthene	**33000**		510		ug/Kg	☼	10/01/18 09:55	10/01/18 22:11	50
Pyrene	**36000**		510		ug/Kg	☼	10/01/18 09:55	10/01/18 22:11	50
Benzo[a]anthracene	**22000**		510		ug/Kg	☼	10/01/18 09:55	10/01/18 22:11	50
Chrysene	**29000**		510		ug/Kg	☼	10/01/18 09:55	10/01/18 22:11	50
Benzo[b]fluoranthene	**33000**		510		ug/Kg	☼	10/01/18 09:55	10/01/18 22:11	50
Benzo[k]fluoranthene	**14000**		510		ug/Kg	☼	10/01/18 09:55	10/01/18 22:11	50
Benzo[a]pyrene	**30000**		510		ug/Kg	☼	10/01/18 09:55	10/01/18 22:11	50
Indeno[1,2,3-cd]pyrene	**15000**		510		ug/Kg	☼	10/01/18 09:55	10/01/18 22:11	50

Client Sample ID: SP-1

Date Collected: 09/25/18 15:20
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-49
Matrix: Solid
Percent Solids: 96.6

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	5100		510		ug/Kg	☼	10/01/18 09:55	10/01/18 22:11	50
Benzo[g,h,i]perylene	16000		510		ug/Kg	☼	10/01/18 09:55	10/01/18 22:11	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*78*		*23 - 120*	*10/01/18 09:55*	*10/01/18 22:11*	*50*
2-Fluorobiphenyl (Surr)	*77*		*38 - 123*	*10/01/18 09:55*	*10/01/18 22:11*	*50*
p-Terphenyl-d14	*83*		*68 - 136*	*10/01/18 09:55*	*10/01/18 22:11*	*50*

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		25		mg/Kg	☼	10/03/18 17:31	10/04/18 13:05	1
Diesel Range Organics (DRO) (C10-C25)	330		50		mg/Kg	☼	10/03/18 17:31	10/04/18 13:05	1
Residual Range Organics (RRO) (C25-C36)	1500		100		mg/Kg	☼	10/03/18 17:31	10/04/18 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*103*		*50 - 150*	*10/03/18 17:31*	*10/04/18 13:05*	*1*
n-Triacontane-d62	*114*		*50 - 150*	*10/03/18 17:31*	*10/04/18 13:05*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	37		0.99		mg/Kg	☼	10/03/18 16:39	10/04/18 16:56	1
Lead	3200		2.4		mg/Kg	☼	10/03/18 16:39	10/04/18 16:56	1

Client Sample ID: SP-2

Date Collected: 09/25/18 15:30
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-50
Matrix: Solid
Percent Solids: 95.4

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	710		520		ug/Kg	☼	10/01/18 09:55	10/01/18 22:36	50
2-Methylnaphthalene	790		520		ug/Kg	☼	10/01/18 09:55	10/01/18 22:36	50
1-Methylnaphthalene	700		520		ug/Kg	☼	10/01/18 09:55	10/01/18 22:36	50
Acenaphthylene	ND		520		ug/Kg	☼	10/01/18 09:55	10/01/18 22:36	50
Acenaphthene	4400		520		ug/Kg	☼	10/01/18 09:55	10/01/18 22:36	50
Fluorene	1700		520		ug/Kg	☼	10/01/18 09:55	10/01/18 22:36	50
Phenanthrene	36000		520		ug/Kg	☼	10/01/18 09:55	10/01/18 22:36	50
Anthracene	8100		520		ug/Kg	☼	10/01/18 09:55	10/01/18 22:36	50
Fluoranthene	63000		520		ug/Kg	☼	10/01/18 09:55	10/01/18 22:36	50
Pyrene	72000		520		ug/Kg	☼	10/01/18 09:55	10/01/18 22:36	50
Benzo[a]anthracene	41000		520		ug/Kg	☼	10/01/18 09:55	10/01/18 22:36	50
Chrysene	54000		520		ug/Kg	☼	10/01/18 09:55	10/01/18 22:36	50
Benzo[b]fluoranthene	53000		520		ug/Kg	☼	10/01/18 09:55	10/01/18 22:36	50
Benzo[k]fluoranthene	25000		520		ug/Kg	☼	10/01/18 09:55	10/01/18 22:36	50
Benzo[a]pyrene	51000		520		ug/Kg	☼	10/01/18 09:55	10/01/18 22:36	50
Indeno[1,2,3-cd]pyrene	24000		520		ug/Kg	☼	10/01/18 09:55	10/01/18 22:36	50
Dibenz(a,h)anthracene	8500		520		ug/Kg	☼	10/01/18 09:55	10/01/18 22:36	50
Benzo[g,h,i]perylene	26000		520		ug/Kg	☼	10/01/18 09:55	10/01/18 22:36	50

Client Sample ID: SP-2

Date Collected: 09/25/18 15:30
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-50
Matrix: Solid
Percent Solids: 95.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	77		23 - 120	10/01/18 09:55	10/01/18 22:36	50
2-Fluorobiphenyl (Surr)	92		38 - 123	10/01/18 09:55	10/01/18 22:36	50
p-Terphenyl-d14	98		68 - 136	10/01/18 09:55	10/01/18 22:36	50

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		25		mg/Kg	☼	10/03/18 17:31	10/04/18 13:28	1
Diesel Range Organics (DRO) (C10-C25)	**310**		49		mg/Kg	☼	10/03/18 17:31	10/04/18 13:28	1
Residual Range Organics (RRO) (C25-C36)	**1400**		98		mg/Kg	☼	10/03/18 17:31	10/04/18 13:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	105		50 - 150	10/03/18 17:31	10/04/18 13:28	1
n-Triacontane-d62	106		50 - 150	10/03/18 17:31	10/04/18 13:28	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**11**		0.84		mg/Kg	☼	10/03/18 16:39	10/04/18 17:00	1
Lead	**600**		2.0		mg/Kg	☼	10/03/18 16:39	10/04/18 17:00	1

Client Sample ID: SP-3

Date Collected: 09/25/18 15:47
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-51
Matrix: Solid
Percent Solids: 95.6

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**78**		52		ug/Kg	☼	10/03/18 10:40	10/03/18 20:03	5
2-Methylnaphthalene	**62**		52		ug/Kg	☼	10/03/18 10:40	10/03/18 20:03	5
1-Methylnaphthalene	ND		52		ug/Kg	☼	10/03/18 10:40	10/03/18 20:03	5
Acenaphthylene	ND		52		ug/Kg	☼	10/03/18 10:40	10/03/18 20:03	5
Acenaphthene	**570**		52		ug/Kg	☼	10/03/18 10:40	10/03/18 20:03	5
Fluorene	**170**		52		ug/Kg	☼	10/03/18 10:40	10/03/18 20:03	5
Phenanthrene	**3400**		52		ug/Kg	☼	10/03/18 10:40	10/03/18 20:03	5
Anthracene	**860**		52		ug/Kg	☼	10/03/18 10:40	10/03/18 20:03	5
Fluoranthene	**7600**		52		ug/Kg	☼	10/03/18 10:40	10/03/18 20:03	5
Pyrene	**9400**		52		ug/Kg	☼	10/03/18 10:40	10/03/18 20:03	5
Benzo[a]anthracene	**5700**		52		ug/Kg	☼	10/03/18 10:40	10/03/18 20:03	5
Chrysene	**7400**		52		ug/Kg	☼	10/03/18 10:40	10/03/18 20:03	5
Benzo[b]fluoranthene	**8800**		52		ug/Kg	☼	10/03/18 10:40	10/03/18 20:03	5
Benzo[k]fluoranthene	**3700**		52		ug/Kg	☼	10/03/18 10:40	10/03/18 20:03	5
Benzo[a]pyrene	**8500**		52		ug/Kg	☼	10/03/18 10:40	10/03/18 20:03	5
Indeno[1,2,3-cd]pyrene	**4800**		52		ug/Kg	☼	10/03/18 10:40	10/03/18 20:03	5
Dibenz(a,h)anthracene	**1500**		52		ug/Kg	☼	10/03/18 10:40	10/03/18 20:03	5
Benzo[g,h,i]perylene	**5400**		52		ug/Kg	☼	10/03/18 10:40	10/03/18 20:03	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	77		23 - 120	10/03/18 10:40	10/03/18 20:03	5
2-Fluorobiphenyl (Surr)	80		38 - 123	10/03/18 10:40	10/03/18 20:03	5
p-Terphenyl-d14	90		68 - 136	10/03/18 10:40	10/03/18 20:03	5

Client Sample ID: SP-3

Lab Sample ID: 590-9464-51

Date Collected: 09/25/18 15:47

Matrix: Solid

Date Received: 09/26/18 10:18

Percent Solids: 95.6

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		25		mg/Kg	☼	10/03/18 17:31	10/04/18 13:51	1
Diesel Range Organics (DRO) (C10-C25)	**130**		51		mg/Kg	☼	10/03/18 17:31	10/04/18 13:51	1
Residual Range Organics (RRO) (C25-C36)	**680**		100		mg/Kg	☼	10/03/18 17:31	10/04/18 13:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*72*		*50 - 150*	*10/03/18 17:31*	*10/04/18 13:51*	*1*
n-Triacontane-d62	*72*		*50 - 150*	*10/03/18 17:31*	*10/04/18 13:51*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**10**		1.0		mg/Kg	☼	10/03/18 16:39	10/04/18 17:03	1
Lead	**770**		2.5		mg/Kg	☼	10/03/18 16:39	10/04/18 17:03	1

Client Sample ID: SP-4

Lab Sample ID: 590-9464-52

Date Collected: 09/25/18 15:52

Matrix: Solid

Date Received: 09/26/18 10:18

Percent Solids: 95.7

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg	☼	10/03/18 10:40	10/03/18 20:28	1
2-Methylnaphthalene	ND		10		ug/Kg	☼	10/03/18 10:40	10/03/18 20:28	1
1-Methylnaphthalene	ND		10		ug/Kg	☼	10/03/18 10:40	10/03/18 20:28	1
Acenaphthylene	ND		10		ug/Kg	☼	10/03/18 10:40	10/03/18 20:28	1
Acenaphthene	ND		10		ug/Kg	☼	10/03/18 10:40	10/03/18 20:28	1
Fluorene	ND		10		ug/Kg	☼	10/03/18 10:40	10/03/18 20:28	1
Phenanthrene	ND		10		ug/Kg	☼	10/03/18 10:40	10/03/18 20:28	1
Anthracene	ND		10		ug/Kg	☼	10/03/18 10:40	10/03/18 20:28	1
Fluoranthene	**17**		10		ug/Kg	☼	10/03/18 10:40	10/03/18 20:28	1
Pyrene	**28**		10		ug/Kg	☼	10/03/18 10:40	10/03/18 20:28	1
Benzo[a]anthracene	**18**		10		ug/Kg	☼	10/03/18 10:40	10/03/18 20:28	1
Chrysene	**27**		10		ug/Kg	☼	10/03/18 10:40	10/03/18 20:28	1
Benzo[b]fluoranthene	**24**		10		ug/Kg	☼	10/03/18 10:40	10/03/18 20:28	1
Benzo[k]fluoranthene	ND		10		ug/Kg	☼	10/03/18 10:40	10/03/18 20:28	1
Benzo[a]pyrene	**28**		10		ug/Kg	☼	10/03/18 10:40	10/03/18 20:28	1
Indeno[1,2,3-cd]pyrene	**13**		10		ug/Kg	☼	10/03/18 10:40	10/03/18 20:28	1
Dibenz(a,h)anthracene	ND		10		ug/Kg	☼	10/03/18 10:40	10/03/18 20:28	1
Benzo[g,h,i]perylene	**22**		10		ug/Kg	☼	10/03/18 10:40	10/03/18 20:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*87*		*23 - 120*	*10/03/18 10:40*	*10/03/18 20:28*	*1*
2-Fluorobiphenyl (Surr)	*86*		*38 - 123*	*10/03/18 10:40*	*10/03/18 20:28*	*1*
p-Terphenyl-d14	*101*		*68 - 136*	*10/03/18 10:40*	*10/03/18 20:28*	*1*

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		25		mg/Kg	☼	10/03/18 17:31	10/04/18 12:19	1
Diesel Range Organics (DRO) (C10-C25)	ND		50		mg/Kg	☼	10/03/18 17:31	10/04/18 12:19	1
Residual Range Organics (RRO) (C25-C36)	ND		100		mg/Kg	☼	10/03/18 17:31	10/04/18 12:19	1

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9464-1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*84*		*50 - 150*	*10/03/18 17:31*	*10/04/18 12:19*	*1*
n-Triacontane-d62	*89*		*50 - 150*	*10/03/18 17:31*	*10/04/18 12:19*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**8.5**		1.0		mg/Kg	☼	10/03/18 16:39	10/04/18 17:07	1
Lead	**53**		2.5		mg/Kg	☼	10/03/18 16:39	10/04/18 17:07	1

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 590-19137/1-A
Matrix: Solid
Analysis Batch: 19135

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19137

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg		10/01/18 09:55	10/01/18 12:36	1
2-Methylnaphthalene	ND		10		ug/Kg		10/01/18 09:55	10/01/18 12:36	1
1-Methylnaphthalene	ND		10		ug/Kg		10/01/18 09:55	10/01/18 12:36	1
Acenaphthylene	ND		10		ug/Kg		10/01/18 09:55	10/01/18 12:36	1
Acenaphthene	ND		10		ug/Kg		10/01/18 09:55	10/01/18 12:36	1
Fluorene	ND		10		ug/Kg		10/01/18 09:55	10/01/18 12:36	1
Phenanthrene	ND		10		ug/Kg		10/01/18 09:55	10/01/18 12:36	1
Anthracene	ND		10		ug/Kg		10/01/18 09:55	10/01/18 12:36	1
Fluoranthene	ND		10		ug/Kg		10/01/18 09:55	10/01/18 12:36	1
Pyrene	ND		10		ug/Kg		10/01/18 09:55	10/01/18 12:36	1
Benzo[a]anthracene	ND		10		ug/Kg		10/01/18 09:55	10/01/18 12:36	1
Chrysene	ND		10		ug/Kg		10/01/18 09:55	10/01/18 12:36	1
Benzo[b]fluoranthene	ND		10		ug/Kg		10/01/18 09:55	10/01/18 12:36	1
Benzo[k]fluoranthene	ND		10		ug/Kg		10/01/18 09:55	10/01/18 12:36	1
Benzo[a]pyrene	ND		10		ug/Kg		10/01/18 09:55	10/01/18 12:36	1
Indeno[1,2,3-cd]pyrene	ND		10		ug/Kg		10/01/18 09:55	10/01/18 12:36	1
Dibenz(a,h)anthracene	ND		10		ug/Kg		10/01/18 09:55	10/01/18 12:36	1
Benzo[g,h,i]perylene	ND		10		ug/Kg		10/01/18 09:55	10/01/18 12:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*99*		*23 - 120*	*10/01/18 09:55*	*10/01/18 12:36*	*1*
2-Fluorobiphenyl (Surr)	*99*		*38 - 123*	*10/01/18 09:55*	*10/01/18 12:36*	*1*
p-Terphenyl-d14	*123*		*68 - 136*	*10/01/18 09:55*	*10/01/18 12:36*	*1*

Lab Sample ID: LCS 590-19137/2-A
Matrix: Solid
Analysis Batch: 19135

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19137

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	267	182		ug/Kg		68	41 - 121
2-Methylnaphthalene	267	192		ug/Kg		72	39 - 132
1-Methylnaphthalene	267	216		ug/Kg		81	46 - 131
Acenaphthylene	267	175		ug/Kg		66	56 - 123
Acenaphthene	267	204		ug/Kg		76	43 - 140
Fluorene	267	179		ug/Kg		67	54 - 131
Phenanthrene	267	196		ug/Kg		74	55 - 141
Anthracene	267	244		ug/Kg		92	60 - 129
Fluoranthene	267	213		ug/Kg		80	63 - 141
Pyrene	267	223		ug/Kg		84	62 - 139
Benzo[a]anthracene	267	224		ug/Kg		84	61 - 136
Chrysene	267	211		ug/Kg		79	57 - 144
Benzo[b]fluoranthene	267	211		ug/Kg		79	66 - 141
Benzo[k]fluoranthene	267	211		ug/Kg		79	63 - 150
Benzo[a]pyrene	267	203		ug/Kg		76	60 - 133
Indeno[1,2,3-cd]pyrene	267	191		ug/Kg		71	55 - 142
Dibenz(a,h)anthracene	267	183		ug/Kg		69	60 - 150
Benzo[g,h,i]perylene	267	198		ug/Kg		74	58 - 147

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 590-19137/2-A
Matrix: Solid
Analysis Batch: 19135

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5	*86*		*23 - 120*
2-Fluorobiphenyl (Surr)	*86*		*38 - 123*
p-Terphenyl-d14	*110*		*68 - 136*

Lab Sample ID: 590-9464-9 MS
Matrix: Solid
Analysis Batch: 19135

Client Sample ID: TP-30-6
Prep Type: Total/NA
Prep Batch: 19137

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	ND		277	194		ug/Kg	☼	56	41 - 121
2-Methylnaphthalene	ND		277	196		ug/Kg	☼	59	39 - 132
1-Methylnaphthalene	ND		277	219		ug/Kg	☼	69	46 - 131
Acenaphthylene	ND		277	191		ug/Kg	☼	69	56 - 123
Acenaphthene	280		277	440		ug/Kg	☼	56	43 - 140
Fluorene	78		277	228		ug/Kg	☼	54	54 - 131
Phenanthrene	1500	F2	277	1250	4	ug/Kg	☼	-76	55 - 141
Anthracene	350	F1 F2	277	498	F1	ug/Kg	☼	52	60 - 129
Fluoranthene	3600	F2	277	2970	4	ug/Kg	☼	-225	63 - 141
Pyrene	4300	F2	277	3270	4	ug/Kg	☼	-376	62 - 139
Benzo[a]anthracene	3000	F2	277	2460	4	ug/Kg	☼	-199	61 - 136
Chrysene	3900	F2	277	3050	4	ug/Kg	☼	-314	57 - 144
Benzo[b]fluoranthene	5100	F2	277	3880	4	ug/Kg	☼	-440	66 - 141
Benzo[k]fluoranthene	1900	F2	277	1770	4	ug/Kg	☼	-46	63 - 150
Benzo[a]pyrene	4400	F2	277	3510	4	ug/Kg	☼	-336	60 - 133
Indeno[1,2,3-cd]pyrene	2500	F2	277	2120	4	ug/Kg	☼	-149	55 - 142
Dibenz(a,h)anthracene	810	F1 F2	277	823	F1	ug/Kg	☼	5	60 - 150
Benzo[g,h,i]perylene	3000	F2	277	2490	4	ug/Kg	☼	-199	58 - 147

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Nitrobenzene-d5	*80*		*23 - 120*
2-Fluorobiphenyl (Surr)	*84*		*38 - 123*
p-Terphenyl-d14	*93*		*68 - 136*

Lab Sample ID: 590-9464-9 MSD
Matrix: Solid
Analysis Batch: 19135

Client Sample ID: TP-30-6
Prep Type: Total/NA
Prep Batch: 19137

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Naphthalene	ND		280	241		ug/Kg	☼	72	41 - 121	22	35
2-Methylnaphthalene	ND		280	238		ug/Kg	☼	74	39 - 132	19	35
1-Methylnaphthalene	ND		280	263		ug/Kg	☼	84	46 - 131	18	35
Acenaphthylene	ND		280	205		ug/Kg	☼	73	56 - 123	7	35
Acenaphthene	280		280	619		ug/Kg	☼	119	43 - 140	34	35
Fluorene	78		280	318		ug/Kg	☼	86	54 - 131	33	35
Phenanthrene	1500	F2	280	2330	4 F2	ug/Kg	☼	311	55 - 141	60	35
Anthracene	350	F1 F2	280	756	F1 F2	ug/Kg	☼	144	60 - 129	41	35
Fluoranthene	3600	F2	280	5550	4 F2	ug/Kg	☼	699	63 - 141	61	35
Pyrene	4300	F2	280	6000	4 F2	ug/Kg	☼	601	62 - 139	59	35

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: 590-9464-9 MSD
Matrix: Solid
Analysis Batch: 19135

Client Sample ID: TP-30-6
Prep Type: Total/NA
Prep Batch: 19137

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[a]anthracene	3000	F2	280	4530	4 F2	ug/Kg	☼	540	61 - 136	59	35
Chrysene	3900	F2	280	5460	4 F2	ug/Kg	☼	552	57 - 144	57	35
Benzo[b]fluoranthene	5100	F2	280	6780	4 F2	ug/Kg	☼	602	66 - 141	54	35
Benzo[k]fluoranthene	1900	F2	280	3070	4 F2	ug/Kg	☼	419	63 - 150	54	35
Benzo[a]pyrene	4400	F2	280	6060	4 F2	ug/Kg	☼	576	60 - 133	53	35
Indeno[1,2,3-cd]pyrene	2500	F2	280	3680	4 F2	ug/Kg	☼	410	55 - 142	54	35
Dibenz(a,h)anthracene	810	F1 F2	280	1320	F1 F2	ug/Kg	☼	183	60 - 150	47	35
Benzo[g,h,i]perylene	3000	F2	280	4220	4 F2	ug/Kg	☼	422	58 - 147	52	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Nitrobenzene-d5	*85*		*23 - 120*
2-Fluorobiphenyl (Surr)	*83*		*38 - 123*
p-Terphenyl-d14	*103*		*68 - 136*

Lab Sample ID: MB 590-19192/1-A
Matrix: Solid
Analysis Batch: 19190

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19192

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg		10/03/18 10:40	10/03/18 17:09	1
2-Methylnaphthalene	ND		10		ug/Kg		10/03/18 10:40	10/03/18 17:09	1
1-Methylnaphthalene	ND		10		ug/Kg		10/03/18 10:40	10/03/18 17:09	1
Acenaphthylene	ND		10		ug/Kg		10/03/18 10:40	10/03/18 17:09	1
Acenaphthene	ND		10		ug/Kg		10/03/18 10:40	10/03/18 17:09	1
Fluorene	ND		10		ug/Kg		10/03/18 10:40	10/03/18 17:09	1
Phenanthrene	ND		10		ug/Kg		10/03/18 10:40	10/03/18 17:09	1
Anthracene	ND		10		ug/Kg		10/03/18 10:40	10/03/18 17:09	1
Fluoranthene	ND		10		ug/Kg		10/03/18 10:40	10/03/18 17:09	1
Pyrene	ND		10		ug/Kg		10/03/18 10:40	10/03/18 17:09	1
Benzo[a]anthracene	ND		10		ug/Kg		10/03/18 10:40	10/03/18 17:09	1
Chrysene	ND		10		ug/Kg		10/03/18 10:40	10/03/18 17:09	1
Benzo[b]fluoranthene	ND		10		ug/Kg		10/03/18 10:40	10/03/18 17:09	1
Benzo[k]fluoranthene	ND		10		ug/Kg		10/03/18 10:40	10/03/18 17:09	1
Benzo[a]pyrene	ND		10		ug/Kg		10/03/18 10:40	10/03/18 17:09	1
Indeno[1,2,3-cd]pyrene	ND		10		ug/Kg		10/03/18 10:40	10/03/18 17:09	1
Dibenz(a,h)anthracene	ND		10		ug/Kg		10/03/18 10:40	10/03/18 17:09	1
Benzo[g,h,i]perylene	ND		10		ug/Kg		10/03/18 10:40	10/03/18 17:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*92*		*23 - 120*	*10/03/18 10:40*	*10/03/18 17:09*	*1*
2-Fluorobiphenyl (Surr)	*92*		*38 - 123*	*10/03/18 10:40*	*10/03/18 17:09*	*1*
p-Terphenyl-d14	*107*		*68 - 136*	*10/03/18 10:40*	*10/03/18 17:09*	*1*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 590-19192/2-A
Matrix: Solid
Analysis Batch: 19190

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19192

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Naphthalene			267	203		ug/Kg		76	41 - 121		
2-Methylnaphthalene			267	205		ug/Kg		77	39 - 132		
1-Methylnaphthalene			267	228		ug/Kg		85	46 - 131		
Acenaphthylene			267	206		ug/Kg		77	56 - 123		
Acenaphthene			267	206		ug/Kg		77	43 - 140		
Fluorene			267	194		ug/Kg		73	54 - 131		
Phenanthrene			267	204		ug/Kg		77	55 - 141		
Anthracene			267	265		ug/Kg		99	60 - 129		
Fluoranthene			267	214		ug/Kg		80	63 - 141		
Pyrene			267	220		ug/Kg		82	62 - 139		
Benzo[a]anthracene			267	214		ug/Kg		80	61 - 136		
Chrysene			267	218		ug/Kg		82	57 - 144		
Benzo[b]fluoranthene			267	212		ug/Kg		79	66 - 141		
Benzo[k]fluoranthene			267	213		ug/Kg		80	63 - 150		
Benzo[a]pyrene			267	218		ug/Kg		82	60 - 133		
Indeno[1,2,3-cd]pyrene			267	217		ug/Kg		81	55 - 142		
Dibenz(a,h)anthracene			267	217		ug/Kg		81	60 - 150		
Benzo[g,h,i]perylene			267	218		ug/Kg		82	58 - 147		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5	*94*		*23 - 120*
2-Fluorobiphenyl (Surr)	*97*		*38 - 123*
p-Terphenyl-d14	*105*		*68 - 136*

