CHEMICAL DATA MANAGEMENT SYSTEMS

May 3, 2015

Mark Detterman
Senior Hazardous Material Specialist
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1131 Harbor Bay Parkway, Suite 250
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Re:Economy Trucking Co., 3884 Depot Road, Hayward, CA

Dear Mark:

This letter is in response to your November 6, 2014 letter, which requested information on the subject site.

We chose to take an approach with a reduced set of sampling yet provide sufficient data to close the case. Attached you will find the details of our report, the findings, and conclusion. Please consider this report in your analysis to close this case.

We declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of our knowledge.

Best Regards,

James N. Carro

Fredric Hoffman
Professional Geologist #3929
Certified Hydrogeologist #83

Copy: Kevin Singh, Economy Trucking
Attachment: Economy Trucking Report.

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CHEMICAL DATA MANAGEMENT SYSTEMS

Economy Trucking Report May 2015
3884 Depot Road, Hayward CA

This report is a review of currently available documentation beginning in 2001 and the results of recent investigations by CDMS regarding quality of soil and ground water at 3884 Depot Road, Hayward, CA. The site was owned by AAA Truck Parts and operated as an auto parts salvage site from 1960 to 2014. In 2014, the site was sold to Economy Trucking, who currently leases the property to a pallet company and have longer term plans to operate an industrial facility at the site.

Geology and Hydrogeology

The site is in the east-central alluvial plain of the San Francisco Bay physiographic subregion and is underlain by a thick layer of Quaternary alluvium. (Fig. 1 *Area Map*)

Geology: Three shallow monitor wells were installed at the end of 2002 and reported by Engeo in 2003. Two of the wells were installed on the subject property and the third on the property immediately to the east, which was leased by AAA Truck Parts. 2.25 to 2.75 feet of gravelly fill was logged overlying an approximately 4-foot thick clay layer. Soil consisting of varying percentages of silts, clays, and sands was logged beneath the clay layer. Engeo. 2003[1].

Hydrogeology: In the wells installed by Engeo in Dec. 2002, Engeo. 2003. ground water was encountered between 8 and 9 feet below ground surface. Water elevations from the monitor wells taken in 2003 indicate a NNW flow direction. Data from the sediment samples taken during the soil borings, and from the installation of the monitor wells indicate that the ground water was protected from contamination at the surface by the four-foot thick clay layer.

Land Use: The site is located in an area used for light-industrial, commercial office, automotive salvage, sewage treatment plant, gas-fired power generation and salt ponds. At the time of this writing, the site is in use as a wooden pallet fabrication, storage, and transfer site.

[1] Engeo 2003 & Engeo Dec 2002 are protected documents and can not be merged into this document. Refer to the Alameda County website to obtain access to them.

Surface Water: The nearest surface water is a slough just north and west of the site that flows to San Francisco Bay less than a mile to the west.

Historic Investigation: The site was used for decades as an automotive salvage yard creating the potential for soil and ground water contamination with automotive fluids and fuels. Hazardous waste was collected in containers and drums and stored on a concrete slab. In 2001, in response to a reported spill, 8 shallow soil borings were conducted and labeled P-1 through P-8.(Engeo. 2002)[2]. Following the analytical results from the samples collected, three monitor wells were installed in 2002. One of the wells was installed near the hazardous waste storage area (MW-1), another was drilled in an area of suspicious soil staining (MW-2), and the third was drilled on property leased by AAA Truck Parts immediately east of the property (MW-3). (Engeo Report 7-03)[3]. When that property was closed the well was destroyed and sealed. None of the soil sampled during the installation of the wells contained contaminants above the ESLs. Water samples taken from the wells in 2003 also contained contaminants below the ESLs. Currently, all of the automotive salvage materials have been removed from the site, the property has been sold, and the site is in use as a wooden pallet fabrication, storage, and transfer site.

Current Investigation: After discussions with the Alameda County Environmental Health staff, 26 soil samples were taken at 9 locations throughout the site at 6 inches and 12 inches below the surface. These locations are associated with the former Hazardous Waste Storage Slab, the former Southern Parts Storage Area, the former Central Parts Storage Area, and the former Brake and Manifold Storage Racks. (Fig. *#2, 3884 Depot Road Site Map*).

On January 13, 2015 soil sampling was conducted with a hand-sampling device. The device was not effective in all locations and was frequently met with refusal. The sampling was repeated on February 12, 2015 with a direct push rig.

Ground water elevations in MW-1 and MW-2 were approximately 5 feet below the ground surface. Samples were taken from these wells on January 13, 2015 and again on February 12, 2015.

Near Surface Soil Investigations

[2] Engeo 2003 & Engeo Dec 2002 are protected documents and can not be merged into this document. Refer to the Alameda County website to obtain access to them.

[3] Engeo 2003 & Engeo Dec 2002 are protected documents and can not be merged into this document. Refer to the Alameda County website to obtain access to them.

Southern Former Hazardous Waste Storage Slab

The former hazardous waste storage slab is located in the southwest portion of the property immediately east of MW-1. Twelve soil samples were taken from four locations surrounding the slab. Of those twelve samples, eight and were analyzed for total petroleum hydrocarbons, 4 were analyzed for LUFT metals, and all were analyzed for Zinc. Samples labeled Z6 were taken from within 2 feet off the north end of the slab, the Z7 samples within 2 feet of the east edge of the slab, the Z8 samples within 2 feet of the south end of the slab and the Z9 samples from within 2 feet of the west edge of the slab. The results