Lab Sample ID: LCSD 590-19192/3-A
Matrix: Solid
Analysis Batch: 19190

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 19192

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Naphthalene			267	194		ug/Kg		73	41 - 121	5	35
2-Methylnaphthalene			267	187		ug/Kg		70	39 - 132	9	35
1-Methylnaphthalene			267	199		ug/Kg		75	46 - 131	14	35
Acenaphthylene			267	203		ug/Kg		76	56 - 123	2	35
Acenaphthene			267	208		ug/Kg		78	43 - 140	1	35
Fluorene			267	196		ug/Kg		74	54 - 131	1	35
Phenanthrene			267	198		ug/Kg		74	55 - 141	3	35
Anthracene			267	262		ug/Kg		98	60 - 129	1	35
Fluoranthene			267	207		ug/Kg		78	63 - 141	3	35
Pyrene			267	215		ug/Kg		81	62 - 139	2	35
Benzo[a]anthracene			267	209		ug/Kg		78	61 - 136	2	35
Chrysene			267	213		ug/Kg		80	57 - 144	2	35
Benzo[b]fluoranthene			267	211		ug/Kg		79	66 - 141	0	35
Benzo[k]fluoranthene			267	217		ug/Kg		81	63 - 150	2	35
Benzo[a]pyrene			267	215		ug/Kg		81	60 - 133	1	35
Indeno[1,2,3-cd]pyrene			267	214		ug/Kg		80	55 - 142	1	35
Dibenz(a,h)anthracene			267	211		ug/Kg		79	60 - 150	3	35
Benzo[g,h,i]perylene			267	216		ug/Kg		81	58 - 147	1	35

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCSD 590-19192/3-A
Matrix: Solid
Analysis Batch: 19190

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 19192

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5	*88*		*23 - 120*
2-Fluorobiphenyl (Surr)	*96*		*38 - 123*
p-Terphenyl-d14	*100*		*68 - 136*

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Lab Sample ID: MB 590-19218/1-A
Matrix: Solid
Analysis Batch: 19220

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19218

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		25		mg/Kg		10/03/18 17:31	10/04/18 10:48	1
Diesel Range Organics (DRO) (C10-C25)	ND		50		mg/Kg		10/03/18 17:31	10/04/18 10:48	1
Residual Range Organics (RRO) (C25-C36)	ND		100		mg/Kg		10/03/18 17:31	10/04/18 10:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*88*		*50 - 150*	*10/03/18 17:31*	*10/04/18 10:48*	*1*
n-Triacontane-d62	*89*		*50 - 150*	*10/03/18 17:31*	*10/04/18 10:48*	*1*

Lab Sample ID: 590-9464-49 DU
Matrix: Solid
Analysis Batch: 19220

Client Sample ID: SP-1
Prep Type: Total/NA
Prep Batch: 19218

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	ND			ND		mg/Kg	☼			NC	25
Diesel Range Organics (DRO) (C10-C25)	330			193	F3	mg/Kg	☼			52	25
Residual Range Organics (RRO) (C25-C36)	1500			994	F3	mg/Kg	☼			41	25

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
o-Terphenyl	*72*		*50 - 150*
n-Triacontane-d62	*79*		*50 - 150*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 590-19140/2-A
Matrix: Solid
Analysis Batch: 19168

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19140

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		3.0		mg/Kg		10/01/18 12:25	10/02/18 11:45	1

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

Lab Sample ID: LCS 590-19140/1-A
Matrix: Solid
Analysis Batch: 19168

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19140

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			50.0	52.9		mg/Kg		106	80 - 120		

Lab Sample ID: 590-9464-1 MS
Matrix: Solid
Analysis Batch: 19168

Client Sample ID: TP-24-6
Prep Type: Total/NA
Prep Batch: 19140

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead	22		50.3	64.8		mg/Kg	☼	85	75 - 125		

Lab Sample ID: 590-9464-1 MSD
Matrix: Solid
Analysis Batch: 19168

Client Sample ID: TP-24-6
Prep Type: Total/NA
Prep Batch: 19140

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	22		51.3	62.9		mg/Kg	☼	80	75 - 125	3	20

Lab Sample ID: 590-9464-1 DU
Matrix: Solid
Analysis Batch: 19168

Client Sample ID: TP-24-6
Prep Type: Total/NA
Prep Batch: 19140

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	22		25.6		mg/Kg	☼	15	20

Lab Sample ID: MB 590-19211/2-A
Matrix: Solid
Analysis Batch: 19237

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19211

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.3		mg/Kg		10/03/18 16:39	10/04/18 13:59	1
Lead	ND		3.0		mg/Kg		10/03/18 16:39	10/04/18 13:59	1

Lab Sample ID: LCS 590-19211/1-A
Matrix: Solid
Analysis Batch: 19237

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19211

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic			50.0	48.8		mg/Kg		98	80 - 120		
Lead			50.0	52.1		mg/Kg		104	80 - 120		

Lab Chronicle

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9464-1

Client Sample ID: TP-24-6
Date Collected: 09/25/18 09:15
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19108	09/28/18 10:27	MO	TAL SPK

Client Sample ID: TP-24-6
Date Collected: 09/25/18 09:15
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-1
Matrix: Solid
Percent Solids: 97.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.15 g	50 mL	19140	10/01/18 12:25	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19168	10/02/18 11:48	JSP	TAL SPK

Client Sample ID: TP-25-6
Date Collected: 09/25/18 09:25
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19108	09/28/18 10:27	MO	TAL SPK

Client Sample ID: TP-25-6
Date Collected: 09/25/18 09:25
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-3
Matrix: Solid
Percent Solids: 96.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.21 g	50 mL	19140	10/01/18 12:25	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19229	10/03/18 18:02	JSP	TAL SPK

Client Sample ID: TP-27-6
Date Collected: 09/25/18 09:40
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19108	09/28/18 10:27	MO	TAL SPK

Client Sample ID: TP-27-6
Date Collected: 09/25/18 09:40
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-5
Matrix: Solid
Percent Solids: 97.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.10 g	50 mL	19140	10/01/18 12:25	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19229	10/03/18 18:05	JSP	TAL SPK

Client Sample ID: TP-26-6 — **Lab Sample ID: 590-9464-7**
Date Collected: 09/25/18 09:55 — **Matrix: Solid**
Date Received: 09/26/18 10:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19108	09/28/18 10:27	MO	TAL SPK

Client Sample ID: TP-26-6 — **Lab Sample ID: 590-9464-7**
Date Collected: 09/25/18 09:55 — **Matrix: Solid**
Date Received: 09/26/18 10:18 — **Percent Solids: 97.5**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.20 g	50 mL	19140	10/01/18 12:25	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19229	10/03/18 18:19	JSP	TAL SPK

Client Sample ID: TP-30-6 — **Lab Sample ID: 590-9464-9**
Date Collected: 09/25/18 10:25 — **Matrix: Solid**
Date Received: 09/26/18 10:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19108	09/28/18 10:27	MO	TAL SPK

Client Sample ID: TP-30-6 — **Lab Sample ID: 590-9464-9**
Date Collected: 09/25/18 10:25 — **Matrix: Solid**
Date Received: 09/26/18 10:18 — **Percent Solids: 92.2**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.56 g	2 mL	19137	10/01/18 09:55	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		5			19135	10/01/18 14:44	NMI	TAL SPK
Total/NA	Prep	3050B			1.11 g	50 mL	19140	10/01/18 12:25	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19229	10/03/18 18:22	JSP	TAL SPK

Client Sample ID: TP-28-6 — **Lab Sample ID: 590-9464-11**
Date Collected: 09/25/18 10:30 — **Matrix: Solid**
Date Received: 09/26/18 10:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19108	09/28/18 10:27	MO	TAL SPK

Client Sample ID: TP-28-6 — **Lab Sample ID: 590-9464-11**
Date Collected: 09/25/18 10:30 — **Matrix: Solid**
Date Received: 09/26/18 10:18 — **Percent Solids: 95.3**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.00 g	2 mL	19137	10/01/18 09:55	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			19135	10/01/18 15:09	NMI	TAL SPK
Total/NA	Prep	3050B			1.09 g	50 mL	19140	10/01/18 12:25	JSP	TAL SPK

Lab Chronicle

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9464-1

Client Sample ID: TP-28-6
Date Collected: 09/25/18 10:30
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-11
Matrix: Solid
Percent Solids: 95.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		1			19229	10/03/18 18:26	JSP	TAL SPK

Client Sample ID: TP-29-6
Date Collected: 09/25/18 10:45
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19108	09/28/18 10:27	MO	TAL SPK

Client Sample ID: TP-29-6
Date Collected: 09/25/18 10:45
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-13
Matrix: Solid
Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.41 g	2 mL	19137	10/01/18 09:55	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			19135	10/01/18 15:34	NMI	TAL SPK
Total/NA	Prep	3050B			1.18 g	50 mL	19140	10/01/18 12:25	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19229	10/03/18 18:30	JSP	TAL SPK

Client Sample ID: TP-31-6
Date Collected: 09/25/18 11:00
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19108	09/28/18 10:27	MO	TAL SPK

Client Sample ID: TP-31-6
Date Collected: 09/25/18 11:00
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-15
Matrix: Solid
Percent Solids: 95.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.90 g	2 mL	19137	10/01/18 09:55	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			19135	10/01/18 15:59	NMI	TAL SPK
Total/NA	Prep	3050B			1.12 g	50 mL	19140	10/01/18 12:25	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19229	10/03/18 18:33	JSP	TAL SPK

Client Sample ID: TP-33-6
Date Collected: 09/25/18 11:25
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19108	09/28/18 10:27	MO	TAL SPK

Lab Chronicle

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9464-1

Client Sample ID: TP-33-6
Date Collected: 09/25/18 11:25
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-17
Matrix: Solid
Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.73 g	2 mL	19137	10/01/18 09:55	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		100			19135	10/01/18 16:23	NMI	TAL SPK
Total/NA	Prep	3050B			1.15 g	50 mL	19140	10/01/18 12:25	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19229	10/03/18 18:37	JSP	TAL SPK

Client Sample ID: TP-18-18
Date Collected: 09/25/18 11:45
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19108	09/28/18 10:27	MO	TAL SPK

Client Sample ID: TP-18-18
Date Collected: 09/25/18 11:45
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-19
Matrix: Solid
Percent Solids: 95.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.97 g	2 mL	19137	10/01/18 09:55	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			19135	10/01/18 16:48	NMI	TAL SPK

Client Sample ID: TP-32-6
Date Collected: 09/25/18 12:10
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19108	09/28/18 10:27	MO	TAL SPK

Client Sample ID: TP-32-6
Date Collected: 09/25/18 12:10
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-21
Matrix: Solid
Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.14 g	2 mL	19137	10/01/18 09:55	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		5			19135	10/01/18 17:13	NMI	TAL SPK
Total/NA	Prep	3050B			1.13 g	50 mL	19140	10/01/18 12:25	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19229	10/03/18 18:41	JSP	TAL SPK

Lab Chronicle

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9464-1

Client Sample ID: TP-34-6
Date Collected: 09/25/18 12:20
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19108	09/28/18 10:27	MO	TAL SPK

Client Sample ID: TP-34-6
Date Collected: 09/25/18 12:20
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-23
Matrix: Solid
Percent Solids: 93.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.34 g	2 mL	19137	10/01/18 09:55	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			19135	10/01/18 17:38	NMI	TAL SPK
Total/NA	Prep	3050B			1.19 g	50 mL	19140	10/01/18 12:25	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19229	10/03/18 18:45	JSP	TAL SPK

Client Sample ID: TP-36-6
Date Collected: 09/25/18 12:30
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19112	09/28/18 10:59	MO	TAL SPK

Client Sample ID: TP-36-6
Date Collected: 09/25/18 12:30
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-25
Matrix: Solid
Percent Solids: 94.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.73 g	2 mL	19137	10/01/18 09:55	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			19135	10/01/18 18:03	NMI	TAL SPK
Total/NA	Prep	3050B			1.15 g	50 mL	19140	10/01/18 12:25	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19229	10/03/18 18:48	JSP	TAL SPK

Client Sample ID: TP-38-6
Date Collected: 09/25/18 12:40
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19112	09/28/18 10:59	MO	TAL SPK

Client Sample ID: TP-38-6
Date Collected: 09/25/18 12:40
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-27
Matrix: Solid
Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.55 g	2 mL	19137	10/01/18 09:55	NMI	TAL SPK

Lab Chronicle

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9464-1

Client Sample ID: TP-38-6

Date Collected: 09/25/18 12:40
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-27
Matrix: Solid
Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D SIM		1			19135	10/01/18 18:27	NMI	TAL SPK
Total/NA	Prep	3050B			1.22 g	50 mL	19140	10/01/18 12:25	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19229	10/03/18 18:52	JSP	TAL SPK

Client Sample ID: TP-40-6

Date Collected: 09/25/18 13:00
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19112	09/28/18 10:59	MO	TAL SPK

Client Sample ID: TP-40-6

Date Collected: 09/25/18 13:00
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-29
Matrix: Solid
Percent Solids: 94.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.79 g	2 mL	19137	10/01/18 09:55	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			19135	10/01/18 18:52	NMI	TAL SPK
Total/NA	Prep	3050B			1.15 g	50 mL	19140	10/01/18 12:25	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19229	10/03/18 19:05	JSP	TAL SPK

Client Sample ID: TP-19-18

Date Collected: 09/25/18 13:20
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19112	09/28/18 10:59	MO	TAL SPK

Client Sample ID: TP-19-18

Date Collected: 09/25/18 13:20
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-31
Matrix: Solid
Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.26 g	2 mL	19137	10/01/18 09:55	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		2			19135	10/01/18 19:17	NMI	TAL SPK
Total/NA	Prep	3050B			1.24 g	50 mL	19140	10/01/18 12:25	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19229	10/03/18 19:09	JSP	TAL SPK

Client Sample ID: TP-37-6
Date Collected: 09/25/18 13:25
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19112	09/28/18 10:59	MO	TAL SPK

Client Sample ID: TP-37-6
Date Collected: 09/25/18 13:25
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-33
Matrix: Solid
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.65 g	2 mL	19137	10/01/18 09:55	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		5			19135	10/01/18 19:42	NMI	TAL SPK
Total/NA	Prep	3050B			1.23 g	50 mL	19211	10/03/18 16:39	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19257	10/04/18 16:37	JSP	TAL SPK

Client Sample ID: TP-35-6
Date Collected: 09/25/18 13:30
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-35
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19112	09/28/18 10:59	MO	TAL SPK

Client Sample ID: TP-35-6
Date Collected: 09/25/18 13:30
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-35
Matrix: Solid
Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.32 g	2 mL	19137	10/01/18 09:55	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		5			19135	10/01/18 20:07	NMI	TAL SPK
Total/NA	Prep	3050B			1.17 g	50 mL	19211	10/03/18 16:39	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19257	10/04/18 16:41	JSP	TAL SPK

Client Sample ID: TP-39-6
Date Collected: 09/25/18 13:40
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-37
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19112	09/28/18 10:59	MO	TAL SPK

Client Sample ID: TP-39-6
Date Collected: 09/25/18 13:40
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-37
Matrix: Solid
Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.58 g	2 mL	19137	10/01/18 09:55	NMI	TAL SPK

Lab Chronicle

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9464-1

Client Sample ID: TP-39-6
Date Collected: 09/25/18 13:40
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-37
Matrix: Solid
Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D SIM		10			19135	10/01/18 20:31	NMI	TAL SPK
Total/NA	Prep	3050B			1.15 g	50 mL	19211	10/03/18 16:39	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19257	10/04/18 16:45	JSP	TAL SPK

Client Sample ID: TP-20-12
Date Collected: 09/25/18 14:20
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-42
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19112	09/28/18 10:59	MO	TAL SPK

Client Sample ID: TP-20-12
Date Collected: 09/25/18 14:20
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-42
Matrix: Solid
Percent Solids: 96.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.35 g	2 mL	19137	10/01/18 09:55	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			19135	10/01/18 20:57	NMI	TAL SPK

Client Sample ID: TP-42-6
Date Collected: 09/25/18 14:30
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-45
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19112	09/28/18 10:59	MO	TAL SPK

Client Sample ID: TP-42-6
Date Collected: 09/25/18 14:30
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-45
Matrix: Solid
Percent Solids: 95.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.24 g	2 mL	19137	10/01/18 09:55	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			19135	10/01/18 21:21	NMI	TAL SPK
Total/NA	Prep	3050B			1.41 g	50 mL	19211	10/03/18 16:39	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19257	10/04/18 16:48	JSP	TAL SPK

Client Sample ID: TP-43-6
Date Collected: 09/25/18 14:45
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-47
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19112	09/28/18 10:59	MO	TAL SPK

Lab Chronicle

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9464-1

Client Sample ID: TP-43-6

Date Collected: 09/25/18 14:45
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-47

Matrix: Solid
Percent Solids: 96.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.19 g	2 mL	19137	10/01/18 09:55	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			19135	10/01/18 21:46	NMI	TAL SPK
Total/NA	Prep	3050B			1.36 g	50 mL	19211	10/03/18 16:39	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19257	10/04/18 16:52	JSP	TAL SPK

Client Sample ID: SP-1

Date Collected: 09/25/18 15:20
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-49

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19112	09/28/18 10:59	MO	TAL SPK

Client Sample ID: SP-1

Date Collected: 09/25/18 15:20
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-49

Matrix: Solid
Percent Solids: 96.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.35 g	2 mL	19137	10/01/18 09:55	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		50			19135	10/01/18 22:11	NMI	TAL SPK
Total/NA	Prep	NWTPH-HCID			10.34 g	20 mL	19218	10/03/18 17:31	NMI	TAL SPK
Total/NA	Analysis	NWTPH-HCID		1			19220	10/04/18 13:05	NMI	TAL SPK
Total/NA	Prep	3050B			1.31 g	50 mL	19211	10/03/18 16:39	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19257	10/04/18 16:56	JSP	TAL SPK

Client Sample ID: SP-2

Date Collected: 09/25/18 15:30
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19112	09/28/18 10:59	MO	TAL SPK

Client Sample ID: SP-2

Date Collected: 09/25/18 15:30
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-50

Matrix: Solid
Percent Solids: 95.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.03 g	2 mL	19137	10/01/18 09:55	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		50			19135	10/01/18 22:36	NMI	TAL SPK
Total/NA	Prep	NWTPH-HCID			10.68 g	20 mL	19218	10/03/18 17:31	NMI	TAL SPK
Total/NA	Analysis	NWTPH-HCID		1			19220	10/04/18 13:28	NMI	TAL SPK
Total/NA	Prep	3050B			1.55 g	50 mL	19211	10/03/18 16:39	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19257	10/04/18 17:00	JSP	TAL SPK

Lab Chronicle

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9464-1

Client Sample ID: SP-3
Date Collected: 09/25/18 15:47
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-51
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19112	09/28/18 10:59	MO	TAL SPK

Client Sample ID: SP-3
Date Collected: 09/25/18 15:47
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-51
Matrix: Solid
Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.04 g	2 mL	19192	10/03/18 10:40	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		5			19190	10/03/18 20:03	NMI	TAL SPK
Total/NA	Prep	NWTPH-HCID			10.35 g	20 mL	19218	10/03/18 17:31	NMI	TAL SPK
Total/NA	Analysis	NWTPH-HCID		1			19220	10/04/18 13:51	NMI	TAL SPK
Total/NA	Prep	3050B			1.27 g	50 mL	19211	10/03/18 16:39	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19257	10/04/18 17:03	JSP	TAL SPK

Client Sample ID: SP-4
Date Collected: 09/25/18 15:52
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-52
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19112	09/28/18 10:59	MO	TAL SPK

Client Sample ID: SP-4
Date Collected: 09/25/18 15:52
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-52
Matrix: Solid
Percent Solids: 95.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.31 g	2 mL	19192	10/03/18 10:40	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			19190	10/03/18 20:28	NMI	TAL SPK
Total/NA	Prep	NWTPH-HCID			10.50 g	20 mL	19218	10/03/18 17:31	NMI	TAL SPK
Total/NA	Analysis	NWTPH-HCID		1			19220	10/04/18 12:19	NMI	TAL SPK
Total/NA	Prep	3050B			1.25 g	50 mL	19211	10/03/18 16:39	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19257	10/04/18 17:07	JSP	TAL SPK

Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9464-1

Laboratory: TestAmerica Spokane

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Washington	State Program	10	C569	01-06-19

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids
NWTPH-HCID	NWTPH-HCID	Solid	Diesel Range Organics (DRO) (C10-C25)
NWTPH-HCID	NWTPH-HCID	Solid	Gasoline Range Organics [C6 - C10]
NWTPH-HCID	NWTPH-HCID	Solid	Residual Range Organics (RRO) (C25-C36)

Method Summary

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9464-1

Method	Method Description	Protocol	Laboratory
8270D SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL SPK
NWTPH-HCID	Northwest - Hydrocarbon Identification (GC)	NWTPH	TAL SPK
6010C	Metals (ICP)	SW846	TAL SPK
Moisture	Percent Moisture	EPA	TAL SPK
3050B	Preparation, Metals	SW846	TAL SPK
3550C	Ultrasonic Extraction	SW846	TAL SPK
NWTPH-HCID	Solvent Extraction	NWTPH	TAL SPK

Protocol References:

EPA = US Environmental Protection Agency

NWTPH = Northwest Total Petroleum Hydrocarbon

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

Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Sample Custody Record

Samples Shipped to: TEST AMERICA

PAGE 1 OF 5

HARTCROWSER

Hart Crowser, Inc.
3131 Elliott Avenue, Suite 600
Seattle, Washington 98121
Office: 206.324.9530 • Fax 206.328.5581

10/5/2018

JOB 15014001 LAB NUMBER

PROJECT NAME CVSD

HART CROWSER CONTACT J. HANEY

SAMPLED BY: WM/KH

590-9464 Chain of Custody

LAB NO.	SAMPLE ID	DESCRIPTION	DATE	TIME	MATRIX	REQUESTED ANALYSIS: LEAD	AS	PAH's	TPH-HCID	NO. OF CONTAINERS	
	TP-24-6		9/25/18	0915	SOIL	X	X	X		1	Pb ONLY
	TP-24-12			0916							HOLD
	TP-25-6			0925		X	X	X			Pb ONLY
	TP-25-12			0926							HOLD
	TP-27-6			0940		X	X	X			Pb ONLY
	TP-27-12			0941							HOLD
	TP-26-6			0955		X	X	X			Pb ONLY
	TP-26-12			0956							HOLD
	TP-30-6			1025		X	X	X			
	TP-30-12			1026							HOLD
	TP-28-6			1030		X	X	X			
	TP-28-12			1031							HOLD

RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE	9/26/18	SIGNATURE Sheila Kratz	9/26/18
PRINT NAME WARD MCDONALD	TIME	PRINT NAME Sheila Kratz	TIME
COMPANY HART CROWSER	1015	COMPANY TA Spok	1018
RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE	TIME	SIGNATURE	TIME
PRINT NAME		PRINT NAME	
COMPANY		COMPANY	

SPECIAL SHIPMENT HANDLING OR STORAGE REQUIREMENTS:

TP-24-6 TO TP-27-6 Pb ONLY

TOTAL NUMBER OF CONTAINERS

SAMPLE RECEIPT INFORMATION
CUSTODY SEALS: ☐YES ☐NO ☐N/A
GOOD CONDITION ☐YES ☐NO
TEMPERATURE 2.6°C IR004
SHIPMENT METHOD: ☐HAND ☐COURIER ☐OVERNIGHT

COOLER NO.: STORAGE LOCATION:

See Lab Work Order No. _____ for Other Contract Requirements

TURNAROUND TIME:
☐ 24 HOURS ☐ 1 WEEK
☐48 HOURS ☒STANDARD
☐72 HOURS OTHER _____

White to Lab Yellow to Project Manager Pink to Sample Custodian

Sample Custody Record

Samples Shipped to: TEST AMERICA

HARTCROWSER

Hart Crowser, Inc
3131 Elliott Avenue, Suite 600
Seattle, Washington 98121
Office: 206.324.9530 • Fax 206.328.5581

10/5/2018

JOB 15014001 LAB NUMBER

PROJECT NAME CVSD

HART CROWSER CONTACT J. HANEY

SAMPLED BY: WM/KH

LAB NO.	SAMPLE ID	DESCRIPTION	DATE	TIME	MATRIX	REQUESTED ANALYSIS: BEND	AS	PAHS	TPH-HCID	NO. OF CONTAINERS	OBSERVATIONS/COMMENTS/ COMPOSITING INSTRUCTIONS
	TP-29-6		9/25/18	1045	Soil	X	X	X		1	
	TP-29-12			1046							HOLD
	TP-31-6			1100		X	X	X			
	TP-31-12			1101							HOLD
	TP-33-6			1125		X	X	X			
	TP-33-12			1126		WDW					HOLD
	TP-18-18			1145		~~X~~	~~X~~	X			PAHS ONLY
	TP-18-24			1146							HOLD
	TP-32-6			1210		X	X	X			
	TP-32-12			1211							HOLD
	TP-34-6			1220		X	X	X			
	TP-34-12			1221							HOLD

RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE	9/26/18	SIGNATURE	9/26/18
PRINT NAME	TIME	PRINT NAME	TIME
COMPANY	HART CROWSER 1015	COMPANY	10:18
RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE	TIME	SIGNATURE	TIME
PRINT NAME		PRINT NAME	
COMPANY		COMPANY	

SPECIAL SHIPMENT HANDLING OR STORAGE REQUIREMENTS:
TP-18-18 PAH ONLY

TOTAL NUMBER OF CONTAINERS

SAMPLE RECEIPT INFORMATION
CUSTODY SEALS: ☐YES ☐NO ☐N/A
GOOD CONDITION ☐YES ☐NO
TEMPERATURE 2.6°C IR GUN
SHIPMENT METHOD: ☐HAND ☐COURIER ☐OVERNIGHT

COOLER NO.: STORAGE LOCATION:

See Lab Work Order No. _____ for Other Contract Requirements

TURNAROUND TIME:
☐ 24 HOURS ☐ 1 WEEK
☐48 HOURS ☒STANDARD
☐72 HOURS OTHER _____

White to Lab Yellow to Project Manager Pink to Sample Custodian

Sample Custody Record

Samples Shipped to: TEST AMERICA

HART CROWSER

Hart Crowser, Inc.
3131 Elliott Avenue, Suite 600
Seattle, Washington 98121
Office: 206.324.9530 • Fax 206.328.5581

10/5/2018

JOB 15014001 LAB NUMBER

PROJECT NAME CVSD

HART CROWSER CONTACT J. HANEY

SAMPLED BY: WM / KH

LAB NO.	SAMPLE ID	DESCRIPTION	DATE	TIME	MATRIX	REQUESTED ANALYSIS: LEAD	AS	PAHS	TPH-HCID	NO. OF CONTAINERS	OBSERVATIONS/COMMENTS/ COMPOSITING INSTRUCTIONS
	TP-36-6		9/25/18	1230	SOIL	X	X	X		1	
	TP-36-12			1231							Hold
	TP-38-6			1240		X	X	X			
	TP-38-12			1241							Hold
	TP-40-6			1300		X	X	X			
	TP-40-12			1301							Hold
	TP-19-18			1320		X	X	X			
	TP-19-24			1321							Hold
	TP-37-6			1325		X	X	X			
	TP-37-12			1326							Hold
	TP-35-6			1330		X	X	X		✓	
	TP-35-12			1331							Hold

RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE	9/26/18	SIGNATURE Sheila Krack	9/26/18
PRINT NAME WARD MCCORMICK	TIME	PRINT NAME Sheila Krack	TIME 10:18
COMPANY HART CROWSER	1015	COMPANY TA Spo	
RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE	TIME	SIGNATURE	TIME
PRINT NAME		PRINT NAME	
COMPANY		COMPANY	

SPECIAL SHIPMENT HANDLING OR STORAGE REQUIREMENTS:

TOTAL NUMBER OF CONTAINERS

SAMPLE RECEIPT INFORMATION
CUSTODY SEALS: ☐YES ☐NO ☐N/A
GOOD CONDITION ☐YES ☐NO
TEMPERATURE 2.6 +0.2 -0.4
SHIPMENT METHOD: ☐HAND ☐COURIER ☐OVERNIGHT

COOLER NO.: STORAGE LOCATION:

See Lab Work Order No. _____ for Other Contract Requirements

TURNAROUND TIME:
☐ 24 HOURS ☐ 1 WEEK
☐48 HOURS ☒STANDARD
☐72 HOURS OTHER _____

White to Lab Yellow to Project Manager Pink to Sample Custodian

Sample Custody Record

Samples Shipped to: TEST AMERICA

HART CROWSER

Hart Crowser, Inc
3131 Elliott Avenue, Suite 600
Seattle, Washington 98121
Office: 206.324.9530 • Fax 206.328.5581

10/5/2018

JOB 15014001 LAB NUMBER

PROJECT NAME CVSD

HART CROWSER CONTACT J. HANEY

SAMPLED BY: WDM/KH

LAB NO.	SAMPLE ID	DESCRIPTION	DATE	TIME	MATRIX	LEAD	AS	PAHs	TPH-HCID	NO. OF CONTAINERS	OBSERVATIONS/COMMENTS/ COMPOSITING INSTRUCTIONS
	TP-39-6		9/25/18	1340	SOIL	X	X	X		1	
	TP-39-12			1341							HOLD
WDM 9/26/18	TP-40-6			1355		X	X	X			
	TP-40-12			1356							HOLD
	TP-41-6			1400		X	X	X			
	TP-41-12			1401							HOLD
	TP-20-12			1420		WDM X	WDM X	X			PAHs ONLY
	TP-20-18			1421							HOLD
	TP-20-24			1422							HOLD
	TP-42-6			1436		X	X	X			
	TP-42-12			1431							HOLD
	TP-43-6			1445		X	X	X			

RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE	9/26/18	Sheila Kratz	9/26/18
PRINT NAME	TIME	Sheila Kratz	TIME
COMPANY	HART CROWSER 1015	JA SPC	10:18

RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE	TIME	SIGNATURE	TIME
PRINT NAME		PRINT NAME	
COMPANY		COMPANY	

SPECIAL SHIPMENT HANDLING OR STORAGE REQUIREMENTS:

TPH-20-12 PAH ONLY

TOTAL NUMBER OF CONTAINERS

SAMPLE RECEIPT INFORMATION

CUSTODY SEALS: ☐YES ☐NO ☐N/A

GOOD CONDITION ☐YES ☐NO

TEMPERATURE 2.6°C IR004

SHIPMENT METHOD: ☐HAND ☐COURIER ☐OVERNIGHT

COOLER NO.: STORAGE LOCATION:

See Lab Work Order No. _____ for Other Contract Requirements

TURNAROUND TIME:

☐ 24 HOURS ☐ 1 WEEK

☐48 HOURS ☒STANDARD

☐72 HOURS OTHER _____

White to Lab Yellow to Project Manager Pink to Sample Custodian

Sample Custody Record

Samples Shipped to: TEST AMERICA

HARTCROWSER — PAGE 5 OF 5

Hart Crowser, Inc.
3131 Elliott Avenue, Suite 600
Seattle, Washington 9812
Office: 206.324.9530 • Fax 206.328.558

JOB 15604001 LAB NUMBER

PROJECT NAME CVSD

HART CROWSER CONTACT J. HANEY

SAMPLED BY: WM/KH

LAB NO.	SAMPLE ID	DESCRIPTION	DATE	TIME	MATRIX	LEAD	AS	PAHS	TPH-HCID										NO. OF CONTAINERS	OBSERVATIONS/COMMENTS/ COMPOSITING INSTRUCTIONS
	TP-43-12		9/24/18	1446	SOIL														1	HOLD
	SP-1			1520		X	X	X	X										5	
	SP-2			1530		X	X	X	X										1	
	SP-3			1547		X	X	X	X										1	
	SP-4			1552		X	X	X	X										1	

RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE [signature]	9/24/18	SIGNATURE [signature]	9/26/18
PRINT NAME WARD MCDONALD	TIME 1015	PRINT NAME SHEILA KRATZ	TIME 10:18
COMPANY HART CROWSER		COMPANY TA SPO	
RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE	TIME	SIGNATURE	TIME
PRINT NAME		PRINT NAME	
COMPANY		COMPANY	

SPECIAL SHIPMENT HANDLING OR STORAGE REQUIREMENTS:

COOLER NO.: STORAGE LOCATION:

See Lab Work Order No. ______ for Other Contract Requirements

TOTAL NUMBER OF CONTAINERS

SAMPLE RECEIPT INFORMATION

CUSTODY SEALS: ☐YES ☐NO ☐N/A

GOOD CONDITION ☐YES ☐NO

TEMPERATURE 2.6 IR004

SHIPMENT METHOD: ☐HAND ☐COURIER ☐OVERNIGHT

TURNAROUND TIME:

☐ 24 HOURS ☐ 1 WEEK

☐ 48 HOURS ☒ STANDARD

☐ 72 HOURS OTHER ______

White to Lab Yellow to Project Manager Pink to Sample Custodian

Sample Custody Record

Samples Shipped to: TEST AMERICA

HARTCROWSER

Hart Crowser, Inc
3131 Elliott Avenue, Suite 600
Seattle, Washington 98121
Office: 206.324.9530 • Fax 206.328.5581

10/5/2018

JOB 590-9464 LAB NUMBER

PROJECT NAME CVSD

HART CROWSER CONTACT J. HANEY

SAMPLED BY: WM/~~EH~~

LAB NO.	SAMPLE ID	DESCRIPTION	DATE	TIME	MATRIX	Pb	As	PAHs	NO. OF CONTAINERS	OBSERVATIONS/COMMENTS/ COMPOSITING INSTRUCTIONS
	TP-41-6		9/27/18	0900	SOIL	X	X	X	1	

REQUESTED ANALYSIS

590-9464 Chain of Custody

RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE	9/27/18	SIGNATURE Sheila Kratz	9/27/18
PRINT NAME WARD MCDONALD	TIME	PRINT NAME	TIME 1005
COMPANY HART CROWSER		COMPANY TAL SEA	
RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE		SIGNATURE	
PRINT NAME	TIME	PRINT NAME	TIME
COMPANY		COMPANY	

SPECIAL SHIPMENT HANDLING OR STORAGE REQUIREMENTS:

COOLER NO.: STORAGE LOCATION:

See Lab Work Order No. _____ for Other Contract Requirements

TOTAL NUMBER OF CONTAINERS

SAMPLE RECEIPT INFORMATION
CUSTODY SEALS: ☐YES ☐NO ☐N/A
GOOD CONDITION ☐YES ☐NO
TEMPERATURE _____
SHIPMENT METHOD: ☐HAND ☐COURIER ☐OVERNIGHT

TURNAROUND TIME:
☐ 24 HOURS ☐ 1 WEEK
☐48 HOURS ☒STANDARD
☐72 HOURS OTHER _____

White to Lab Yellow to Project Manager Pink to Sample Custodian

4.3c-IR004

Login Sample Receipt Checklist

Client: Hart Crowser, Inc.

Job Number: 590-9464-1

Login Number: 9464
List Number: 1
Creator: Kratz, Sheila J

List Source: TestAmerica Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
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.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
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 (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

TestAmerica Job ID: 590-9910-1
Client Project/Site: CVSD/15014001

For:
Hart Crowser, Inc.
505 West Riverside Avenue, Suite 205
Spokane, Washington 99201

Attn: John Haney

Authorized for release by:
11/14/2018 4:02:30 PM

Randee Arrington, Project Manager II
(509)924-9200
randee.arrington@testamericainc.com

Table of Contents

Case Narrative

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9910-1

Job ID: 590-9910-1

Laboratory: TestAmerica Spokane

Narrative

Receipt
The samples were received on 11/12/2018 1:53 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.9º C.

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

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

Sample Summary

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9910-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-9910-1	TP-12EX-N	Solid	11/12/18 12:20	11/12/18 13:53
590-9910-2	TP-12EX-S	Solid	11/12/18 12:25	11/12/18 13:53
590-9910-3	SP-5	Solid	11/12/18 12:35	11/12/18 13:53

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9910-1

Qualifiers

Metals

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds 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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Client Sample Results

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9910-1

Client Sample ID: TP-12EX-N

Lab Sample ID: 590-9910-1
Date Collected: 11/12/18 12:20
Matrix: Solid
Date Received: 11/12/18 13:53
Percent Solids: 90.1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	29	F2	2.8		mg/Kg	☼	11/14/18 08:53	11/14/18 14:25	1

Client Sample ID: TP-12EX-S

Lab Sample ID: 590-9910-2
Date Collected: 11/12/18 12:25
Matrix: Solid
Date Received: 11/12/18 13:53
Percent Solids: 87.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	27		2.4		mg/Kg	☼	11/14/18 08:53	11/14/18 14:47	1

Client Sample ID: SP-5

Lab Sample ID: 590-9910-3
Date Collected: 11/12/18 12:35
Matrix: Solid
Date Received: 11/12/18 13:53
Percent Solids: 85.8

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	96		2.8		mg/Kg	☼	11/14/18 08:53	11/14/18 14:51	1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 590-19897/2-A
Matrix: Solid
Analysis Batch: 19906

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19897

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		3.0		mg/Kg		11/14/18 08:53	11/14/18 14:22	1

Lab Sample ID: LCS 590-19897/1-A
Matrix: Solid
Analysis Batch: 19906

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19897

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			50.0	50.7		mg/Kg		101	80 - 120		

Lab Sample ID: 590-9910-1 MS
Matrix: Solid
Analysis Batch: 19906

Client Sample ID: TP-12EX-N
Prep Type: Total/NA
Prep Batch: 19897

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead	29	F2	54.9	92.8		mg/Kg	☼	115	75 - 125		

Lab Sample ID: 590-9910-1 MSD
Matrix: Solid
Analysis Batch: 19906

Client Sample ID: TP-12EX-N
Prep Type: Total/NA
Prep Batch: 19897

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	29	F2	52.3	73.9	F2	mg/Kg	☼	85	75 - 125	23	20

Lab Sample ID: 590-9910-1 DU
Matrix: Solid
Analysis Batch: 19906

Client Sample ID: TP-12EX-N
Prep Type: Total/NA
Prep Batch: 19897

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Lead	29	F2		32.6		mg/Kg	☼			10	20

Lab Chronicle

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9910-1

Client Sample ID: TP-12EX-N
Date Collected: 11/12/18 12:20
Date Received: 11/12/18 13:53

Lab Sample ID: 590-9910-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19889	11/13/18 14:37	NMI	TAL SPK

Client Sample ID: TP-12EX-N
Date Collected: 11/12/18 12:20
Date Received: 11/12/18 13:53

Lab Sample ID: 590-9910-1
Matrix: Solid
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.19 g	50 mL	19897	11/14/18 08:53	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19906	11/14/18 14:25	JSP	TAL SPK

Client Sample ID: TP-12EX-S
Date Collected: 11/12/18 12:25
Date Received: 11/12/18 13:53

Lab Sample ID: 590-9910-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19889	11/13/18 14:37	NMI	TAL SPK

Client Sample ID: TP-12EX-S
Date Collected: 11/12/18 12:25
Date Received: 11/12/18 13:53

Lab Sample ID: 590-9910-2
Matrix: Solid
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.42 g	50 mL	19897	11/14/18 08:53	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19906	11/14/18 14:47	JSP	TAL SPK

Client Sample ID: SP-5
Date Collected: 11/12/18 12:35
Date Received: 11/12/18 13:53

Lab Sample ID: 590-9910-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19889	11/13/18 14:37	NMI	TAL SPK

Client Sample ID: SP-5
Date Collected: 11/12/18 12:35
Date Received: 11/12/18 13:53

Lab Sample ID: 590-9910-3
Matrix: Solid
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.25 g	50 mL	19897	11/14/18 08:53	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19906	11/14/18 14:51	JSP	TAL SPK

Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9910-1

Laboratory: TestAmerica Spokane

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Washington	State Program	10	C569	01-06-19

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9910-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL SPK
Moisture	Percent Moisture	EPA	TAL SPK
3050B	Preparation, Metals	SW846	TAL SPK

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 SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Sample Custody Record

Samples Shipped to: _____

590-9910 Chain of Custody

HART CROWSER

Hart Crowser, Inc.
3131 Elliott Avenue, Suite 600
Seattle, Washington 98121
Office: 206.324.9530 • **Fax** 206.328.5581

JOB 15001400 1 LAB NUMBER _____

PROJECT NAME CVSD

HART CROWSER CONTACT J. HANEY

SAMPLED BY:

LAB NO.	SAMPLE ID	DESCRIPTION	DATE	TIME	MATRIX	REQUESTED ANALYSIS: Pb	NO. OF CONTAINERS	OBSERVATIONS/COMMENTS/ COMPOSITING INSTRUCTIONS
	TP-12EX-N		11/12/18	12:20	Soil	X	1	
	TP-12EX-S		↓	12:25	↓	X	1	
	SP-5		↓	12:35	↓	X	1	

RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE: JOHN HANEY	11/12/18	SIGNATURE: Sheila Hrad	11/12/18
PRINT NAME: HART CROWSER	TIME: 13:51	PRINT NAME: TA SPC	TIME: 1353
COMPANY		COMPANY	
RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE	TIME	SIGNATURE	TIME
PRINT NAME		PRINT NAME	
COMPANY		COMPANY	

SPECIAL SHIPMENT HANDLING OR STORAGE REQUIREMENTS:
5.9C FR004

COOLER NO.: STORAGE LOCATION:

See Lab Work Order No. _____ for Other Contract Requirements

TOTAL NUMBER OF CONTAINERS

SAMPLE RECEIPT INFORMATION
CUSTODY SEALS: ☐YES ☐NO ☐N/A
GOOD CONDITION ☐YES ☐NO
TEMPERATURE _____
SHIPMENT METHOD: ☐HAND ☐COURIER ☐OVERNIGHT

TURNAROUND TIME:
☐ 24 HOURS ☐ 1 WEEK
☒ 48 HOURS ☐STANDARD
☐72 HOURS OTHER _____

White to Lab Yellow to Project Manager Pink to Sample Custodian

Login Sample Receipt Checklist

Client: Hart Crowser, Inc.

Job Number: 590-9910-1

Login Number: 9910
List Number: 1
Creator: Kratz, Sheila J

List Source: TestAmerica Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
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.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
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?	N/A	Not listed on COC
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	Sample is solid
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

TestAmerica Job ID: 590-9924-1
Client Project/Site: CVSD/15014001
Revision: 1

For:
Hart Crowser, Inc.
505 West Riverside Avenue, Suite 205
Spokane, Washington 99201

Attn: John Haney

Authorized for release by:
12/31/2018 11:57:43 AM

Randee Arrington, Project Manager II
(509)924-9200
randee.arrington@testamericainc.com

Table of Contents

Job ID: 590-9924-1

Laboratory: TestAmerica Spokane

Narrative

Report Revision 12/31/2018
Per the client's request Arsenic data was added for the following samples: SP-1EX-1 (590-9924-4), SP-1EX-2 (590-9924-5), SP-1EX-3 (590-9924-6), SP-1EX-4 (590-9924-7), SP-1EX-5 (590-9924-8), SP-1EX-6 (590-9924-9) and SP-1EX-7 (590-9924-10).

Receipt
The samples were received on 11/14/2018 12:54 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.4° C.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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

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

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

Sample Summary

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9924-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-9924-1	SP-3EX-1	Solid	11/14/18 11:52	11/14/18 12:54
590-9924-2	SP-3EX-2	Solid	11/14/18 11:54	11/14/18 12:54
590-9924-3	SP-3EX-3	Solid	11/14/18 11:55	11/14/18 12:54
590-9924-4	SP-1EX-1	Solid	11/14/18 11:40	11/14/18 12:54
590-9924-5	SP-1EX-2	Solid	11/14/18 11:42	11/14/18 12:54
590-9924-6	SP-1EX-3	Solid	11/14/18 11:43	11/14/18 12:54
590-9924-7	SP-1EX-4	Solid	11/14/18 10:50	11/14/18 12:54
590-9924-8	SP-1EX-5	Solid	11/14/18 10:46	11/14/18 12:54
590-9924-9	SP-1EX-6	Solid	11/14/18 10:47	11/14/18 12:54
590-9924-10	SP-1EX-7	Solid	11/14/18 10:49	11/14/18 12:54

Definitions/Glossary

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9924-1

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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Client Sample ID: SP-3EX-1

Lab Sample ID: 590-9924-1

Date Collected: 11/14/18 11:52

Matrix: Solid

Date Received: 11/14/18 12:54

Percent Solids: 93.2

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 12:56	1
2-Methylnaphthalene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 12:56	1
1-Methylnaphthalene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 12:56	1
Acenaphthylene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 12:56	1
Acenaphthene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 12:56	1
Fluorene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 12:56	1
Phenanthrene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 12:56	1
Anthracene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 12:56	1
Fluoranthene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 12:56	1
Pyrene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 12:56	1
Benzo[a]anthracene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 12:56	1
Chrysene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 12:56	1
Benzo[b]fluoranthene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 12:56	1
Benzo[k]fluoranthene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 12:56	1
Benzo[a]pyrene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 12:56	1
Indeno[1,2,3-cd]pyrene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 12:56	1
Dibenz(a,h)anthracene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 12:56	1
Benzo[g,h,i]perylene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 12:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*62*		*23 - 120*	*11/15/18 09:41*	*11/15/18 12:56*	*1*
2-Fluorobiphenyl (Surr)	*80*		*38 - 123*	*11/15/18 09:41*	*11/15/18 12:56*	*1*
p-Terphenyl-d14	*85*		*68 - 136*	*11/15/18 09:41*	*11/15/18 12:56*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		2.6		mg/Kg	☼	11/15/18 09:17	11/15/18 13:25	1

Client Sample ID: SP-3EX-2

Lab Sample ID: 590-9924-2

Date Collected: 11/14/18 11:54

Matrix: Solid

Date Received: 11/14/18 12:54

Percent Solids: 95.5

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 13:21	1
2-Methylnaphthalene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 13:21	1
1-Methylnaphthalene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 13:21	1
Acenaphthylene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 13:21	1
Acenaphthene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 13:21	1
Fluorene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 13:21	1
Phenanthrene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 13:21	1
Anthracene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 13:21	1
Fluoranthene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 13:21	1
Pyrene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 13:21	1
Benzo[a]anthracene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 13:21	1
Chrysene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 13:21	1
Benzo[b]fluoranthene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 13:21	1
Benzo[k]fluoranthene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 13:21	1
Benzo[a]pyrene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 13:21	1
Indeno[1,2,3-cd]pyrene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 13:21	1

Client Sample ID: SP-3EX-2

Lab Sample ID: 590-9924-2
Date Collected: 11/14/18 11:54
Matrix: Solid
Date Received: 11/14/18 12:54
Percent Solids: 95.5

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 13:21	1
Benzo[g,h,i]perylene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 13:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*65*		*23 - 120*	*11/15/18 09:41*	*11/15/18 13:21*	*1*
2-Fluorobiphenyl (Surr)	*76*		*38 - 123*	*11/15/18 09:41*	*11/15/18 13:21*	*1*
p-Terphenyl-d14	*87*		*68 - 136*	*11/15/18 09:41*	*11/15/18 13:21*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	12		2.9		mg/Kg	☼	11/15/18 09:17	11/15/18 13:47	1

Client Sample ID: SP-3EX-3

Lab Sample ID: 590-9924-3
Date Collected: 11/14/18 11:55
Matrix: Solid
Date Received: 11/14/18 12:54
Percent Solids: 97.3

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		9.9		ug/Kg	☼	11/15/18 09:41	11/15/18 13:45	1
2-Methylnaphthalene	ND		9.9		ug/Kg	☼	11/15/18 09:41	11/15/18 13:45	1
1-Methylnaphthalene	ND		9.9		ug/Kg	☼	11/15/18 09:41	11/15/18 13:45	1
Acenaphthylene	ND		9.9		ug/Kg	☼	11/15/18 09:41	11/15/18 13:45	1
Acenaphthene	ND		9.9		ug/Kg	☼	11/15/18 09:41	11/15/18 13:45	1
Fluorene	ND		9.9		ug/Kg	☼	11/15/18 09:41	11/15/18 13:45	1
Phenanthrene	ND		9.9		ug/Kg	☼	11/15/18 09:41	11/15/18 13:45	1
Anthracene	ND		9.9		ug/Kg	☼	11/15/18 09:41	11/15/18 13:45	1
Fluoranthene	ND		9.9		ug/Kg	☼	11/15/18 09:41	11/15/18 13:45	1
Pyrene	ND		9.9		ug/Kg	☼	11/15/18 09:41	11/15/18 13:45	1
Benzo[a]anthracene	ND		9.9		ug/Kg	☼	11/15/18 09:41	11/15/18 13:45	1
Chrysene	ND		9.9		ug/Kg	☼	11/15/18 09:41	11/15/18 13:45	1
Benzo[b]fluoranthene	ND		9.9		ug/Kg	☼	11/15/18 09:41	11/15/18 13:45	1
Benzo[k]fluoranthene	ND		9.9		ug/Kg	☼	11/15/18 09:41	11/15/18 13:45	1
Benzo[a]pyrene	ND		9.9		ug/Kg	☼	11/15/18 09:41	11/15/18 13:45	1
Indeno[1,2,3-cd]pyrene	ND		9.9		ug/Kg	☼	11/15/18 09:41	11/15/18 13:45	1
Dibenz(a,h)anthracene	ND		9.9		ug/Kg	☼	11/15/18 09:41	11/15/18 13:45	1
Benzo[g,h,i]perylene	ND		9.9		ug/Kg	☼	11/15/18 09:41	11/15/18 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*54*		*23 - 120*	*11/15/18 09:41*	*11/15/18 13:45*	*1*
2-Fluorobiphenyl (Surr)	*69*		*38 - 123*	*11/15/18 09:41*	*11/15/18 13:45*	*1*
p-Terphenyl-d14	*81*		*68 - 136*	*11/15/18 09:41*	*11/15/18 13:45*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	12		2.5		mg/Kg	☼	11/15/18 09:17	11/15/18 13:51	1

Client Sample ID: SP-1EX-1

Lab Sample ID: 590-9924-4
Date Collected: 11/14/18 11:40
Matrix: Solid
Date Received: 11/14/18 12:54
Percent Solids: 95.3

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 14:10	1
2-Methylnaphthalene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 14:10	1
1-Methylnaphthalene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 14:10	1
Acenaphthylene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 14:10	1
Acenaphthene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 14:10	1
Fluorene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 14:10	1
Phenanthrene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 14:10	1
Anthracene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 14:10	1
Fluoranthene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 14:10	1
Pyrene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 14:10	1
Benzo[a]anthracene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 14:10	1
Chrysene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 14:10	1
Benzo[b]fluoranthene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 14:10	1
Benzo[k]fluoranthene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 14:10	1
Benzo[a]pyrene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 14:10	1
Indeno[1,2,3-cd]pyrene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 14:10	1
Dibenz(a,h)anthracene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 14:10	1
Benzo[g,h,i]perylene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*53*		*23 - 120*	*11/15/18 09:41*	*11/15/18 14:10*	*1*
2-Fluorobiphenyl (Surr)	*62*		*38 - 123*	*11/15/18 09:41*	*11/15/18 14:10*	*1*
p-Terphenyl-d14	*73*		*68 - 136*	*11/15/18 09:41*	*11/15/18 14:10*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**11**		3.0		mg/Kg	☼	11/15/18 09:17	11/15/18 14:05	1
Arsenic	**8.5**		1.2		mg/Kg	☼	11/15/18 09:17	11/15/18 14:05	1

Client Sample ID: SP-1EX-2

Lab Sample ID: 590-9924-5
Date Collected: 11/14/18 11:42
Matrix: Solid
Date Received: 11/14/18 12:54
Percent Solids: 89.6

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 14:35	1
2-Methylnaphthalene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 14:35	1
1-Methylnaphthalene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 14:35	1
Acenaphthylene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 14:35	1
Acenaphthene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 14:35	1
Fluorene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 14:35	1
Phenanthrene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 14:35	1
Anthracene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 14:35	1
Fluoranthene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 14:35	1
Pyrene	**12**		11		ug/Kg	☼	11/15/18 09:41	11/15/18 14:35	1
Benzo[a]anthracene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 14:35	1
Chrysene	**11**		11		ug/Kg	☼	11/15/18 09:41	11/15/18 14:35	1
Benzo[b]fluoranthene	**13**		11		ug/Kg	☼	11/15/18 09:41	11/15/18 14:35	1
Benzo[k]fluoranthene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 14:35	1
Benzo[a]pyrene	**11**		11		ug/Kg	☼	11/15/18 09:41	11/15/18 14:35	1

Client Sample ID: SP-1EX-2

Lab Sample ID: 590-9924-5
Date Collected: 11/14/18 11:42
Matrix: Solid
Date Received: 11/14/18 12:54
Percent Solids: 89.6

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 14:35	1
Dibenz(a,h)anthracene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 14:35	1
Benzo[g,h,i]perylene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*42*		*23 - 120*	*11/15/18 09:41*	*11/15/18 14:35*	*1*
2-Fluorobiphenyl (Surr)	*56*		*38 - 123*	*11/15/18 09:41*	*11/15/18 14:35*	*1*
p-Terphenyl-d14	*76*		*68 - 136*	*11/15/18 09:41*	*11/15/18 14:35*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**15**		2.4		mg/Kg	☼	11/15/18 09:17	11/15/18 14:08	1
Arsenic	**6.9**		1.0		mg/Kg	☼	11/15/18 09:17	11/15/18 14:08	1

Client Sample ID: SP-1EX-3

Lab Sample ID: 590-9924-6
Date Collected: 11/14/18 11:43
Matrix: Solid
Date Received: 11/14/18 12:54
Percent Solids: 89.2

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:00	1
2-Methylnaphthalene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:00	1
1-Methylnaphthalene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:00	1
Acenaphthylene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:00	1
Acenaphthene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:00	1
Fluorene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:00	1
Phenanthrene	**21**		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:00	1
Anthracene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:00	1
Fluoranthene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:00	1
Pyrene	**25**		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:00	1
Benzo[a]anthracene	**11**		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:00	1
Chrysene	**19**		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:00	1
Benzo[b]fluoranthene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:00	1
Benzo[k]fluoranthene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:00	1
Benzo[a]pyrene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:00	1
Indeno[1,2,3-cd]pyrene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:00	1
Dibenz(a,h)anthracene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:00	1
Benzo[g,h,i]perylene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*62*		*23 - 120*	*11/15/18 09:41*	*11/15/18 15:00*	*1*
2-Fluorobiphenyl (Surr)	*67*		*38 - 123*	*11/15/18 09:41*	*11/15/18 15:00*	*1*
p-Terphenyl-d14	*79*		*68 - 136*	*11/15/18 09:41*	*11/15/18 15:00*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**12**		2.8		mg/Kg	☼	11/15/18 09:17	11/15/18 14:12	1
Arsenic	**10**		1.2		mg/Kg	☼	11/15/18 09:17	11/15/18 14:12	1

Client Sample ID: SP-1EX-4

Lab Sample ID: 590-9924-7
Date Collected: 11/14/18 10:50
Matrix: Solid
Date Received: 11/14/18 12:54
Percent Solids: 90.5

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:24	1
2-Methylnaphthalene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:24	1
1-Methylnaphthalene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:24	1
Acenaphthylene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:24	1
Acenaphthene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:24	1
Fluorene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:24	1
Phenanthrene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:24	1
Anthracene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:24	1
Fluoranthene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:24	1
Pyrene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:24	1
Benzo[a]anthracene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:24	1
Chrysene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:24	1
Benzo[b]fluoranthene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:24	1
Benzo[k]fluoranthene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:24	1
Benzo[a]pyrene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:24	1
Indeno[1,2,3-cd]pyrene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:24	1
Dibenz(a,h)anthracene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:24	1
Benzo[g,h,i]perylene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*55*		*23 - 120*	*11/15/18 09:41*	*11/15/18 15:24*	*1*
2-Fluorobiphenyl (Surr)	*64*		*38 - 123*	*11/15/18 09:41*	*11/15/18 15:24*	*1*
p-Terphenyl-d14	*75*		*68 - 136*	*11/15/18 09:41*	*11/15/18 15:24*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**9.7**		2.3		mg/Kg	☼	11/15/18 09:17	11/15/18 14:16	1
Arsenic	**5.5**		0.98		mg/Kg	☼	11/15/18 09:17	11/15/18 14:16	1

Client Sample ID: SP-1EX-5

Lab Sample ID: 590-9924-8
Date Collected: 11/14/18 10:46
Matrix: Solid
Date Received: 11/14/18 12:54
Percent Solids: 94.8

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 15:49	1
2-Methylnaphthalene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 15:49	1
1-Methylnaphthalene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 15:49	1
Acenaphthylene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 15:49	1
Acenaphthene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 15:49	1
Fluorene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 15:49	1
Phenanthrene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 15:49	1
Anthracene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 15:49	1
Fluoranthene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 15:49	1
Pyrene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 15:49	1
Benzo[a]anthracene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 15:49	1
Chrysene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 15:49	1
Benzo[b]fluoranthene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 15:49	1
Benzo[k]fluoranthene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 15:49	1
Benzo[a]pyrene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 15:49	1

Client Sample ID: SP-1EX-5

Lab Sample ID: 590-9924-8
Date Collected: 11/14/18 10:46
Matrix: Solid
Date Received: 11/14/18 12:54
Percent Solids: 94.8

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 15:49	1
Dibenz(a,h)anthracene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 15:49	1
Benzo[g,h,i]perylene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 15:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*59*		*23 - 120*	*11/15/18 09:41*	*11/15/18 15:49*	*1*
2-Fluorobiphenyl (Surr)	*70*		*38 - 123*	*11/15/18 09:41*	*11/15/18 15:49*	*1*
p-Terphenyl-d14	*81*		*68 - 136*	*11/15/18 09:41*	*11/15/18 15:49*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**11**		2.4		mg/Kg	☼	11/15/18 09:17	11/15/18 14:20	1
Arsenic	**6.8**		1.0		mg/Kg	☼	11/15/18 09:17	11/15/18 14:20	1

Client Sample ID: SP-1EX-6

Lab Sample ID: 590-9924-9
Date Collected: 11/14/18 10:47
Matrix: Solid
Date Received: 11/14/18 12:54
Percent Solids: 94.9

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 16:14	1
2-Methylnaphthalene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 16:14	1
1-Methylnaphthalene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 16:14	1
Acenaphthylene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 16:14	1
Acenaphthene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 16:14	1
Fluorene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 16:14	1
Phenanthrene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 16:14	1
Anthracene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 16:14	1
Fluoranthene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 16:14	1
Pyrene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 16:14	1
Benzo[a]anthracene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 16:14	1
Chrysene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 16:14	1
Benzo[b]fluoranthene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 16:14	1
Benzo[k]fluoranthene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 16:14	1
Benzo[a]pyrene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 16:14	1
Indeno[1,2,3-cd]pyrene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 16:14	1
Dibenz(a,h)anthracene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 16:14	1
Benzo[g,h,i]perylene	ND		10		ug/Kg	☼	11/15/18 09:41	11/15/18 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*60*		*23 - 120*	*11/15/18 09:41*	*11/15/18 16:14*	*1*
2-Fluorobiphenyl (Surr)	*73*		*38 - 123*	*11/15/18 09:41*	*11/15/18 16:14*	*1*
p-Terphenyl-d14	*88*		*68 - 136*	*11/15/18 09:41*	*11/15/18 16:14*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**11**		2.5		mg/Kg	☼	11/15/18 09:17	11/15/18 14:23	1
Arsenic	**6.9**		1.0		mg/Kg	☼	11/15/18 09:17	11/15/18 14:23	1

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9924-1

Client Sample ID: SP-1EX-7
Date Collected: 11/14/18 10:49
Date Received: 11/14/18 12:54

Lab Sample ID: 590-9924-10
Matrix: Solid
Percent Solids: 87.8

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 16:39	1
2-Methylnaphthalene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 16:39	1
1-Methylnaphthalene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 16:39	1
Acenaphthylene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 16:39	1
Acenaphthene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 16:39	1
Fluorene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 16:39	1
Phenanthrene	**16**		11		ug/Kg	☼	11/15/18 09:41	11/15/18 16:39	1
Anthracene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 16:39	1
Fluoranthene	**42**		11		ug/Kg	☼	11/15/18 09:41	11/15/18 16:39	1
Pyrene	**58**		11		ug/Kg	☼	11/15/18 09:41	11/15/18 16:39	1
Benzo[a]anthracene	**34**		11		ug/Kg	☼	11/15/18 09:41	11/15/18 16:39	1
Chrysene	**45**		11		ug/Kg	☼	11/15/18 09:41	11/15/18 16:39	1
Benzo[b]fluoranthene	**54**		11		ug/Kg	☼	11/15/18 09:41	11/15/18 16:39	1
Benzo[k]fluoranthene	**24**		11		ug/Kg	☼	11/15/18 09:41	11/15/18 16:39	1
Benzo[a]pyrene	**50**		11		ug/Kg	☼	11/15/18 09:41	11/15/18 16:39	1
Indeno[1,2,3-cd]pyrene	**30**		11		ug/Kg	☼	11/15/18 09:41	11/15/18 16:39	1
Dibenz(a,h)anthracene	ND		11		ug/Kg	☼	11/15/18 09:41	11/15/18 16:39	1
Benzo[g,h,i]perylene	**37**		11		ug/Kg	☼	11/15/18 09:41	11/15/18 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*58*		*23 - 120*	*11/15/18 09:41*	*11/15/18 16:39*	*1*
2-Fluorobiphenyl (Surr)	*70*		*38 - 123*	*11/15/18 09:41*	*11/15/18 16:39*	*1*
p-Terphenyl-d14	*82*		*68 - 136*	*11/15/18 09:41*	*11/15/18 16:39*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**24**		2.6		mg/Kg	☼	11/15/18 09:17	11/15/18 14:27	1
Arsenic	**7.4**		1.1		mg/Kg	☼	11/15/18 09:17	11/15/18 14:27	1

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 590-19913/1-A
Matrix: Solid
Analysis Batch: 19912

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19913

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg		11/15/18 09:41	11/15/18 11:17	1
2-Methylnaphthalene	ND		10		ug/Kg		11/15/18 09:41	11/15/18 11:17	1
1-Methylnaphthalene	ND		10		ug/Kg		11/15/18 09:41	11/15/18 11:17	1
Acenaphthylene	ND		10		ug/Kg		11/15/18 09:41	11/15/18 11:17	1
Acenaphthene	ND		10		ug/Kg		11/15/18 09:41	11/15/18 11:17	1
Fluorene	ND		10		ug/Kg		11/15/18 09:41	11/15/18 11:17	1
Phenanthrene	ND		10		ug/Kg		11/15/18 09:41	11/15/18 11:17	1
Anthracene	ND		10		ug/Kg		11/15/18 09:41	11/15/18 11:17	1
Fluoranthene	ND		10		ug/Kg		11/15/18 09:41	11/15/18 11:17	1
Pyrene	ND		10		ug/Kg		11/15/18 09:41	11/15/18 11:17	1
Benzo[a]anthracene	ND		10		ug/Kg		11/15/18 09:41	11/15/18 11:17	1
Chrysene	ND		10		ug/Kg		11/15/18 09:41	11/15/18 11:17	1
Benzo[b]fluoranthene	ND		10		ug/Kg		11/15/18 09:41	11/15/18 11:17	1
Benzo[k]fluoranthene	ND		10		ug/Kg		11/15/18 09:41	11/15/18 11:17	1
Benzo[a]pyrene	ND		10		ug/Kg		11/15/18 09:41	11/15/18 11:17	1
Indeno[1,2,3-cd]pyrene	ND		10		ug/Kg		11/15/18 09:41	11/15/18 11:17	1
Dibenz(a,h)anthracene	ND		10		ug/Kg		11/15/18 09:41	11/15/18 11:17	1
Benzo[g,h,i]perylene	ND		10		ug/Kg		11/15/18 09:41	11/15/18 11:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*78*		*23 - 120*	*11/15/18 09:41*	*11/15/18 11:17*	*1*
2-Fluorobiphenyl (Surr)	*81*		*38 - 123*	*11/15/18 09:41*	*11/15/18 11:17*	*1*
p-Terphenyl-d14	*97*		*68 - 136*	*11/15/18 09:41*	*11/15/18 11:17*	*1*

Lab Sample ID: LCS 590-19913/2-A
Matrix: Solid
Analysis Batch: 19912

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19913

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	267	181		ug/Kg		68	41 - 121
2-Methylnaphthalene	267	185		ug/Kg		69	39 - 132
1-Methylnaphthalene	267	200		ug/Kg		75	46 - 131
Acenaphthylene	267	217		ug/Kg		81	56 - 123
Acenaphthene	267	216		ug/Kg		81	43 - 140
Fluorene	267	190		ug/Kg		71	54 - 131
Phenanthrene	267	198		ug/Kg		74	55 - 141
Anthracene	267	259		ug/Kg		97	60 - 129
Fluoranthene	267	205		ug/Kg		77	63 - 141
Pyrene	267	233		ug/Kg		88	62 - 139
Benzo[a]anthracene	267	210		ug/Kg		79	61 - 136
Chrysene	267	219		ug/Kg		82	57 - 144
Benzo[b]fluoranthene	267	212		ug/Kg		79	66 - 141
Benzo[k]fluoranthene	267	222		ug/Kg		83	63 - 150
Benzo[a]pyrene	267	205		ug/Kg		77	60 - 133
Indeno[1,2,3-cd]pyrene	267	211		ug/Kg		79	55 - 142
Dibenz(a,h)anthracene	267	215		ug/Kg		81	60 - 150
Benzo[g,h,i]perylene	267	214		ug/Kg		80	58 - 147

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 590-19913/2-A
Matrix: Solid
Analysis Batch: 19912

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19913

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	69		23 - 120
2-Fluorobiphenyl (Surr)	85		38 - 123
p-Terphenyl-d14	90		68 - 136

Lab Sample ID: 590-9924-1 MS
Matrix: Solid
Analysis Batch: 19912

Client Sample ID: SP-3EX-1
Prep Type: Total/NA
Prep Batch: 19913

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	ND		282	153		ug/Kg	☼	54	41 - 121
2-Methylnaphthalene	ND		282	157		ug/Kg	☼	56	39 - 132
1-Methylnaphthalene	ND		282	175		ug/Kg	☼	62	46 - 131
Acenaphthylene	ND		282	195		ug/Kg	☼	69	56 - 123
Acenaphthene	ND		282	195		ug/Kg	☼	69	43 - 140
Fluorene	ND		282	192		ug/Kg	☼	68	54 - 131
Phenanthrene	ND		282	190		ug/Kg	☼	67	55 - 141
Anthracene	ND		282	238		ug/Kg	☼	84	60 - 129
Fluoranthene	ND		282	206		ug/Kg	☼	73	63 - 141
Pyrene	ND		282	226		ug/Kg	☼	80	62 - 139
Benzo[a]anthracene	ND		282	209		ug/Kg	☼	74	61 - 136
Chrysene	ND		282	214		ug/Kg	☼	76	57 - 144
Benzo[b]fluoranthene	ND		282	210		ug/Kg	☼	74	66 - 141
Benzo[k]fluoranthene	ND		282	212		ug/Kg	☼	75	63 - 150
Benzo[a]pyrene	ND		282	203		ug/Kg	☼	72	60 - 133
Indeno[1,2,3-cd]pyrene	ND		282	210		ug/Kg	☼	74	55 - 142
Dibenz(a,h)anthracene	ND		282	216		ug/Kg	☼	76	60 - 150
Benzo[g,h,i]perylene	ND		282	208		ug/Kg	☼	74	58 - 147

Surrogate	MS %Recovery	MS Qualifier	Limits
Nitrobenzene-d5	59		23 - 120
2-Fluorobiphenyl (Surr)	73		38 - 123
p-Terphenyl-d14	85		68 - 136

Lab Sample ID: 590-9924-1 MSD
Matrix: Solid
Analysis Batch: 19912

Client Sample ID: SP-3EX-1
Prep Type: Total/NA
Prep Batch: 19913

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Naphthalene	ND		269	167		ug/Kg	☼	62	41 - 121	9	35
2-Methylnaphthalene	ND		269	167		ug/Kg	☼	62	39 - 132	6	35
1-Methylnaphthalene	ND		269	191		ug/Kg	☼	71	46 - 131	8	35
Acenaphthylene	ND		269	191		ug/Kg	☼	71	56 - 123	2	35
Acenaphthene	ND		269	190		ug/Kg	☼	70	43 - 140	3	35
Fluorene	ND		269	173		ug/Kg	☼	64	54 - 131	10	35
Phenanthrene	ND		269	188		ug/Kg	☼	70	55 - 141	1	35
Anthracene	ND		269	236		ug/Kg	☼	87	60 - 129	1	35
Fluoranthene	ND		269	196		ug/Kg	☼	73	63 - 141	5	35
Pyrene	ND		269	221		ug/Kg	☼	82	62 - 139	3	35

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: 590-9924-1 MSD
Matrix: Solid
Analysis Batch: 19912

Client Sample ID: SP-3EX-1
Prep Type: Total/NA
Prep Batch: 19913

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[a]anthracene	ND		269	205		ug/Kg	☼	76	61 - 136	2	35
Chrysene	ND		269	199		ug/Kg	☼	74	57 - 144	7	35
Benzo[b]fluoranthene	ND		269	189		ug/Kg	☼	70	66 - 141	11	35
Benzo[k]fluoranthene	ND		269	193		ug/Kg	☼	72	63 - 150	9	35
Benzo[a]pyrene	ND		269	191		ug/Kg	☼	71	60 - 133	6	35
Indeno[1,2,3-cd]pyrene	ND		269	197		ug/Kg	☼	73	55 - 142	6	35
Dibenz(a,h)anthracene	ND		269	203		ug/Kg	☼	75	60 - 150	6	35
Benzo[g,h,i]perylene	ND		269	202		ug/Kg	☼	75	58 - 147	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Nitrobenzene-d5	*67*		*23 - 120*
2-Fluorobiphenyl (Surr)	*77*		*38 - 123*
p-Terphenyl-d14	*82*		*68 - 136*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 590-19911/2-A
Matrix: Solid
Analysis Batch: 19936

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19911

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		3.0		mg/Kg		11/15/18 09:17	11/15/18 13:21	1
Arsenic	ND		1.3		mg/Kg		11/15/18 09:17	11/15/18 13:21	1

Lab Sample ID: LCS 590-19911/1-A
Matrix: Solid
Analysis Batch: 19936

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19911

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50.0	51.7		mg/Kg		103	80 - 120
Arsenic	50.0	49.0		mg/Kg		98	80 - 120

Lab Sample ID: 590-9924-1 MS
Matrix: Solid
Analysis Batch: 19936

Client Sample ID: SP-3EX-1
Prep Type: Total/NA
Prep Batch: 19911

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	11		48.3	48.2		mg/Kg	☼	77	75 - 125
Arsenic	7.1		48.3	45.4		mg/Kg	☼	79	75 - 125

Lab Sample ID: 590-9924-1 MSD
Matrix: Solid
Analysis Batch: 19936

Client Sample ID: SP-3EX-1
Prep Type: Total/NA
Prep Batch: 19911

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	11		51.1	51.4		mg/Kg	☼	79	75 - 125	6	20
Arsenic	7.1		51.1	49.9		mg/Kg	☼	84	75 - 125	9	20

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

Lab Sample ID: 590-9924-1 DU
Matrix: Solid
Analysis Batch: 19936

Client Sample ID: SP-3EX-1
Prep Type: Total/NA
Prep Batch: 19911

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Lead	11			9.18		mg/Kg	☼			17	20
Arsenic	7.1			6.20		mg/Kg	☼			13	20

Lab Chronicle

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9924-1

Client Sample ID: SP-3EX-1
Date Collected: 11/14/18 11:52
Date Received: 11/14/18 12:54

Lab Sample ID: 590-9924-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19909	11/14/18 16:20	TLN	TAL SPK

Client Sample ID: SP-3EX-1
Date Collected: 11/14/18 11:52
Date Received: 11/14/18 12:54

Lab Sample ID: 590-9924-1
Matrix: Solid
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.48 g	2 mL	19913	11/15/18 09:41	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			19912	11/15/18 12:56	NMI	TAL SPK
Total/NA	Prep	3050B			1.22 g	50 mL	19911	11/15/18 09:17	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19936	11/15/18 13:25	JSP	TAL SPK

Client Sample ID: SP-3EX-2
Date Collected: 11/14/18 11:54
Date Received: 11/14/18 12:54

Lab Sample ID: 590-9924-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19909	11/14/18 16:20	TLN	TAL SPK

Client Sample ID: SP-3EX-2
Date Collected: 11/14/18 11:54
Date Received: 11/14/18 12:54

Lab Sample ID: 590-9924-2
Matrix: Solid
Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.69 g	2 mL	19913	11/15/18 09:41	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			19912	11/15/18 13:21	NMI	TAL SPK
Total/NA	Prep	3050B			1.07 g	50 mL	19911	11/15/18 09:17	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19936	11/15/18 13:47	JSP	TAL SPK

Client Sample ID: SP-3EX-3
Date Collected: 11/14/18 11:55
Date Received: 11/14/18 12:54

Lab Sample ID: 590-9924-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19909	11/14/18 16:20	TLN	TAL SPK

Client Sample ID: SP-3EX-3
Date Collected: 11/14/18 11:55
Date Received: 11/14/18 12:54

Lab Sample ID: 590-9924-3
Matrix: Solid
Percent Solids: 97.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.60 g	2 mL	19913	11/15/18 09:41	NMI	TAL SPK

Lab Chronicle

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9924-1

Client Sample ID: SP-3EX-3

Lab Sample ID: 590-9924-3
Date Collected: 11/14/18 11:55
Matrix: Solid
Date Received: 11/14/18 12:54
Percent Solids: 97.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D SIM		1			19912	11/15/18 13:45	NMI	TAL SPK
Total/NA	Prep	3050B			1.25 g	50 mL	19911	11/15/18 09:17	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19936	11/15/18 13:51	JSP	TAL SPK

Client Sample ID: SP-1EX-1

Lab Sample ID: 590-9924-4
Date Collected: 11/14/18 11:40
Matrix: Solid
Date Received: 11/14/18 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19909	11/14/18 16:20	TLN	TAL SPK

Client Sample ID: SP-1EX-1

Lab Sample ID: 590-9924-4
Date Collected: 11/14/18 11:40
Matrix: Solid
Date Received: 11/14/18 12:54
Percent Solids: 95.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.13 g	2 mL	19913	11/15/18 09:41	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			19912	11/15/18 14:10	NMI	TAL SPK
Total/NA	Prep	3050B			1.06 g	50 mL	19911	11/15/18 09:17	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19936	11/15/18 14:05	JSP	TAL SPK

Client Sample ID: SP-1EX-2

Lab Sample ID: 590-9924-5
Date Collected: 11/14/18 11:42
Matrix: Solid
Date Received: 11/14/18 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19909	11/14/18 16:20	TLN	TAL SPK

Client Sample ID: SP-1EX-2

Lab Sample ID: 590-9924-5
Date Collected: 11/14/18 11:42
Matrix: Solid
Date Received: 11/14/18 12:54
Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.06 g	2 mL	19913	11/15/18 09:41	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			19912	11/15/18 14:35	NMI	TAL SPK
Total/NA	Prep	3050B			1.37 g	50 mL	19911	11/15/18 09:17	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19936	11/15/18 14:08	JSP	TAL SPK

Lab Chronicle

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9924-1

Client Sample ID: SP-1EX-3
Date Collected: 11/14/18 11:43
Date Received: 11/14/18 12:54

Lab Sample ID: 590-9924-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19909	11/14/18 16:20	TLN	TAL SPK

Client Sample ID: SP-1EX-3
Date Collected: 11/14/18 11:43
Date Received: 11/14/18 12:54

Lab Sample ID: 590-9924-6
Matrix: Solid
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.75 g	2 mL	19913	11/15/18 09:41	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			19912	11/15/18 15:00	NMI	TAL SPK
Total/NA	Prep	3050B			1.19 g	50 mL	19911	11/15/18 09:17	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19936	11/15/18 14:12	JSP	TAL SPK

Client Sample ID: SP-1EX-4
Date Collected: 11/14/18 10:50
Date Received: 11/14/18 12:54

Lab Sample ID: 590-9924-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19909	11/14/18 16:20	TLN	TAL SPK

Client Sample ID: SP-1EX-4
Date Collected: 11/14/18 10:50
Date Received: 11/14/18 12:54

Lab Sample ID: 590-9924-7
Matrix: Solid
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.75 g	2 mL	19913	11/15/18 09:41	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			19912	11/15/18 15:24	NMI	TAL SPK
Total/NA	Prep	3050B			1.41 g	50 mL	19911	11/15/18 09:17	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19936	11/15/18 14:16	JSP	TAL SPK

Client Sample ID: SP-1EX-5
Date Collected: 11/14/18 10:46
Date Received: 11/14/18 12:54

Lab Sample ID: 590-9924-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19909	11/14/18 16:20	TLN	TAL SPK

Client Sample ID: SP-1EX-5
Date Collected: 11/14/18 10:46
Date Received: 11/14/18 12:54

Lab Sample ID: 590-9924-8
Matrix: Solid
Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.40 g	2 mL	19913	11/15/18 09:41	NMI	TAL SPK

Lab Chronicle

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9924-1

Client Sample ID: SP-1EX-5
Date Collected: 11/14/18 10:46
Date Received: 11/14/18 12:54

Lab Sample ID: 590-9924-8
Matrix: Solid
Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D SIM		1			19912	11/15/18 15:49	NMI	TAL SPK
Total/NA	Prep	3050B			1.32 g	50 mL	19911	11/15/18 09:17	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19936	11/15/18 14:20	JSP	TAL SPK

Client Sample ID: SP-1EX-6
Date Collected: 11/14/18 10:47
Date Received: 11/14/18 12:54

Lab Sample ID: 590-9924-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19909	11/14/18 16:20	TLN	TAL SPK

Client Sample ID: SP-1EX-6
Date Collected: 11/14/18 10:47
Date Received: 11/14/18 12:54

Lab Sample ID: 590-9924-9
Matrix: Solid
Percent Solids: 94.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.21 g	2 mL	19913	11/15/18 09:41	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			19912	11/15/18 16:14	NMI	TAL SPK
Total/NA	Prep	3050B			1.27 g	50 mL	19911	11/15/18 09:17	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19936	11/15/18 14:23	JSP	TAL SPK

Client Sample ID: SP-1EX-7
Date Collected: 11/14/18 10:49
Date Received: 11/14/18 12:54

Lab Sample ID: 590-9924-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			19909	11/14/18 16:20	TLN	TAL SPK

Client Sample ID: SP-1EX-7
Date Collected: 11/14/18 10:49
Date Received: 11/14/18 12:54

Lab Sample ID: 590-9924-10
Matrix: Solid
Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.24 g	2 mL	19913	11/15/18 09:41	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			19912	11/15/18 16:39	NMI	TAL SPK
Total/NA	Prep	3050B			1.34 g	50 mL	19911	11/15/18 09:17	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19936	11/15/18 14:27	JSP	TAL SPK

Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9924-1

Laboratory: TestAmerica Spokane

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Washington	State Program	10	C569	01-06-19

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9924-1

Method	Method Description	Protocol	Laboratory
8270D SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL SPK
6010C	Metals (ICP)	SW846	TAL SPK
Moisture	Percent Moisture	EPA	TAL SPK
3050B	Preparation, Metals	SW846	TAL SPK
3550C	Ultrasonic Extraction	SW846	TAL SPK

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 SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Sample Custody Record

Samples Shipped to: TEST AMERICA SPOKANE

HARTCROWSER

Hart Crowser, Inc.
3131 Elliott Avenue, Suite 600
Seattle, Washington 98121
Office: 206.324.9530 • Fax 206.328.5581

12/31/2018 (Rev. 1)

JOB 15014003 LAB NUMBER

PROJECT NAME CVSD INTERIM ACTION

HART CROWSER CONTACT J. HANEY

SAMPLED BY: JRH

590-9924 Chain of Custody

LAB NO.	SAMPLE ID	DESCRIPTION	DATE	TIME	MATRIX	REQUESTED ANALYSIS: PAHs 8270	REQUESTED ANALYSIS: Pb	NO. OF CONTAINERS
	SP-3EX-1		11/14/18	11:52	Soil	X	X	1
	SP-3EX-2			11:54		X	X	1
	SP-3EX-3			11:55		X	X	1
	SP-1EX-1			11:40		X	X	1
	SP-1EX-2			11:42		X	X	1
	SP-1EX-3			11:43		X	X	1
	SP-1EX-4			1050		X	X	1
	SP-1EX-5			10:46		X	X	1
	SP-1EX-6			10:47		X	X	1
	SP-1EX-7			10:49		X	X	1

RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE JOHN HANEY	11/14/18	SIGNATURE Sheila Kraetz	11/14/18
PRINT NAME HART CROWSER	TIME 12:54	PRINT NAME TA SPO	TIME 1254
COMPANY		COMPANY	
RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE	TIME	SIGNATURE	TIME
PRINT NAME		PRINT NAME	
COMPANY		COMPANY	

SPECIAL SHIPMENT HANDLING OR STORAGE REQUIREMENTS:
4.4 °C IR COOL

TOTAL NUMBER OF CONTAINERS

SAMPLE RECEIPT INFORMATION
CUSTODY SEALS: ☐YES ☐NO ☐N/A
GOOD CONDITION ☐YES ☐NO
TEMPERATURE
SHIPMENT METHOD: ☐HAND ☐COURIER ☐OVERNIGHT

COOLER NO.: STORAGE LOCATION:

See Lab Work Order No. for Other Contract Requirements

TURNAROUND TIME:
☐ 24 HOURS ☐ 1 WEEK
☒ 48 HOURS ☐ STANDARD
☐ 72 HOURS OTHER

White to Lab Yellow to Project Manager Pink to Sample Custodian

Login Sample Receipt Checklist

Client: Hart Crowser, Inc.

Job Number: 590-9924-1

Login Number: 9924
List Number: 1
Creator: Kratz, Sheila J

List Source: TestAmerica Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
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.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
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 (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	Sample is solid
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

TestAmerica Job ID: 590-9977-1
Client Project/Site: CVSD/150014003

For:
Hart Crowser, Inc.
505 West Riverside Avenue, Suite 205
Spokane, Washington 99201

Attn: John Haney

Authorized for release by:
11/29/2018 3:50:27 PM

Randee Arrington, Project Manager II
(509)924-9200
randee.arrington@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

Case Narrative

Client: Hart Crowser, Inc.
Project/Site: CVSD/150014003

TestAmerica Job ID: 590-9977-1

Job ID: 590-9977-1

Laboratory: TestAmerica Spokane

Narrative

Receipt
The samples were received on 11/26/2018 12:12 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 10.0º C.

Receipt Exceptions
The following samples were received at the laboratory outside the required temperature criteria: SP-2EX-1 (590-9977-1), SP-2EX-2 (590-9977-2) and SP-2EX-3 (590-9977-3). The samples are considered acceptable since they were collected and submitted to the laboratory on the same day and there is evidence that the chilling process has begun.

GC/MS Semi VOA
Method 8270D SIM: The laboratory control sample (LCS) for preparation batch 590-20027 and analytical batch 590-20040 recovered outside control limits for Anthracene. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

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

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

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

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

Sample Summary

Client: Hart Crowser, Inc.
Project/Site: CVSD/150014003

TestAmerica Job ID: 590-9977-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-9977-1	SP-2EX-1	Solid	11/26/18 11:40	11/26/18 13:04
590-9977-2	SP-2EX-2	Solid	11/26/18 11:45	11/26/18 13:04
590-9977-3	SP-2EX-3	Solid	11/26/18 11:47	11/26/18 13:04

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance 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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Client Sample ID: SP-2EX-1

Date Collected: 11/26/18 11:40
Date Received: 11/26/18 13:04

Lab Sample ID: 590-9977-1

Matrix: Solid
Percent Solids: 95.2

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg	☼	11/27/18 13:38	11/29/18 00:51	1
2-Methylnaphthalene	ND		10		ug/Kg	☼	11/27/18 13:38	11/29/18 00:51	1
1-Methylnaphthalene	ND		10		ug/Kg	☼	11/27/18 13:38	11/29/18 00:51	1
Acenaphthylene	ND		10		ug/Kg	☼	11/27/18 13:38	11/29/18 00:51	1
Acenaphthene	ND		10		ug/Kg	☼	11/27/18 13:38	11/29/18 00:51	1
Fluorene	ND		10		ug/Kg	☼	11/27/18 13:38	11/29/18 00:51	1
Phenanthrene	ND		10		ug/Kg	☼	11/27/18 13:38	11/29/18 00:51	1
Anthracene	ND	*	10		ug/Kg	☼	11/27/18 13:38	11/29/18 00:51	1
Fluoranthene	ND		10		ug/Kg	☼	11/27/18 13:38	11/29/18 00:51	1
Pyrene	ND		10		ug/Kg	☼	11/27/18 13:38	11/29/18 00:51	1
Benzo[a]anthracene	ND		10		ug/Kg	☼	11/27/18 13:38	11/29/18 00:51	1
Chrysene	ND		10		ug/Kg	☼	11/27/18 13:38	11/29/18 00:51	1
Benzo[b]fluoranthene	ND		10		ug/Kg	☼	11/27/18 13:38	11/29/18 00:51	1
Benzo[k]fluoranthene	ND		10		ug/Kg	☼	11/27/18 13:38	11/29/18 00:51	1
Benzo[a]pyrene	ND		10		ug/Kg	☼	11/27/18 13:38	11/29/18 00:51	1
Indeno[1,2,3-cd]pyrene	ND		10		ug/Kg	☼	11/27/18 13:38	11/29/18 00:51	1
Dibenz(a,h)anthracene	ND		10		ug/Kg	☼	11/27/18 13:38	11/29/18 00:51	1
Benzo[g,h,i]perylene	ND		10		ug/Kg	☼	11/27/18 13:38	11/29/18 00:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*70*		*23 - 120*	*11/27/18 13:38*	*11/29/18 00:51*	*1*
2-Fluorobiphenyl (Surr)	*76*		*38 - 123*	*11/27/18 13:38*	*11/29/18 00:51*	*1*
p-Terphenyl-d14	*93*		*68 - 136*	*11/27/18 13:38*	*11/29/18 00:51*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	12		5.8		mg/Kg	☼	11/28/18 14:09	11/29/18 11:50	2

Client Sample ID: SP-2EX-2

Date Collected: 11/26/18 11:45
Date Received: 11/26/18 13:04

Lab Sample ID: 590-9977-2

Matrix: Solid
Percent Solids: 90.9

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg	☼	11/27/18 13:38	11/29/18 01:16	1
2-Methylnaphthalene	ND		10		ug/Kg	☼	11/27/18 13:38	11/29/18 01:16	1
1-Methylnaphthalene	ND		10		ug/Kg	☼	11/27/18 13:38	11/29/18 01:16	1
Acenaphthylene	ND		10		ug/Kg	☼	11/27/18 13:38	11/29/18 01:16	1
Acenaphthene	ND		10		ug/Kg	☼	11/27/18 13:38	11/29/18 01:16	1
Fluorene	ND		10		ug/Kg	☼	11/27/18 13:38	11/29/18 01:16	1
Phenanthrene	ND		10		ug/Kg	☼	11/27/18 13:38	11/29/18 01:16	1
Anthracene	ND	*	10		ug/Kg	☼	11/27/18 13:38	11/29/18 01:16	1
Fluoranthene	ND		10		ug/Kg	☼	11/27/18 13:38	11/29/18 01:16	1
Pyrene	ND		10		ug/Kg	☼	11/27/18 13:38	11/29/18 01:16	1
Benzo[a]anthracene	ND		10		ug/Kg	☼	11/27/18 13:38	11/29/18 01:16	1
Chrysene	ND		10		ug/Kg	☼	11/27/18 13:38	11/29/18 01:16	1
Benzo[b]fluoranthene	ND		10		ug/Kg	☼	11/27/18 13:38	11/29/18 01:16	1
Benzo[k]fluoranthene	ND		10		ug/Kg	☼	11/27/18 13:38	11/29/18 01:16	1
Benzo[a]pyrene	ND		10		ug/Kg	☼	11/27/18 13:38	11/29/18 01:16	1
Indeno[1,2,3-cd]pyrene	ND		10		ug/Kg	☼	11/27/18 13:38	11/29/18 01:16	1

Client Sample ID: SP-2EX-2

Date Collected: 11/26/18 11:45
Date Received: 11/26/18 13:04

Lab Sample ID: 590-9977-2

Matrix: Solid
Percent Solids: 90.9

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		10		ug/Kg	☼	11/27/18 13:38	11/29/18 01:16	1
Benzo[g,h,i]perylene	ND		10		ug/Kg	☼	11/27/18 13:38	11/29/18 01:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*68*		*23 - 120*	*11/27/18 13:38*	*11/29/18 01:16*	*1*
2-Fluorobiphenyl (Surr)	*69*		*38 - 123*	*11/27/18 13:38*	*11/29/18 01:16*	*1*
p-Terphenyl-d14	*92*		*68 - 136*	*11/27/18 13:38*	*11/29/18 01:16*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**10**		4.6		mg/Kg	☼	11/28/18 14:09	11/29/18 11:11	2

Client Sample ID: SP-2EX-3

Date Collected: 11/26/18 11:47
Date Received: 11/26/18 13:04

Lab Sample ID: 590-9977-3

Matrix: Solid
Percent Solids: 95.8

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		9.9		ug/Kg	☼	11/27/18 13:38	11/29/18 01:41	1
2-Methylnaphthalene	ND		9.9		ug/Kg	☼	11/27/18 13:38	11/29/18 01:41	1
1-Methylnaphthalene	ND		9.9		ug/Kg	☼	11/27/18 13:38	11/29/18 01:41	1
Acenaphthylene	ND		9.9		ug/Kg	☼	11/27/18 13:38	11/29/18 01:41	1
Acenaphthene	ND		9.9		ug/Kg	☼	11/27/18 13:38	11/29/18 01:41	1
Fluorene	ND		9.9		ug/Kg	☼	11/27/18 13:38	11/29/18 01:41	1
Phenanthrene	**11**		9.9		ug/Kg	☼	11/27/18 13:38	11/29/18 01:41	1
Anthracene	ND	*	9.9		ug/Kg	☼	11/27/18 13:38	11/29/18 01:41	1
Fluoranthene	**27**		9.9		ug/Kg	☼	11/27/18 13:38	11/29/18 01:41	1
Pyrene	**35**		9.9		ug/Kg	☼	11/27/18 13:38	11/29/18 01:41	1
Benzo[a]anthracene	**22**		9.9		ug/Kg	☼	11/27/18 13:38	11/29/18 01:41	1
Chrysene	**30**		9.9		ug/Kg	☼	11/27/18 13:38	11/29/18 01:41	1
Benzo[b]fluoranthene	**37**		9.9		ug/Kg	☼	11/27/18 13:38	11/29/18 01:41	1
Benzo[k]fluoranthene	**16**		9.9		ug/Kg	☼	11/27/18 13:38	11/29/18 01:41	1
Benzo[a]pyrene	**32**		9.9		ug/Kg	☼	11/27/18 13:38	11/29/18 01:41	1
Indeno[1,2,3-cd]pyrene	**19**		9.9		ug/Kg	☼	11/27/18 13:38	11/29/18 01:41	1
Dibenz(a,h)anthracene	ND		9.9		ug/Kg	☼	11/27/18 13:38	11/29/18 01:41	1
Benzo[g,h,i]perylene	**23**		9.9		ug/Kg	☼	11/27/18 13:38	11/29/18 01:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*57*		*23 - 120*	*11/27/18 13:38*	*11/29/18 01:41*	*1*
2-Fluorobiphenyl (Surr)	*63*		*38 - 123*	*11/27/18 13:38*	*11/29/18 01:41*	*1*
p-Terphenyl-d14	*82*		*68 - 136*	*11/27/18 13:38*	*11/29/18 01:41*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**12**		4.3		mg/Kg	☼	11/28/18 14:09	11/29/18 11:15	2

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 590-20027/1-A
Matrix: Solid
Analysis Batch: 20040

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20027

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg		11/27/18 13:38	11/28/18 19:28	1
2-Methylnaphthalene	ND		10		ug/Kg		11/27/18 13:38	11/28/18 19:28	1
1-Methylnaphthalene	ND		10		ug/Kg		11/27/18 13:38	11/28/18 19:28	1
Acenaphthylene	ND		10		ug/Kg		11/27/18 13:38	11/28/18 19:28	1
Acenaphthene	ND		10		ug/Kg		11/27/18 13:38	11/28/18 19:28	1
Fluorene	ND		10		ug/Kg		11/27/18 13:38	11/28/18 19:28	1
Phenanthrene	ND		10		ug/Kg		11/27/18 13:38	11/28/18 19:28	1
Anthracene	ND		10		ug/Kg		11/27/18 13:38	11/28/18 19:28	1
Fluoranthene	ND		10		ug/Kg		11/27/18 13:38	11/28/18 19:28	1
Pyrene	ND		10		ug/Kg		11/27/18 13:38	11/28/18 19:28	1
Benzo[a]anthracene	ND		10		ug/Kg		11/27/18 13:38	11/28/18 19:28	1
Chrysene	ND		10		ug/Kg		11/27/18 13:38	11/28/18 19:28	1
Benzo[b]fluoranthene	ND		10		ug/Kg		11/27/18 13:38	11/28/18 19:28	1
Benzo[k]fluoranthene	ND		10		ug/Kg		11/27/18 13:38	11/28/18 19:28	1
Benzo[a]pyrene	ND		10		ug/Kg		11/27/18 13:38	11/28/18 19:28	1
Indeno[1,2,3-cd]pyrene	ND		10		ug/Kg		11/27/18 13:38	11/28/18 19:28	1
Dibenz(a,h)anthracene	ND		10		ug/Kg		11/27/18 13:38	11/28/18 19:28	1
Benzo[g,h,i]perylene	ND		10		ug/Kg		11/27/18 13:38	11/28/18 19:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*61*		*23 - 120*	*11/27/18 13:38*	*11/28/18 19:28*	*1*
2-Fluorobiphenyl (Surr)	*65*		*38 - 123*	*11/27/18 13:38*	*11/28/18 19:28*	*1*
p-Terphenyl-d14	*102*		*68 - 136*	*11/27/18 13:38*	*11/28/18 19:28*	*1*

Lab Sample ID: LCS 590-20027/2-A
Matrix: Solid
Analysis Batch: 20040

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20027

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	267	229		ug/Kg		86	41 - 121
2-Methylnaphthalene	267	240		ug/Kg		90	39 - 132
1-Methylnaphthalene	267	247		ug/Kg		92	46 - 131
Acenaphthylene	267	222		ug/Kg		83	56 - 123
Acenaphthene	267	213		ug/Kg		80	43 - 140
Fluorene	267	220		ug/Kg		82	54 - 131
Phenanthrene	267	267		ug/Kg		100	55 - 141
Anthracene	267	352	*	ug/Kg		132	60 - 129
Fluoranthene	267	284		ug/Kg		106	63 - 141
Pyrene	267	279		ug/Kg		104	62 - 139
Benzo[a]anthracene	267	267		ug/Kg		100	61 - 136
Chrysene	267	268		ug/Kg		100	57 - 144
Benzo[b]fluoranthene	267	271		ug/Kg		101	66 - 141
Benzo[k]fluoranthene	267	285		ug/Kg		107	63 - 150
Benzo[a]pyrene	267	271		ug/Kg		102	60 - 133
Indeno[1,2,3-cd]pyrene	267	286		ug/Kg		107	55 - 142
Dibenz(a,h)anthracene	267	276		ug/Kg		103	60 - 150
Benzo[g,h,i]perylene	267	288		ug/Kg		108	58 - 147

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 590-20027/2-A
Matrix: Solid
Analysis Batch: 20040

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20027

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5	*87*		*23 - 120*
2-Fluorobiphenyl (Surr)	*87*		*38 - 123*
p-Terphenyl-d14	*103*		*68 - 136*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 590-20056/2-A
Matrix: Solid
Analysis Batch: 20066

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20056

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		3.0		mg/Kg		11/28/18 14:09	11/29/18 11:37	1

Lab Sample ID: LCS 590-20056/1-A
Matrix: Solid
Analysis Batch: 20066

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20056

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50.0	49.5		mg/Kg		99	80 - 120

Lab Sample ID: 590-9977-1 MS
Matrix: Solid
Analysis Batch: 20066

Client Sample ID: SP-2EX-1
Prep Type: Total/NA
Prep Batch: 20056

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	12		53.6	57.8		mg/Kg	☼	86	75 - 125

Lab Sample ID: 590-9977-1 MSD
Matrix: Solid
Analysis Batch: 20066

Client Sample ID: SP-2EX-1
Prep Type: Total/NA
Prep Batch: 20056

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	12		53.6	57.4		mg/Kg	☼	85	75 - 125	1	20

Lab Sample ID: 590-9977-1 DU
Matrix: Solid
Analysis Batch: 20066

Client Sample ID: SP-2EX-1
Prep Type: Total/NA
Prep Batch: 20056

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	12		11.2		mg/Kg	☼	7	20

Lab Chronicle

Client: Hart Crowser, Inc.
Project/Site: CVSD/150014003

TestAmerica Job ID: 590-9977-1

Client Sample ID: SP-2EX-1
Date Collected: 11/26/18 11:40
Date Received: 11/26/18 13:04

Lab Sample ID: 590-9977-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			20015	11/26/18 15:58	MRS	TAL SPK

Client Sample ID: SP-2EX-1
Date Collected: 11/26/18 11:40
Date Received: 11/26/18 13:04

Lab Sample ID: 590-9977-1
Matrix: Solid
Percent Solids: 95.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.01 g	2 mL	20027	11/27/18 13:38	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			20040	11/29/18 00:51	NMI	TAL SPK
Total/NA	Prep	3050B			1.08 g	50 mL	20056	11/28/18 14:09	JSP	TAL SPK
Total/NA	Analysis	6010C		2			20066	11/29/18 11:50	JSP	TAL SPK

Client Sample ID: SP-2EX-2
Date Collected: 11/26/18 11:45
Date Received: 11/26/18 13:04

Lab Sample ID: 590-9977-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			20015	11/26/18 15:58	MRS	TAL SPK

Client Sample ID: SP-2EX-2
Date Collected: 11/26/18 11:45
Date Received: 11/26/18 13:04

Lab Sample ID: 590-9977-2
Matrix: Solid
Percent Solids: 90.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.77 g	2 mL	20027	11/27/18 13:38	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			20040	11/29/18 01:16	NMI	TAL SPK
Total/NA	Prep	3050B			1.44 g	50 mL	20056	11/28/18 14:09	JSP	TAL SPK
Total/NA	Analysis	6010C		2			20066	11/29/18 11:11	JSP	TAL SPK

Client Sample ID: SP-2EX-3
Date Collected: 11/26/18 11:47
Date Received: 11/26/18 13:04

Lab Sample ID: 590-9977-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			20015	11/26/18 15:58	MRS	TAL SPK

Client Sample ID: SP-2EX-3
Date Collected: 11/26/18 11:47
Date Received: 11/26/18 13:04

Lab Sample ID: 590-9977-3
Matrix: Solid
Percent Solids: 95.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.82 g	2 mL	20027	11/27/18 13:38	NMI	TAL SPK

Lab Chronicle

Client: Hart Crowser, Inc.
Project/Site: CVSD/150014003

TestAmerica Job ID: 590-9977-1

Client Sample ID: SP-2EX-3
Date Collected: 11/26/18 11:47
Date Received: 11/26/18 13:04

Lab Sample ID: 590-9977-3
Matrix: Solid
Percent Solids: 95.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D SIM		1			20040	11/29/18 01:41	NMI	TAL SPK
Total/NA	Prep	3050B			1.47 g	50 mL	20056	11/28/18 14:09	JSP	TAL SPK
Total/NA	Analysis	6010C		2			20066	11/29/18 11:15	JSP	TAL SPK

Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Hart Crowser, Inc.
Project/Site: CVSD/150014003

TestAmerica Job ID: 590-9977-1

Laboratory: TestAmerica Spokane

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Washington	State Program	10	C569	01-06-19

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Hart Crowser, Inc.
Project/Site: CVSD/150014003

TestAmerica Job ID: 590-9977-1

Method	Method Description	Protocol	Laboratory
8270D SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL SPK
6010C	Metals (ICP)	SW846	TAL SPK
Moisture	Percent Moisture	EPA	TAL SPK
3050B	Preparation, Metals	SW846	TAL SPK
3550C	Ultrasonic Extraction	SW846	TAL SPK

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 SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

11922 E. First Ave., Spokane WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave., Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #:

CLIENT: HART CROWSER

REPORT TO: J. HANEY
ADDRESS:

PHONE: 509 960-7422 FAX:

INVOICE TO: HART CROWSER

P.O. NUMBER:

PROJECT NAME: CVSD

PROJECT NUMBER: 1500/4003

SAMPLED BY: JRH

TURNAROUND REQUEST
in Business Days *

Organic & Inorganic Analyses: 10 STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1

Petroleum Hydrocarbon Analyses: 5 STD. | 4 | 3 | 2 | 1 | <1

OTHER Specify:

* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE	REQUESTED ANALYSES: TOTAL LEAD	REQUESTED ANALYSES: PAHs	MATRIX (W, S, O)	# OF CONT.	LOCATION/ COMMENTS	TA WO ID
1	SP-2EX-1	11/26/18 / 11:40		X	X	S	1		
2	SP-2EX-2	11:45		X	X		1		
3	SP-2EX-3	11:47		X	X		1		
4									
5									
6									
7									
8									
9									
10									

590-9977 Chain of Custody

RELEASED BY:		DATE: 11/26/18	RECEIVED BY:		DATE: 11/26/18
PRINT NAME: JOHN HANEY	FIRM: HART CROWSER	TIME: 1242	PRINT NAME: Trinitie Northrup	FIRM: TA SPO	TIME: 1242
RELEASED BY:		DATE:	RECEIVED BY:		DATE:
PRINT NAME:	FIRM:	TIME:	PRINT NAME:	FIRM:	TIME:

ADDITIONAL REMARKS:

TEMP: 10.0°C IR004

PAGE OF

TAL-1000 (0714)

Login Sample Receipt Checklist

Client: Hart Crowser, Inc.

Job Number: 590-9977-1

Login Number: 9977
List Number: 1
Creator: Northrup, Trinitie L

List Source: TestAmerica Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
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.	True	
Cooler Temperature is acceptable.	True	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	
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 (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

TestAmerica Job ID: 590-9464-4
Client Project/Site: CVSD/15014001

For:
Hart Crowser, Inc.
505 West Riverside Avenue, Suite 205
Spokane, Washington 99201

Attn: John Haney

Authorized for release by:
10/17/2018 3:35:20 PM

Randee Arrington, Project Manager II
(509)924-9200
randee.arrington@testamericainc.com

Table of Contents

Case Narrative

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9464-4

Job ID: 590-9464-4

Laboratory: TestAmerica Spokane

Narrative

Receipt
The samples were received on 9/26/2018 10:18 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6º C.

Receipt Exceptions
The following samples were activated for 6010C Metals, 7471B Mercury and NWTPH-Dx analysis by the client on 10/08/18: SP-1 (590-9464-49), SP-2 (590-9464-50) and SP-3 (590-9464-51). This analysis was not originally requested on the chain-of-custody (COC).

GC Semi VOA
Method NWTPH-Dx: Detected hydrocarbons appear to be due to creosote or similar product in the following samples: SP-1 (590-9464-49), SP-2 (590-9464-50), SP-3 (590-9464-51), (590-9464-A-37-E) and (590-9464-A-37-D DU).

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

Metals
Method 6010C: The low level continuing calibration verification (CCVL) associated with batch 590-19351 recovered above the upper control limit for Selenium. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

General Chemistry
Method 1311: Insufficient sample was provided to perform the leaching procedure with the required 100g for the following sample: SP-3 (590-9464-51). The volume of leaching fluid was adjusted proportionally to maintain a 20:1 ratio of leaching fluid to weight of sample. Reporting limits (RLs) are not affected.

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

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

Sample Summary

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9464-4

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-9464-49	SP-1	Solid	09/25/18 15:20	09/26/18 10:18
590-9464-50	SP-2	Solid	09/25/18 15:30	09/26/18 10:18
590-9464-51	SP-3	Solid	09/25/18 15:47	09/26/18 10:18

Definitions/Glossary

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9464-4

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance 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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Client Sample ID: SP-1

Date Collected: 09/25/18 15:20
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-49

Matrix: Solid
Percent Solids: 96.6

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	250		50		mg/Kg	☼	10/09/18 13:42	10/09/18 22:11	5
Residual Range Organics (RRO) (C25-C36)	1200		120		mg/Kg	☼	10/09/18 13:42	10/09/18 22:11	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*126*		*50 - 150*	*10/09/18 13:42*	*10/09/18 22:11*	*5*
n-Triacontane-d62	*112*		*50 - 150*	*10/09/18 13:42*	*10/09/18 22:11*	*5*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	170		10		mg/Kg	☼	10/09/18 09:16	10/11/18 10:30	10
Cadmium	ND		8.3		mg/Kg	☼	10/09/18 09:16	10/11/18 10:30	10
Chromium	12		10		mg/Kg	☼	10/09/18 09:16	10/11/18 10:30	10
Selenium	ND		42		mg/Kg	☼	10/09/18 09:16	10/11/18 10:30	10
Silver	ND		10		mg/Kg	☼	10/09/18 09:16	10/11/18 10:30	10

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	43		0.060		mg/L		10/17/18 09:09	10/17/18 14:13	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	40		32		ug/Kg	☼	10/11/18 09:05	10/11/18 15:09	1

Client Sample ID: SP-2

Date Collected: 09/25/18 15:30
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-50

Matrix: Solid
Percent Solids: 95.4

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	740		51		mg/Kg	☼	10/09/18 13:42	10/09/18 22:31	5
Residual Range Organics (RRO) (C25-C36)	2900		130		mg/Kg	☼	10/09/18 13:42	10/09/18 22:31	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*249*	*X*	*50 - 150*	*10/09/18 13:42*	*10/09/18 22:31*	*5*
n-Triacontane-d62	*122*		*50 - 150*	*10/09/18 13:42*	*10/09/18 22:31*	*5*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	140		0.90		mg/Kg	☼	10/09/18 09:16	10/10/18 14:40	1
Cadmium	ND		0.72		mg/Kg	☼	10/09/18 09:16	10/10/18 14:40	1
Chromium	11		0.90		mg/Kg	☼	10/09/18 09:16	10/10/18 14:40	1
Selenium	ND	^	3.6		mg/Kg	☼	10/09/18 09:16	10/10/18 14:40	1
Silver	ND		0.90		mg/Kg	☼	10/09/18 09:16	10/10/18 14:40	1

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.3		0.060		mg/L		10/17/18 09:09	10/17/18 14:26	1

Client Sample Results

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9464-4

Client Sample ID: SP-2

Lab Sample ID: 590-9464-50
Date Collected: 09/25/18 15:30
Matrix: Solid
Date Received: 09/26/18 10:18
Percent Solids: 95.4

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		40		ug/Kg	☼	10/11/18 09:05	10/11/18 15:11	1

Client Sample ID: SP-3

Lab Sample ID: 590-9464-51
Date Collected: 09/25/18 15:47
Matrix: Solid
Date Received: 09/26/18 10:18
Percent Solids: 95.6

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**170**		20		mg/Kg	☼	10/09/18 13:42	10/09/18 22:51	2
Residual Range Organics (RRO) (C25-C36)	**730**		49		mg/Kg	☼	10/09/18 13:42	10/09/18 22:51	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*112*		*50 - 150*	*10/09/18 13:42*	*10/09/18 22:51*	*2*
n-Triacontane-d62	*52*		*50 - 150*	*10/09/18 13:42*	*10/09/18 22:51*	*2*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**160**		1.0		mg/Kg	☼	10/09/18 09:16	10/10/18 14:44	1
Cadmium	ND		0.82		mg/Kg	☼	10/09/18 09:16	10/10/18 14:44	1
Chromium	**11**		1.0		mg/Kg	☼	10/09/18 09:16	10/10/18 14:44	1
Selenium	ND	^	4.1		mg/Kg	☼	10/09/18 09:16	10/10/18 14:44	1
Silver	ND		1.0		mg/Kg	☼	10/09/18 09:16	10/10/18 14:44	1

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.54**		0.060		mg/L		10/17/18 09:09	10/17/18 14:30	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		46		ug/Kg	☼	10/11/18 09:05	10/11/18 15:13	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 590-19310/1-A
Matrix: Solid
Analysis Batch: 19313

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19310

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg		10/09/18 13:42	10/09/18 16:18	1
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg		10/09/18 13:42	10/09/18 16:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*90*		*50 - 150*	*10/09/18 13:42*	*10/09/18 16:18*	*1*
n-Triacontane-d62	*78*		*50 - 150*	*10/09/18 13:42*	*10/09/18 16:18*	*1*

Lab Sample ID: LCS 590-19310/2-A
Matrix: Solid
Analysis Batch: 19313

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19310

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics (DRO) (C10-C25)	66.7	56.4		mg/Kg		85	50 - 150
Residual Range Organics (RRO) (C25-C36)	66.7	64.1		mg/Kg		96	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*95*		*50 - 150*
n-Triacontane-d62	*89*		*50 - 150*

Lab Sample ID: LCSD 590-19310/3-A
Matrix: Solid
Analysis Batch: 19313

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 19310

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)	66.7	51.3		mg/Kg		77	50 - 150	9	25
Residual Range Organics (RRO) (C25-C36)	66.7	57.7		mg/Kg		87	50 - 150	10	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*87*		*50 - 150*
n-Triacontane-d62	*79*		*50 - 150*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 590-19303/2-A
Matrix: Solid
Analysis Batch: 19336

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19303

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		1.3		mg/Kg		10/09/18 09:16	10/10/18 11:00	1
Cadmium	ND		1.0		mg/Kg		10/09/18 09:16	10/10/18 11:00	1
Chromium	ND		1.3		mg/Kg		10/09/18 09:16	10/10/18 11:00	1
Selenium	ND		5.0		mg/Kg		10/09/18 09:16	10/10/18 11:00	1

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

Lab Sample ID: MB 590-19303/2-A
Matrix: Solid
Analysis Batch: 19336

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19303

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.3		mg/Kg		10/09/18 09:16	10/10/18 11:00	1

Lab Sample ID: LCS 590-19303/1-A
Matrix: Solid
Analysis Batch: 19336

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19303

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	50.0	49.3		mg/Kg		99	80 - 120
Cadmium	50.0	48.8		mg/Kg		98	80 - 120
Chromium	50.0	47.9		mg/Kg		96	80 - 120
Selenium	50.0	46.3		mg/Kg		93	80 - 120
Silver	50.0	47.5		mg/Kg		95	80 - 120

Lab Sample ID: LCS 590-19440/1-A
Matrix: Solid
Analysis Batch: 19454

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19440

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	1.00	1.02		mg/L		102	80 - 120

Lab Sample ID: LB 590-19421/1-B
Matrix: Solid
Analysis Batch: 19454

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 19440

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.060		mg/L		10/17/18 09:09	10/17/18 13:43	1

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 590-19350/9-A
Matrix: Solid
Analysis Batch: 19374

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19350

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		50		ug/Kg		10/11/18 09:05	10/11/18 14:57	1

Lab Sample ID: LCS 590-19350/8-A
Matrix: Solid
Analysis Batch: 19374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19350

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hg	200	203		ug/Kg		102	80 - 120

Lab Chronicle

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9464-4

Client Sample ID: SP-1
Date Collected: 09/25/18 15:20
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-49
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			100.26 g	2001.21 mL	19421	10/16/18 09:10	JSP	TAL SPK
TCLP	Prep	3010A			50 mL	50 mL	19440	10/17/18 09:09	JSP	TAL SPK
TCLP	Analysis	6010C		1			19454	10/17/18 14:13	JSP	TAL SPK

Client Sample ID: SP-1
Date Collected: 09/25/18 15:20
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-49
Matrix: Solid
Percent Solids: 96.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.58 g	5 mL	19310	10/09/18 13:42	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		5			19313	10/09/18 22:11	NMI	TAL SPK
Total/NA	Prep	3050B			1.24 g	50 mL	19303	10/09/18 09:16	JSP	TAL SPK
Total/NA	Analysis	6010C		10			19358	10/11/18 10:30	JSP	TAL SPK
Total/NA	Prep	7471B			0.81 g	50 mL	19350	10/11/18 09:05	JSP	TAL SPK
Total/NA	Analysis	7471B		1			19374	10/11/18 15:09	JSP	TAL SPK

Client Sample ID: SP-2
Date Collected: 09/25/18 15:30
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-50
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			100.27 g	2000.66 mL	19421	10/16/18 09:10	JSP	TAL SPK
TCLP	Prep	3010A			50 mL	50 mL	19440	10/17/18 09:09	JSP	TAL SPK
TCLP	Analysis	6010C		1			19454	10/17/18 14:26	JSP	TAL SPK

Client Sample ID: SP-2
Date Collected: 09/25/18 15:30
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-50
Matrix: Solid
Percent Solids: 95.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.41 g	5 mL	19310	10/09/18 13:42	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		5			19313	10/09/18 22:31	NMI	TAL SPK
Total/NA	Prep	3050B			1.46 g	50 mL	19303	10/09/18 09:16	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19351	10/10/18 14:40	JSP	TAL SPK
Total/NA	Prep	7471B			0.66 g	50 mL	19350	10/11/18 09:05	JSP	TAL SPK
Total/NA	Analysis	7471B		1			19374	10/11/18 15:11	JSP	TAL SPK

Client Sample ID: SP-3
Date Collected: 09/25/18 15:47
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-51
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			70.67 g	1418.08 mL	19421	10/16/18 09:10	JSP	TAL SPK

Lab Chronicle

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9464-4

Client Sample ID: SP-3
Date Collected: 09/25/18 15:47
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-51
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Prep	3010A			50 mL	50 mL	19440	10/17/18 09:09	JSP	TAL SPK
TCLP	Analysis	6010C		1			19454	10/17/18 14:30	JSP	TAL SPK

Client Sample ID: SP-3
Date Collected: 09/25/18 15:47
Date Received: 09/26/18 10:18

Lab Sample ID: 590-9464-51
Matrix: Solid
Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.94 g	5 mL	19310	10/09/18 13:42	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		2			19313	10/09/18 22:51	NMI	TAL SPK
Total/NA	Prep	3050B			1.28 g	50 mL	19303	10/09/18 09:16	JSP	TAL SPK
Total/NA	Analysis	6010C		1			19351	10/10/18 14:44	JSP	TAL SPK
Total/NA	Prep	7471B			0.57 g	50 mL	19350	10/11/18 09:05	JSP	TAL SPK
Total/NA	Analysis	7471B		1			19374	10/11/18 15:13	JSP	TAL SPK

Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9464-4

Laboratory: TestAmerica Spokane

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Washington	State Program	10	C569	01-06-19

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte

Method Summary

Client: Hart Crowser, Inc.
Project/Site: CVSD/15014001

TestAmerica Job ID: 590-9464-4

Method	Method Description	Protocol	Laboratory
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	TAL SPK
6010C	Metals (ICP)	SW846	TAL SPK
7471B	Mercury (CVAA)	SW846	TAL SPK
1311	TCLP Extraction	SW846	TAL SPK
3010A	Preparation, Total Metals	SW846	TAL SPK
3050B	Preparation, Metals	SW846	TAL SPK
3550C	Ultrasonic Extraction	SW846	TAL SPK
7471B	Preparation, Mercury	SW846	TAL SPK

Protocol References:

NWTPH = Northwest Total Petroleum Hydrocarbon

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

Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Sample Custody Record

Samples Shipped to: TEST AMERICA

PAGE 1 OF 5

HARTCROWSER

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Seattle, Washington 98121
Office: 206.324.9530 • Fax 206.328.5581

10/17/2018

JOB 15014001 LAB NUMBER

PROJECT NAME CVSD

HART CROWSER CONTACT J. HANEY

SAMPLED BY: WM/KH

590-9464 Chain of Custody

LAB NO.	SAMPLE ID	DESCRIPTION	DATE	TIME	MATRIX	REQUESTED ANALYSIS: LEAD	AS	PAH's	TPH-HCID	NO. OF CONTAINERS	
	TP-24-6		9/25/18	0915	SOIL	X	X	X		1	Pb ONLY
	TP-24-12			0916							HOLD
	TP-25-6			0925		X	X	X			Pb ONLY
	TP-25-12			0926							HOLD
	TP-27-6			0940		X	X	X			Pb ONLY
	TP-27-12			0941							HOLD
	TP-26-6			0955		X	X	X			Pb ONLY
	TP-26-12			0956							HOLD
	TP-30-6			1025		X	X	X			
	TP-30-12			1026							HOLD
	TP-28-6			1030		X	X	X			
	TP-28-12			1031							HOLD

RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE	9/26/18	SIGNATURE	9/26/18
PRINT NAME WARD MCDONALD	TIME	PRINT NAME Sheila Kratz	TIME
COMPANY HART CROWSER	1015	COMPANY TA Spok	1018
RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE	TIME	SIGNATURE	TIME
PRINT NAME		PRINT NAME	
COMPANY		COMPANY	

SPECIAL SHIPMENT HANDLING OR STORAGE REQUIREMENTS:

TP-24-6 TO TP-27-6 Pb ONLY

TOTAL NUMBER OF CONTAINERS

SAMPLE RECEIPT INFORMATION
CUSTODY SEALS: ☐YES ☐NO ☐N/A
GOOD CONDITION ☐YES ☐NO
TEMPERATURE 2.6°C IR004
SHIPMENT METHOD: ☐HAND ☐COURIER ☐OVERNIGHT

COOLER NO.: STORAGE LOCATION:

See Lab Work Order No. _____ for Other Contract Requirements

TURNAROUND TIME:
☐ 24 HOURS ☐ 1 WEEK
☐48 HOURS ☒STANDARD
☐72 HOURS OTHER _____

White to Lab Yellow to Project Manager Pink to Sample Custodian

Sample Custody Record

Samples Shipped to: TEST AMERICA

HARTCROWSER

Hart Crowser, Inc
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Seattle, Washington 98121
Office: 206.324.9530 • Fax 206.328.5581

10/17/2018

JOB 15014001 LAB NUMBER

PROJECT NAME CVSD

HART CROWSER CONTACT J. HANEY

SAMPLED BY: WM/KH

LAB NO.	SAMPLE ID	DESCRIPTION	DATE	TIME	MATRIX	REQUESTED ANALYSIS: BTEX	As	PAHs	TPH-HCID	NO. OF CONTAINERS	OBSERVATIONS/COMMENTS/ COMPOSITING INSTRUCTIONS
	TP-29-6		9/25/18	1045	Soil	X	X	X		1	
	TP-29-12			1046							HOLD
	TP-31-6			1100		X	X	X			
	TP-31-12			1101							HOLD
	TP-33-6			1125		X	X	X			
	TP-33-12			1126							HOLD
	TP-18-18			1145		WDW	WDW	X			PAHs ONLY
	TP-18-24			1146							HOLD
	TP-32-6			1210		X	X	X			
	TP-32-12			1211							HOLD
	TP-34-6			1220		X	X	X			
	TP-34-12			1221							HOLD

RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE	9/26/18	SIGNATURE	9/26/18
PRINT NAME	TIME	PRINT NAME	TIME
COMPANY	HART CROWSER 1015	COMPANY	10:18
RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE	TIME	SIGNATURE	TIME
PRINT NAME		PRINT NAME	
COMPANY		COMPANY	

SPECIAL SHIPMENT HANDLING OR STORAGE REQUIREMENTS:
TP-18-18 PAH ONLY

TOTAL NUMBER OF CONTAINERS

SAMPLE RECEIPT INFORMATION
CUSTODY SEALS: ☐YES ☐NO ☐N/A
GOOD CONDITION ☐YES ☐NO
TEMPERATURE 2.6°C IR GUN
SHIPMENT METHOD: ☐HAND ☐COURIER ☐OVERNIGHT

COOLER NO.: STORAGE LOCATION:

See Lab Work Order No. _____ for Other Contract Requirements

TURNAROUND TIME:
☐ 24 HOURS ☐ 1 WEEK
☐48 HOURS ☒STANDARD
☐72 HOURS OTHER _____

White to Lab Yellow to Project Manager Pink to Sample Custodian

Sample Custody Record

Samples Shipped to: TEST AMERICA

HARTCROWSER — PAGE 3 OF 5

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JOB 15014001 LAB NUMBER ______

PROJECT NAME CVSD

HART CROWSER CONTACT J. HANEY

SAMPLED BY: WM/KH

LAB NO.	SAMPLE ID	DESCRIPTION	DATE	TIME	MATRIX	LEAD	AS	PAHS	TPH-HCID	NO. OF CONTAINERS	OBSERVATIONS/COMMENTS/ COMPOSITING INSTRUCTIONS
	TP-36-6		9/25/18	1230	SOIL	X	X	X		1	
	TP-36-12			1231							HOLD
	TP-38-6			1240		X	X	X			
	TP-38-12			1241							HOLD
	TP-40-6			1300		X	X	X			
	TP-40-12			1301							HOLD
	TP-19-18			1320		X	X	X			
	TP 19-24			1321							HOLD
	TP-37-6			1325		X	X	X			
	TP-37-12			1326							HOLD
	TP-35-6			1330		X	X	X			
	TP-35-12			1331							HOLD

RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE [signature]	9/26/18	SIGNATURE [signature]	9/26/18
PRINT NAME WARD MCCONNAHA	TIME 1015	PRINT NAME Sheila Rock	TIME 10:18
COMPANY HART CROWSER		COMPANY TA SPO	

RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE	TIME	SIGNATURE	TIME
PRINT NAME		PRINT NAME	
COMPANY		COMPANY	

SPECIAL SHIPMENT HANDLING OR STORAGE REQUIREMENTS:

COOLER NO.: STORAGE LOCATION:

See Lab Work Order No. ______ for Other Contract Requirements

TOTAL NUMBER OF CONTAINERS

SAMPLE RECEIPT INFORMATION
CUSTODY SEALS: ☐YES ☐NO ☐N/A
GOOD CONDITION ☐YES ☐NO
TEMPERATURE 2.6 TR004
SHIPMENT METHOD: ☐HAND ☐COURIER ☐OVERNIGHT

TURNAROUND TIME:
☐ 24 HOURS ☐ 1 WEEK
☐48 HOURS ☒STANDARD
☐72 HOURS OTHER ______

White to Lab Yellow to Project Manager Pink to Sample Custodian

Sample Custody Record

Samples Shipped to: TEST AMERICA

HARTCROWSER

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10/17/2018

JOB 15014001 LAB NUMBER

PROJECT NAME CVSD

HART CROWSER CONTACT J. HANEY

SAMPLED BY: WDM/KH

LAB NO.	SAMPLE ID	DESCRIPTION	DATE	TIME	MATRIX	LEAD	AS	PAHs	TPH-HCID	NO. OF CONTAINERS	OBSERVATIONS/COMMENTS/ COMPOSITING INSTRUCTIONS
	TP-39-6		9/25/18	1340	SOIL	X	X	X		1	
	TP-39-12			1341							HOLD
WDM 9/26/18	TP-40-6			1355		X	X	X			
	TP-40-12			1356							HOLD
	TP-41-6			1400		X	X	X			
	TP-41-12			1401							HOLD
	TP-20-12			1420		WDM X	WDM X	X			PAHs ONLY
	TP-20-18			1421							HOLD
	TP-20-24			1422							HOLD
	TP-42-6			1436		X	X	X			
	TP-42-12			1431							HOLD
	TP-43-6			1445		X	X	X			

RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE	9/26/18	Sheila Kratz	9/26/18
PRINT NAME	TIME	Sheila Kratz	TIME
COMPANY	HART CROWSER 1015	JA SPC	10:18

RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE	TIME	SIGNATURE	TIME
PRINT NAME		PRINT NAME	
COMPANY		COMPANY	

SPECIAL SHIPMENT HANDLING OR STORAGE REQUIREMENTS:

TPH-20-12 PAH ONLY

TOTAL NUMBER OF CONTAINERS

SAMPLE RECEIPT INFORMATION

CUSTODY SEALS: ☐YES ☐NO ☐N/A

GOOD CONDITION ☐YES ☐NO

TEMPERATURE 2.6°C IR004

SHIPMENT METHOD: ☐HAND ☐COURIER ☐OVERNIGHT

COOLER NO.: STORAGE LOCATION:

TURNAROUND TIME:

☐ 24 HOURS ☐ 1 WEEK

☐48 HOURS ☒STANDARD

☐72 HOURS OTHER

See Lab Work Order No. for Other Contract Requirements

White to Lab Yellow to Project Manager Pink to Sample Custodian

Sample Custody Record

Samples Shipped to: TEST AMERICA

PAGE 5 OF 5

HARTCROWSER

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10/17/2018

JOB 15404 001 LAB NUMBER

PROJECT NAME CVSD

HART CROWSER CONTACT J. HANEY

SAMPLED BY: CMC/KIT

LAB NO.	SAMPLE ID	DESCRIPTION	DATE	TIME	MATRIX	REQUESTED ANALYSIS: LEAD	AS	PAHs	TPH-HCID	NO. OF CONTAINERS	OBSERVATIONS/COMMENTS/ COMPOSITING INSTRUCTIONS
	TP-43-12		9/24/18	1446	SOIL					1	HOLD
	SP-1			1520		X	X	X	X	5	
	SP-2			1530		X	X	X	X	1	
	SP-3			1547		X	X	X	X	1	
	SP-4			1552		X	X	X	X	1	

RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE	9/26/18	SIGNATURE	9/26/18
PRINT NAME CHRIS MCDONALD	TIME 1015	PRINT NAME TA SDG	TIME 10:18
COMPANY HART CROWSER		COMPANY	
RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE	TIME	SIGNATURE	TIME
PRINT NAME		PRINT NAME	
COMPANY		COMPANY	

SPECIAL SHIPMENT HANDLING OR STORAGE REQUIREMENTS:

COOLER NO.: STORAGE LOCATION:

See Lab Work Order No. _____ for Other Contract Requirements

TOTAL NUMBER OF CONTAINERS

SAMPLE RECEIPT INFORMATION
CUSTODY SEALS: ☐YES ☐NO ☐N/A
GOOD CONDITION ☐YES ☐NO
TEMPERATURE 2.6 °C IR001
SHIPMENT METHOD: ☐HAND ☐COURIER ☐OVERNIGHT

TURNAROUND TIME:
☐ 24 HOURS ☐ 1 WEEK
☐48 HOURS ☒STANDARD
☐72 HOURS OTHER _____

White to Lab Yellow to Project Manager Pink to Sample Custodian

Sample Custody Record

Samples Shipped to: TEST AMERICA

HARTCROWSER

Hart Crowser, Inc
3131 Elliott Avenue, Suite 600
Seattle, Washington 98121
Office: 206.324.9530 • Fax 206.328.5581

10/17/2018

JOB 590-9464 LAB NUMBER

PROJECT NAME CVSD

HART CROWSER CONTACT J. HANEY

SAMPLED BY: WM/~~EH~~

LAB NO.	SAMPLE ID	DESCRIPTION	DATE	TIME	MATRIX	Pb	As	PAHs	NO. OF CONTAINERS	OBSERVATIONS/COMMENTS/ COMPOSITING INSTRUCTIONS
	TP-41-6		9/27/18	0900	SOIL	X	X	X	1	

REQUESTED ANALYSIS

590-9464 Chain of Custody

RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE	9/27/18	SIGNATURE	9/27/18
PRINT NAME WARD MCDONALD	TIME	PRINT NAME Sheila Kratz	TIME 1005
COMPANY HART CROWSER		COMPANY TAL SEA	
RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE	TIME	SIGNATURE	TIME
PRINT NAME		PRINT NAME	
COMPANY		COMPANY	

SPECIAL SHIPMENT HANDLING OR STORAGE REQUIREMENTS:

TOTAL NUMBER OF CONTAINERS

SAMPLE RECEIPT INFORMATION
CUSTODY SEALS: ☐YES ☐NO ☐N/A
GOOD CONDITION ☐YES ☐NO
TEMPERATURE
SHIPMENT METHOD: ☐HAND ☐COURIER ☐OVERNIGHT

COOLER NO.: STORAGE LOCATION:

See Lab Work Order No. for Other Contract Requirements

TURNAROUND TIME:
☐ 24 HOURS ☐ 1 WEEK
☐48 HOURS ☒STANDARD
☐72 HOURS OTHER

White to Lab Yellow to Project Manager Pink to Sample Custodian

4.3c-IR004

Login Sample Receipt Checklist

Client: Hart Crowser, Inc.

Job Number: 590-9464-4

Login Number: 9464
List Number: 1
Creator: Kratz, Sheila J

List Source: TestAmerica Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
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.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
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 (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

18 8/6 5924

Please print or type. SPR 1805701012-003 SC PPW 7/12/2018 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
EXEMPT	1	(800) 483-3718	012560404 FLE

5. Generator's Name and Mailing Address
Central Valley School Dist
47.660054-117132760
Spokane Valley, WA 99016
Generator's Phone: (509) 558-5476

Generator's Site Address (if different than mailing address)
SAME

6. Transporter 1 Company Name	U.S. EPA ID Number
Clean Harbors Environmental Services, Inc.	MAD039322250

7. Transporter 2 Company Name	U.S. EPA ID Number
R TRANSPORT INC	WAH000028338

8. Designated Facility Name and Site Address
Chemical Waste Management
17629 Cedar Springs Lane
Arlington, OR 97812
Facility's Phone: (541)454-2030

U.S. EPA ID Number: ORD089452353

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (LEAD, PAH), 9, PG III	~~001~~ 30	DT	30	T	D008
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.OR339783 ERG#171 30T

Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Ben C. Small	[signature]	11	12	18

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

	Printed/Typed Name	Signature	Month	Day	Year
Transporter 1	Justin Born	[signature]	11	13	18
Transporter 2					

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year
Dawn Dunlap	[signature]	11	13	18

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. TRANSPORTER COPY

Chemical Waste Management Of The Northwest

17629 Cedar Springs Lane
Arlington, Oregon 97812
541-454-2643
EPA I.D.# ORDO89452353

LOAD NO. _____

MANIFEST DOC. NO. _____

INBOUND
T/D: 12:58:37 2018-11-13
ID: 465924 TRK ID: R78
103580 lb G

OUTBOUND
T/D: 13:21:07 2018-11-13
ID: 465924 TRK ID: R78
103580 lb G
43400 lb PT
60180 lb N

NET 30.09 TONS

GENERATOR _____

903-ARLINGTON_OR

C-23 24523 SPK 1805701012-003 SC PPW 7/12/2018

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	EXEMPT	1	(800) 483-3718	012560405 FLE

5. Generator's Name and Mailing Address
Central Valley School Dist
47.660054-117132790
Spokane Valley, WA 99016
Generator's Phone: (509) 868-3475

Generator's Site Address (if different than mailing address)
SAME

6. Transporter 1 Company Name: Clean Harbors Environmental Services, Inc. — U.S. EPA ID Number: MAD039322250

7. Transporter 2 Company Name: R TRANSPORT INC. — U.S. EPA ID Number: WAH000028338

8. Designated Facility Name and Site Address
Chemical Waste Management
17629 Cedar Springs Lane
Arlington, OR 97812
Facility's Phone: (541) 454-2030

U.S. EPA ID Number: ORD089452353

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (LEAD, PAH), 9, PG III	001	YT	32.	T	D008		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1 OR339783 ; EPG0171 — 33T

Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf.

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Brad C Small — Signature — Month 11 Day 12 Year 18

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Richard Bapt Isa — Signature — Month 11 Day 13 Year 18

Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy

18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

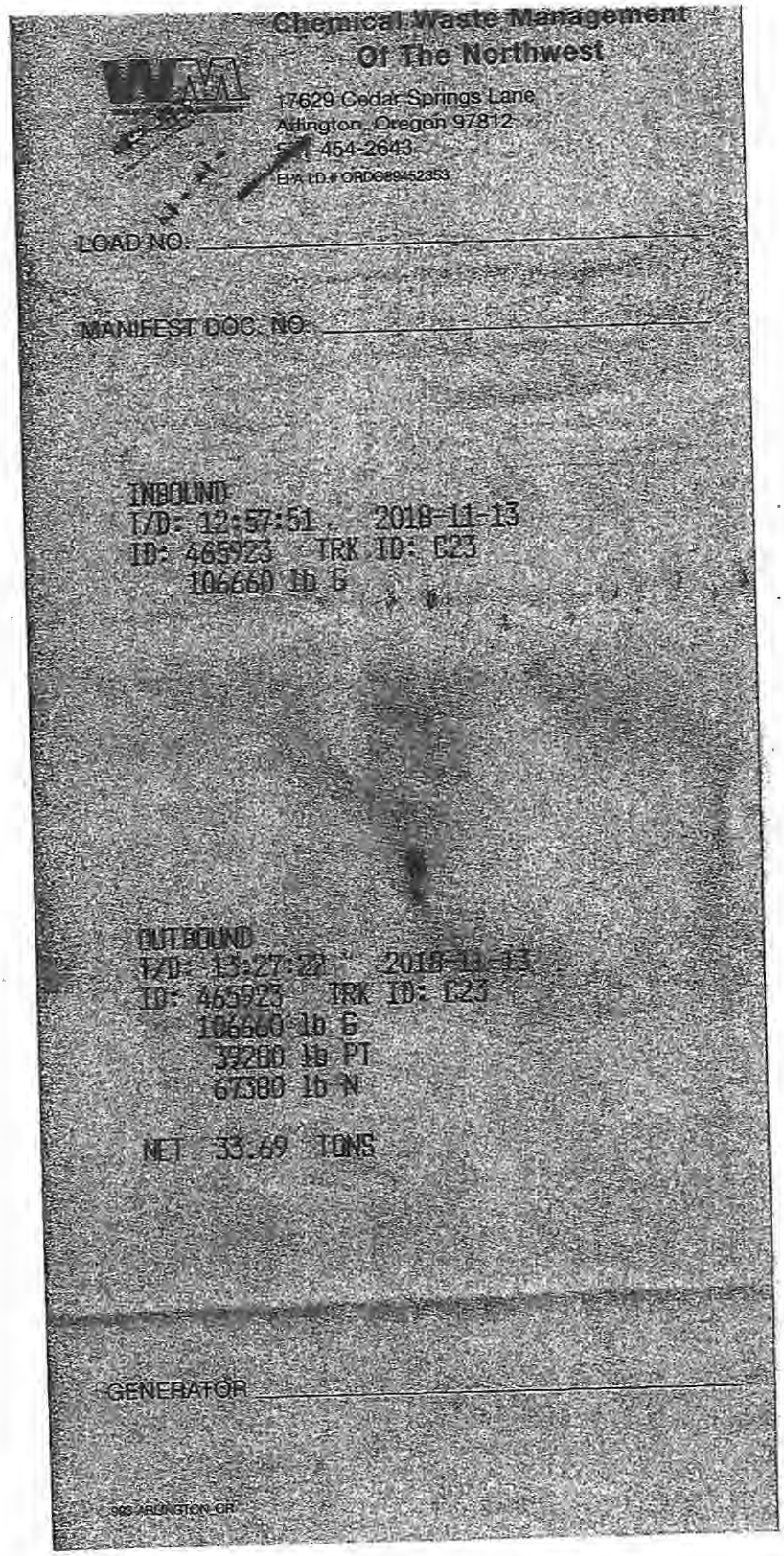
1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a

Printed/Typed Name — Signature — Month 11 Day 13 Year 18

GENERATOR → TRANSPORTER INTL → TRANSPORTER → DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. TRANSPORTER COP



Chemical Waste Management
Of The Northwest

17629 Cedar Springs Lane
Arlington, Oregon 97812
541-454-2643
EPA I.D.# ORD089452353

LOAD NO:

MANIFEST DOC. NO:

INBOUND
T/D: 12:57:51 2018-11-13
ID: 465923 TRK ID: C23
106660 lb G

OUTBOUND
T/D: 13:27:27 2018-11-13
ID: 465923 TRK ID: C23
106660 lb G
39280 lb PT
67380 lb N

NET 33.69 TONS

GENERATOR

965 ARLINGTON OR

4653125

SPK 1805701012-003 SC PPW 7/12/2018

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	EXEMPT	1	(800) 483-3718	012560406 FLE

GENERATOR

5. Generator's Name and Mailing Address
Central Valley School Dist
47.660054-117132760
Spokane Valley, WA 99016
Generator's Phone: (509) 228-5476

Generator's Site Address (if different than mailing address)
SAME

6. Transporter 1 Company Name
Clean Harbors Environmental Services, Inc.

U.S. EPA ID Number
MAD039322250

7. Transporter 2 Company Name
K TRANSPORT INC

U.S. EPA ID Number
WTH000028338

8. Designated Facility Name and Site Address
Chemical Waste Management
17629 Cedar Springs Lane
Arlington, OR 97812
Facility's Phone: 541 454-2030

U.S. EPA ID Number
ORD089452353

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (LEAD, PAH), 9, PG III	001	DT	36	T	D009		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1.08339783 EMG#171 2 T

Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf.

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Brad C Small
Signature:
Month: 11 Day: 12 Year: 18

TRANSPORTER / INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: PAUL FERGUSON
Signature:
Month: 11 Day: 13 Year: 18

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☑ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Weight Changed By Driver DD 11-13-18
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name:
Signature:
Month: 11 Day: 13 Year: 18

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

TRANSPORTER COPY

Chemical Waste Management
Of The Northwest
17629 Cedar Springs Lane
Arlington, Oregon 97812
541-454-2643
EPA I.D.#: ORD069452353

LOAD NO: _____

MANIFEST DOC. NO: _____

INBOUND
T/D: 13:07:44 2018-11-13
ID: 465925 TRK ID: 17
94920 lb G

OUTBOUND
T/D: 13:29:12 2018-11-13
ID: 465925 TRK ID: 17
94920 lb G
40700 lb PT
54220 lb N

NET 27.11 TONS

GENERATOR: _____

903 ARLINGTON, OR

465926

SPK 1805701012-003 SC PPW 7/12/2018

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: EXEMPT
2. Page 1 of: 1
3. Emergency Response Phone: (800) 483-3718
4. Manifest Tracking Number: 012560407 FLE

5. Generator's Name and Mailing Address:
Central Valley School Dist
47 680054-117132760
Spokane Valley, WA 99016
Generator's Phone: [illegible]

Generator's Site Address (if different than mailing address): SAME

6. Transporter 1 Company Name: Clean Harbors Environmental Services, Inc.
U.S. EPA ID Number: MAD039322250

7. Transporter 2 Company Name: K-TRANSPORT INC
U.S. EPA ID Number: WAH000028338

8. Designated Facility Name and Site Address:
Chemical Waste Management
17629 Cedar Springs Lane
Arlington, OR 97812
Facility's Phone: (541) 454-2030
U.S. EPA ID Number: ORD089452353

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (LEAD, PAH), 9, PG III	001	DT	~~30~~ 26 T	T	D008		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. 08339763 ERG#171
26 T

Contract entered by generator carries agency authority on initial transporter to add or substitute additional transporters on generator's behalf.

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Ben C. Small
Signature: [signature]
Month 11 Day 12 Year 18

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:
Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: [illegible] Signature: [signature] Month 11 Day 13 Year 18
Transporter 2 Printed/Typed Name: Stephen H. LAMOIREUX Signature: [signature] Month 11 Day 13 Year 18

18. Discrepancy
18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
weight changed by driver DD 11-13-18
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [illegible] Signature: [signature] Month 11 Day 13 Year 18

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

TRANSPORTER COPY

Chemical Waste Management Of The Northwest

17629 Cedar Springs Lane
Arlington, Oregon 97812
541-454-2643
EPA I.D.#.ORD069452353

LOAD NO.

MANIFEST DOC. NO.

INBOUND
T/D: 13:10:51 2018-11-13
ID: 465926 TRK ID: 16
95400 lb G

OUTBOUND
T/D: 13:41:42 2018-11-13
ID: 465926 TRK ID: 16
95400 lb G
42640 lb PT
52760 lb N

NET 26.38 TONS

GENERATOR

303-ARLINGTON_OR

465136

SPK 1805701012-003 SC PPW 7/12/2018

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: EXEMPT
2. Page 1 of: 1
3. Emergency Response Phone: (800) 483-3718
4. Manifest Tracking Number: 012560408 FLE

5. Generator's Name and Mailing Address:
Central Valley School Dist
47-660054-117132760
Spokane Valley, WA 99016
Generator's Phone: (509) 558-5476

Generator's Site Address (if different than mailing address): SAME

6. Transporter 1 Company Name: Clean Harbors Environmental Services, Inc. — U.S. EPA ID Number: MAD039322250

7. Transporter 2 Company Name: R TRANSPORT INC — U.S. EPA ID Number: WAH000028338

8. Designated Facility Name and Site Address:
Chemical Waste Management
17629 Cedar Springs Lane
Arlington, OR 97812
Facility's Phone: (541) 454-2030
U.S. EPA ID Number: ORD089452353

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (LEAD, PAH), 9, PG III	001	DT	30	T	D008
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information:
1. CB338763 ERG#171

30T

Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf.

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Ben L. Small — Signature: [signature] — Month 11 Day 12 Year 18

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Justin Lozon — Signature: [signature] — Month 11 Day 13 Year 18
Transporter 2 Printed/Typed Name: Tim Lindall — Signature: [signature] — Month 11 Day 13 Year 18

18. Discrepancy
18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Dawn Duke — Signature: [signature] — Month 11 Day 13 Year 18

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

TRANSPORTER COPY

Chemical Waste Management
Of The Northwest

17629 Cedar Springs Lane
Arlington, Oregon 97812
541-454-2643
EPA I.D. # ORD089452353

LOAD NO. ______________________

MANIFEST DOC. NO. ______________________

INBOUND
T/D: 15:26:31   2018-11-13
ID: 465936   TRK ID: 16
103160 lb G

OUTBOUND
T/D: 15:47:50   2018-11-13
ID: 465936   TRK ID: 16
103160 lb G
42300 lb PT
60860 lb N

NET 30.43 TONS

GENERATOR ______________________

903 ARLINGTON, OR

465935

Please print or type. SPK 1805701012-003 SC PPW 7/12/2018 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
EXEMPT	1	(800) 483-3718	012560409 FLE

5. Generator's Name and Mailing Address
Central Valley School Dist
47 890054-117132780
Spokane Valley, WA 99016
Generator's Phone:

Generator's Site Address (if different than mailing address)
SAME

6. Transporter 1 Company Name: Clean Harbors Environmental Services, Inc. — U.S. EPA ID Number: MAD039322250

7. Transporter 2 Company Name: K TRANSPORT INC — U.S. EPA ID Number: WAH000028338

8. Designated Facility Name and Site Address — U.S. EPA ID Number: ORD089452353
Chemical Waste Management
17629 Cedar Springs Lane
Arlington, OR 97812
Facility's Phone: (541)454-2030

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (LEAD, PAH), 9, PG III	001	DT	30	T	D008
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information JR 11/13 29 T
1. OR33083 CCG#171

Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Ben L Small — Signature: [signature] — Month 11 Day 17 Year 18

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Justin Larsen — Signature: [signature] — Month 11 Day 13 Year 18
Transporter 2 Printed/Typed Name: Ruben Juarez — Signature: [signature] — Month 11 Day 13 Year 18

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Dawn Jones — Signature: [signature] — Month 11 Day 13 Year 18

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. TRANSPORTER COPY

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

Chemical Waste Management
Of The Northwest
17629 Cedar Springs Lane
Arlington, Oregon 97812
541-454-2643
EPA I.D.# ORD069452353

LOAD NO. _____

MANIFEST DOC. NO. _____

INBOUND
T/D: 15:25:46 2018-11-13
ID: 465935 TRK ID: 17
101160 lb G

OUTBOUND
T/D: 15:47:19 2018-11-13
ID: 465935 TRK ID: 17
101160 lb G
42560 lb PT
58600 lb N

NET 29.30 TONS

GENERATOR _____

903ARLINGTON,OR

#18 LAB 465937

SPK 1805701012-003 SC PPW 7/12/2018

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
EXEMPT	1	(800) 483-3718	012560410 FLE

GENERATOR

5. Generator's Name and Mailing Address
Central Valley School Dist
47.660054-117132760
Spokane Valley, WA 99016
Generator's Phone: (509) 868-5476

Generator's Site Address (if different than mailing address)
SAME

6. Transporter 1 Company Name
Clean Harbors Environmental Services, Inc.

U.S. EPA ID Number
MAD039322250

7. Transporter 2 Company Name
R TRANSPORT INC

U.S. EPA ID Number
WAT 000028338 WAT 000028338

8. Designated Facility Name and Site Address
Chemical Waste Management
17629 Cedar Springs Lane
Arlington, OR 97812
Facility's Phone: (541) 454-2030

U.S. EPA ID Number
ORD089452353

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (LEAD, PAH), 9, PG III	001	DT	30	T	D008		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1.OR339783 ERG#171 30T

~~Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf.~~

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Brad C. Small | Signature: Brad Small | Month: 11 | Day: 12 | Year: 18

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: John Lyon | Signature: | Month: 11 | Day: 13 | Year: 18

Transporter 2 Printed/Typed Name: Pat Turon | Signature: | Month: 11 | Day: 13 | Year: 18

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Dawn Dunn | Signature: | Month: 11 | Day: 13 | Year: 18

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. TRANSPORTER COP

Chemical Waste Management
Of The Northwest
17629 Cedar Springs Lane
Arlington, Oregon 97812
541-454-2643
EPA I.D.# ORD008452353

LOAD NO.:

MANIFEST DOC. NO:

INBOUND
T/D: 15:52:12 2018-11-13
ID: 465937 TRK ID: 18
101240 lb G

OUTBOUND
T/D: 16:03:28 2018-11-13
ID: 465937 TRK ID: 18
101240 lb G
42040 lb PT
59200 lb N

NET 29.60 TONS

GENERATOR:

003-ARLINGTON_OR

R-78 465970

SPK 1805701012-003 SC PPW 7/12/2018

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: EXEMPT
2. Page 1 of: 1
3. Emergency Response Phone: (800) 483-3718
4. Manifest Tracking Number: 012560411 FLE

5. Generator's Name and Mailing Address:
Central Valley School Dist
47 C60054-117132790
Spokane Valley, WA 99016
Generator's Phone: [illegible]

Generator's Site Address (if different than mailing address): SAME

6. Transporter 1 Company Name: Clean Harbors Environmental Services, Inc. — U.S. EPA ID Number: MAD039322250

7. Transporter 2 Company Name: K Transport Inc. — U.S. EPA ID Number: WAH000028338

8. Designated Facility Name and Site Address: Chemical Waste Management, 17629 Cedar Springs Lane, Arlington, OR 97812 — U.S. EPA ID Number: ORD089452353
Facility's Phone: (541) 454-2030

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (LEAD, PAH), 9, PG III	001	DT	30	T	D008
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. [illegible] ERG#171 29T

Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf.

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Ben C Small — Signature: [signature] — Month 11 Day 12 Year 18

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Justin Larson — Signature: [signature] — Month 11 Day 13 Year 18
Transporter 2 Printed/Typed Name: Justin Bonn — Signature: [signature] — Month 11 Day 14 Year 18

18. Discrepancy
18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Dawn Dimp — Signature: [signature] — Month 11 Day 14 Year 18

Chemical Waste Management
Of The Northwest
57629 Cedar Springs Lane
Arlington, Oregon 97812
541-454-2643
EPA I.D.#: ORDC69452853

LOAD NO. _____

MANIFEST DOC. NO. _____

INBOUND
T/D: 12:41:47 2018-11-14
ID: 465970 TRK ID: 78
103480 lb G

OUTBOUND
T/D: 13:39:09 2018-11-14
ID: 465970 TRK ID: 78
103480 lb G
43560 lb PT
59920 lb N

NET 29.96 TONS

GENERATOR _____

933-ARLINGTON-OR

SPK 1805701012-003 SC PPW 7/12/2018

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: EXEMPT
2. Page 1 of 1
3. Emergency Response Phone: (800) 483-3718
4. Manifest Tracking Number: 012560412 FLE

5. Generator's Name and Mailing Address:
Central Valley School Dist
47 080054-117132780
Spokane Valley, WA 99016
Generator's Phone: (509) 558-5476

Generator's Site Address (if different than mailing address): SAME

6. Transporter 1 Company Name: Clean Harbors Environmental Services, Inc. — U.S. EPA ID Number: MAD039322250

7. Transporter 2 Company Name: R Transport Inc — U.S. EPA ID Number: WAD000028338

8. Designated Facility Name and Site Address:
Chemical Waste Management
17629 Cedar Springs Lane
Arlington, OR 97812
Facility's Phone: (541) 454-2030
U.S. EPA ID Number: ORD089452353

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (LEAD, PAH), 9, PG III	001	DT	34	P	D008
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1 CH339783 ERG#171

Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf.

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Ben C. Small — Signature: [signature] — Month 11 Day 17 Year 18

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Justin Larsen — Signature: [signature] — Month 11 Day 14 Year 18
Transporter 2 Printed/Typed Name: Richard Baptista — Signature: [signature] — Month 11 Day 14 Year 18

18. Discrepancy
18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: — Signature: — Month Day Year

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

TRANSPORTER COPY

Chemical Waste Management
Of The Northwest

17629 Cedar Springs Lane
Arlington, Oregon 97812
541-454-2643
EPA ID# ORD089452353

LOAD NO. ______________________

MANIFEST DOC. NO. ______________________

INBOUND
T/D: 13:14:02 2018-11-14
ID: 465973 TRK ID: C23
107920 lb G

OUTBOUND
T/D: 13:44:44 2018-11-14
ID: 465973 TRK ID: C23
107920 lb G
39480 lb PT
68440 lb N

NET [illegible].22 TONS

GENERATOR ______________________

903-ARLINGTON, OR

Please print or type. SPK 1805701012-003 SC PPW 7/12/2018 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	EXEMPT
2. Page 1 of	1
3. Emergency Response Phone	(800) 483-3718
4. Manifest Tracking Number	012560413 FLE

5. Generator's Name and Mailing Address: Central Valley School Dist, [illegible]

Generator's Site Address (if different than mailing address): SAME

Generator's Phone: [illegible]

6. Transporter 1 Company Name: Clean Harbors Environmental Services, Inc. — U.S. EPA ID Number: MAD039322250

7. Transporter 2 Company Name: K TRANSPORT INC — U.S. EPA ID Number: WAH000028338

8. Designated Facility Name and Site Address: Chemical Waste Management, 17629 Cedar Springs Lane, Arlington, OR 97812 — U.S. EPA ID Number: ORD089452353

Facility's Phone: (541) 454-2030

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (LEAD, PAH), 9, PG III	001	DT	30 / 14 / 14	T	D008
	2.					
	3.					
	4. [illegible] JDL 11/14					

14. Special Handling Instructions and Additional Information: 1. OR339783 ERG #171 [illegible] 11/14 30T

Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Ben C Small — Signature: (signature) — Month 11 Day 17 Year 18

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: [illegible] — Signature: (signature) — Month 11 Day 14 Year 18
Transporter 2 Printed/Typed Name: Pat Turner — Signature: (signature) — Month 11 Day 14 Year 18

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [illegible] — Signature: (signature) — Month 11 Day 14 Year 18

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. **TRANSPORTER COPY**

Chemical Waste Management
Of The Northwest
17629 Cedar Springs Lane
Arlington, Oregon 97812
541-454-2643
EPA I.D.# ORD089452353

LOAD NO: _____

MANIFEST DOC. NO. _____

INBOUND
T/D: 13:29:04 2018-11-14
ID: 465975 TRK ID: 18
102700 lb G

OUTBOUND
T/D: 14:07:42 2018-11-14
ID: 465975 TRK ID: 18
102700 lb G
42540 lb PT
60140 lb N

NET 30.07 TONS

GENERATOR _____

903-ARLINGTON,OR

SPK 1805701012-003 SC PPW 7/12/2018

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
EXEMPT	1	(800) 483-3718	012560414 FLE

5. Generator's Name and Mailing Address
Central Valley School Dist
[illegible]
Spokane Valley, WA 99016
Generator's Phone: (509) 558-5476

Generator's Site Address (if different than mailing address): SAME

6. Transporter 1 Company Name: Clean Harbors Environmental Services, Inc. — U.S. EPA ID Number: MAD039322250

7. Transporter 2 Company Name: K Transport — U.S. EPA ID Number: WAH000028338

8. Designated Facility Name and Site Address
Chemical Waste Management
17629 Cedar Springs Lane
Arlington, OR 97812
Facility's Phone: (541) 454-2030
U.S. EPA ID Number: ORD089452353

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (LEAD, PAIR), 9, PG III	001	DT	30	T	D008
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. OR339753 ERG#171
30 YT
61580P

Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Ben C Small — Signature: [signature] — Month 11 Day 12 Year 18

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Justin Logan — Signature: [signature] — Month 11 Day 13 Year 18
Transporter 2 Printed/Typed Name: Justin Bonn — Signature: [signature] — Month 11 Day 15 Year 18

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Bobby Wilson — Signature: [signature] — Month 11 Day 15 Year 1[illegible]

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. TRANSPORTER COPY

Chemical Waste Management
Of The Northwest
17629 Cedar Springs Lane
Arlington, Oregon 97812
541-454-2643
EPA I.D.# ORD089452353

LOAD NO. _____

MANIFEST DOC. NO. _____

INBOUND
T/D: 12:32:43 2018-11-15
ID: 465989 TRK ID: 78
104820 lb G

OUTBOUND
T/D: 12:48:58 2018-11-15
ID: 465989 TRK ID: 78
104820 lb G
43240 lb PT
61580 lb N

NET 30.79 TONS

GENERATOR _____

603-ARLINGTON,OR

4660Z1

Please print or type.

9PK 1805701012-003 SC PPW 7/12/2018

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: EXEMPT
2. Page 1 of: 1
3. Emergency Response Phone: (800) 483-3718
4. Manifest Tracking Number: 012560415 FLE

GENERATOR

5. Generator's Name and Mailing Address
Central Valley School Dist
47 860054-117132780
Spokane Valley, WA 99216
Generator's Phone: [illegible]476

Generator's Site Address (if different than mailing address): SAME

6. Transporter 1 Company Name: Clean Harbors Environmental Services, Inc.
U.S. EPA ID Number: MAD039322250

7. Transporter 2 Company Name: R TRANSPORT INC.
U.S. EPA ID Number: WAH000025338

8. Designated Facility Name and Site Address
Chemical Waste Management
17629 Cedar Springs Lane
Arlington, OR 97812
Facility's Phone: (541) 454 2030
U.S. EPA ID Number: ORD089452353

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (LEAD, PAIN), 9, PG III		DT	26	T	D008		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
[illegible] [illegible]171
26 T

Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Ben C Small — Signature: [signature] — Month 11 Day 17 Year 18

INT'L

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Justin Born — Signature: [signature] — Month 11 Day 16 Year 18
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space: ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
[illegible handwriting] 11-16-1[illegible]
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [illegible handwriting] — Signature: [signature] — Month 11 Day 16 Year 18

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

TRANSPORTER

Chemical Waste Management
Of The Northwest
17629 Cedar Springs Lane
Arlington, Oregon 97812
541-454-2643
EPA I.D.# ORD089452353

LOAD NO. _____

MANIFEST DOC. NO. _____

INBOUND
T/D: 08:33:42 2018-11-16
ID: 466021 TRK ID: R58
96300 lb G

OUTBOUND
T/D: 08:56:06 2018-11-16
ID: 466021 TRK ID: R58
96300 lb G
43080 lb PT
53000 lb N

NET 26.50 TONS

GENERATOR _____

933-ARLINGTON,OR

Please print or type.

SPK 1805701012-008 SC PPW 7/12/2018

18 3451

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	WAH000055705	1	(800) 483-3718	012560452 FLE

GENERATOR

5. Generator's Name and Mailing Address
Central Valley School Dist
47.660054-117132780
Spokane Valley, WA 99016
Generator's Phone: (509) 558-5476

Generator's Site Address (if different than mailing address)
SAME

6. Transporter 1 Company Name
R Transport Inc

U.S. EPA ID Number
WAH000028338

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Clean Harbors Aragonite LLC
11600 North Aptus Road
Grantsville, UT 84029
Facility's Phone: (435) 884-8100

U.S. EPA ID Number
UTD981552177

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes		
X	NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (LEAD, PAH), 9, PG III	001	DT	28	T	D008		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. CB1745865 ERG#171

LOT# 2109572

Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Ben C. Small
Signature: Ben Dall
Month: 11 Day: 26 Year: 18

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Mark Ehlw
Signature: Mark Ehlw
Month: 11 Day: 26 Year: 18

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H040			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name:
Signature:
Month: Day: Year:

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

TRANSPORTER COPY

Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

Clean Harbors Aragonite LLC
11600 North Aptus Road
Grantsville, UT 84029
435-884-8100

11/27/2018

	UOM	Time In	Time Out
GROSS	**100940 LBS**		
TARE	**46340 LBS**		
NET	**54600 LBS**		

Container # or Fleet #

Load #	182548
Manifest #	012560454FLE
Sales Order #	1805701012-008
Profile #	CH1745565
Tracking #	69895597

Central Valley School Dist
47.660054-117132760
Spokane Valley, WA 99016

SPK 1805701012-008 SC PPW 7/12/2018

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	WAH000055705	1	(800) 483-3718	012560453 FLE

GENERATOR

5. Generator's Name and Mailing Address
Central Valley School Dist
47.660054-117132760
Spokane Valley, WA 99016
Generator's Phone: (509) 558-5476

Generator's Site Address (if different than mailing address)
SAME

6. Transporter 1 Company Name
R Transporting

U.S. EPA ID Number
WAH000028338

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Clean Harbors Aragonite LLC
11600 North Aptus Road
Grantsville, UT 84029
Facility's Phone: (435) 884-6100

U.S. EPA ID Number
UTD981552177

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (LEAD, PAH), 9, PG III	1	DT	30	Tons LT	D008		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. CH1745568 ERG#171

LOT # 2718 2044

Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters as generator's behalf

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Ben L. Small | Signature: Ben Small | Month: 11 | Day: 26 | Year: 18

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jordan Thomas | Signature | Month: 11 | Day: 26 | Year: 18

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H040			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name | Signature | Month | Day | Year

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

TRANSPORTER COPY

Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping

Clean Harbors Aragonite LLC
11600 North Aptus Road
Grantsville, UT 84029
435-884-8100

11/27/2018

		UOM	Time In	Time Out
GROSS	**103000**	**LBS**		
TARE	**39300**	**LBS**		
NET	**63700**	**LBS**		

Container # or Fleet #

Load #	183451
Manifest #	012560452FLE
Sales Order #	1805701012-008
Profile #	CH1745565
Tracking #	69893607

Central Valley School Dist
47.660054-117132760
Spokane Valley, WA 99016

SPK 1805701012-008 SC PPW 7/12/2018 182548

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: WAH000055705
2. Page 1 of 1
3. Emergency Response Phone: (800) 483-3718
4. Manifest Tracking Number: 012560454 FLE

5. Generator's Name and Mailing Address:
Central Valley School Dist
47.660054-117132760
Spokane Valley, WA 99016
Generator's Phone: (509) 558-5476

Generator's Site Address (if different than mailing address): SAME

6. Transporter 1 Company Name: R Transport Inc — U.S. EPA ID Number: WAH000028338

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
Clean Harbors Aragonite LLC
11600 North Aptus Road
Grantsville, UT 84029
Facility's Phone: (435) 884-8100
U.S. EPA ID Number: UTD981552177

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (LEAD, PAH), 9, PG III	001	DT	25	T	D008
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. CH1745565 ERG#171
LOT # 2182787

Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Ben C. Small — Signature: [signature] — Month/Day/Year: 11 / 26 / 18

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: JON Witt — Signature: [signature] — Month/Day/Year: 11 / 26 / 18
Transporter 2 Printed/Typed Name: — Signature: — Month/Day/Year:

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H040 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [illegible handwriting] — Signature: [signature] — Month/Day/Year: 11 / 27 / 18

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. TRANSPORTER COPY

Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

Clean Harbors Aragonite LLC
11600 North Aptus Road
Grantsville, UT 84029
435-884-8100

11/27/2018

		UOM	Time In	Time Out
GROSS	**94620**	**LBS**		
TARE	**44540**	**LBS**		
NET	**50080**	**LBS**		

Container # or Fleet #

Load # 182547

Manifest # 012560453FLE

Sales Order # 1805701012-008

Profile # CH1745565

Tracking # 69895387

Central Valley School Dist
47.660054-117132760
Spokane Valley, WA 99016

(2)

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

SPK 1805701012.002

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: EXEMPT

Manifest Document No.: CVSD GR-01

2. Page 1 of 1

3. Generator's Name and Mailing Address:
Central Valley School Dist
47.660054-117132760
Spokane Valley WA 99016
(509) 558-5476

Site Address: SAME

4. Generator's Phone:

5. Transporter 1 Company Name: R Transport Inc

6. US EPA ID Number: WAH000028338

A. State Transporter's ID:

B. Transporter 1 Phone: (509) 785-3505

7. Transporter 2 Company Name:

8. US EPA ID Number:

C. State Transporter's ID:

D. Transporter 2 Phone:

9. Designated Facility Name and Site Address:
Waste Management - Graham Road
1820 S. Graham Rd
Medical Lake, WA 99022

10. US EPA ID Number: TXNOTREORD31

E. State Facility's ID:

F. Facility's Phone: (509) 244-0151

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. WASTE NOT REGULATED BY DOT. (LEAD, PAH)	01	DT	30	T
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above:
11a.1289490R

H. Handling Codes for Wastes Listed Above:

15. Special Handling Instructions and Additional Information:
EMERGENCY PHONE #: (800) 483-3716
GENERATOR: Central Valley School Dist

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Brad C. Small — Signature: [signature] — Date: Month 11 Day 14 Year 13

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Paul Ferguson — Signature: [signature] — Date: Month 11 Day 14 Year 13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: — Signature: — Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: — Signature: — Date: Month Day Year

NON-HAZARDOUS WASTE

Graham Road Facility
1820 S. Graham Road
Medical Lake, WA, 99022 Ph: (509)244-0151

Original
Ticket# 579917

Customer Name CLEAN HARBORS PROFILE 12
Ticket Date 11/14/2018
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
Manifest 128949OR
Profile 128949OR (LF02- Lead and PAH Soils)
Generator WA-CENTRAL VALLEY SCHOOL DIST CENTRAL VALLEY SCHOOL DISTRICT SPOKANE WA 990
PO# 128949OR

Carrier MIKE MADSEN MIKE MADSEN TRUCKING
Vehicle# PAUL
Container
Driver PAUL DICE
Check#
Billing# 0001732
Grid

	Time	Scale	Operator	Inbound		
In	11/14/2018 10:58:33	Scale1	rlabrec1		Gross	104160 lb
Out	11/14/2018 11:11:42	Scale1	rlabrec1		Tare	43180 lb
					Net	60980 lb
					Tons	30.49

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee Amount	Origin
1	Cont Soil Pet-RGC-Tons-C	100	30.49	Tons			SPOKANE
2	FEA-FUEL ENVIRONMENTAL A	100	30.49	Tons			SPOKANE
3	SRHD1-Spokane Regional H	100	30.49	Tons			SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature 

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

(3)

NON-HAZARDOUS WASTE MANIFEST

SPK 1805701012-002

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. EXEMPT

Manifest Document No. CVSDGR-03

2. Page 1 of

3. Generator's Name and Mailing Address
Central Valley School Dist
47.660054-117132760
Spokane Valley WA 99016

4. Generator's Phone (509) 558-5476

Site Address: SAME

5. Transporter 1 Company Name
R Transport Inc

6. US EPA ID Number
WAH000028338

A. State Transporter's ID

B. Transporter 1 Phone ~~(509) 795-0505~~

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Waste Management - Graham Road
1820 S Graham Rd
Medical Lake, WA 99022

10. US EPA ID Number
TXNOTREORD31

E. State Facility's ID

F. Facility's Phone
(509) 244-0151

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. WASTE NOT REGULATED BY DOT, (LEAD, PAH)	01	DT	30	T
b.				
c.				
d.				

GENERATOR

G. Additional Descriptions for Materials Listed Above
11: 128949OR

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
EMERGENCY PHONE #: (800) 483-3718
GENERATOR: Central Valley School Dist

NON-HAZARDOUS WASTE

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date: Month	Day	Year
Brad C. Small		11	14	18

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date: Month	Day	Year
Paul Ferguson		11	14	18

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date: Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date: Month	Day	Year

Graham Road Facility
1820 S. Graham Road
Medical Lake, WA, 99022 Ph: (509)244-0151

Original
Ticket# 579946

Customer Name CLEAN HARBORS PROFILE 12
Ticket Date 11/14/2018
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
Manifest 128949OR
Profile 128949OR (LF02- Lead and PAH Soils)
Generator WA-CENTRAL VALLEY SCHOOL DIST CENTRAL VALLEY SCHOOL DISTRICT SPOKANE WA 990
PO# 128949OR

Carrier MIKE MADSEN MIKE MADSEN TRUCKING
Vehicle# PAUL
Container
Driver PAUL DICE
Check#
Billing# 0001732
Grid

	Time	Scale	Operator	Inbound	Gross	103740 lb
In	11/14/2018 13:22:04	Scale1	rlabrecl		Tare	42820 lb
Out	11/14/2018 13:50:45	Scale1	rlabrecl		Net	60920 lb
					Tons	30.46

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee Amount	Origin
1	Cont Soil Pet-RGC-Tons-C	100	30.46	Tons			SPOKANE
2	FEA-FUEL ENVIRONMENTAL A	100	30.46	Tons			SPOKANE
3	SRHD1-Spokane Regional H	100	30.46	Tons			SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

SPK 1805701012-002

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: EXEMPT

Manifest Document No.: CVSD GR-04

2. Page 1 of 1

3. Generator's Name and Mailing Address
Central Valley School Dist
47.660054-117132760
Spokane Valley WA 99016
4. Generator's Phone (509) 558-5478

Site Address: SAME

5. Transporter 1 Company Name: R Transport Inc

6. US EPA ID Number: WAH000028338

A. State Transporter's ID

B. Transporter 1 Phone: (509) 783-3505

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Waste Management - Graham Road
1820 S. Graham Rd
Medical Lake, WA 99022

10. US EPA ID Number: TXNOTREORD31

E. State Facility's ID

F. Facility's Phone: (509) 244-0151

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. WASTE NOT REGULATED BY DOT, (LEAD, PAH)	01	PT	30	T
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above: 11a.1289490R

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE #: (800) 483-3713
GENERATOR: Central Valley School Dist

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date (Month / Day / Year)
Ben C. Small	Ben Dodd	11 / 14 / 18

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)
PAUL FERGUSON	Paul Ferguson	11 / 14 / 18

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 18.

Printed/Typed Name	Signature	Date (Month / Day / Year)

NON-HAZARDOUS WASTE

Graham Road Facility
1820 S. Graham Road
Medical Lake, WA, 99022 Ph: (509)244-0151

Original
Ticket# 579889

Customer Name CLEAN HARBORS PROFILE 12
Ticket Date 11/14/2018
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
Manifest 128949OR
Profile 128949OR (LF02- Lead and PAH Soils)
Generator WA-CENTRAL VALLEY SCHOOL DIST CENTRAL VALLEY SCHOOL DISTRICT SPOKANE WA 990
PO# 128949OR

Carrier MIKE MADSEN MIKE MADSEN TRUCKING
Vehicle# PAUL
Container
Driver PAUL DICE
Check#
Billing# 0001732
Grid

	Time	Scale	Operator	Inbound		
In	11/14/2018 09:01:37	Scale1	rlabrec1		Gross	103240 lb
Out	11/14/2018 09:15:33	Scale1	rlabrec1		Tare	43500 lb
					Net	59740 lb
					Tons	29.87

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee Amount	Origin
1	Cont Soil Pet-RGC-Tons-C	100	29.87	Tons			SPOKANE
2	FEA-FUEL ENVIRONMENTAL A	100	29.87	Tons			SPOKANE
3	SRHD1-Spokane Regional H	100	29.87	Tons			SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

SPK 1805701012-009

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: WAH000055705

Manifest Document No.: CVTP-02

2. Page 1 of 1

3. Generator's Name and Mailing Address
Central Valley School Dist
47.660054-117132760
Spokane Valley WA 99016

4. Generator's Phone (509) 558-5476

Site Address : SAME

5. Transporter 1 Company Name: R Transport Inc

6. US EPA ID Number: WAH000028338

A. State Transporter's ID

B. Transporter 1 Phone (509) 765-3505

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Waste Management - Graham Road
1820 S. Graham Rd
Medical Lake, WA 99022

10. US EPA ID Number: TXNOTREORD31

E. State Facility's ID

F. Facility's Phone (509) 244-0151

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. WASTE NOT REGULATED BY DOT. (LEAD, PAH)	1	DT	20	T
b.				
c.				
d.				

GENERATOR

G. Additional Descriptions for Materials Listed Above
11a.128949OR

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Disposal PO# 18164357 3

EMERGENCY PHONE #: (800) 483-3718
GENERATOR: Central Valley School Dist

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date (Month / Day / Year)
Ben C. Smith	Ben Smith	11 / 27 / 18

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)
Paul Ferguson	Paul Ferguson	11 / 28 / 18

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date (Month / Day / Year)
11/28/18		

NON-HAZARDOUS WASTE

Graham Road Facility
1820 S. Graham Road
Medical Lake, WA, 99022 Ph: (509)244-0151

Original
Ticket# 580682

Customer Name CLEAN HARBORS PROFILE 12
Ticket Date 11/28/2018
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
Manifest 128949OR
Profile 128949OR (LF02- Lead and PAH Soils)
Generator WA-CENTRAL VALLEY SCHOOL DIST CENTRAL VALLEY SCHOOL DISTRICT SPOKANE WA 990
PO# 181043573

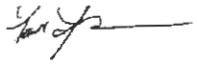
Carrier MIKE MADSEN MIKE MADSEN TRUCKING
Vehicle# PAUL
Container
Driver PAUL DICE
Check#
Billing# 0001732
Grid

	Time	Scale	Operator	Inbound	Gross	82440 lb
In	11/28/2018 08:43:17	Scale1	rlabrec1		Tare	43240 lb
Out	11/28/2018 09:01:03	Scale1	rlabrec1		Net	39200 lb
					Tons	19.60

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee Amount	Origin
1	Cont Soil Pet-RGC-Tons-C	100	19.60	Tons			SPOKANE
2	FEA-FUEL ENVIRONMENTAL A	100	19.60	Tons			
3	SRHD1-Spokane Regional H	100	19.60	Tons			

Total Tax/Fees
Total Ticket

Driver's Signature 

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.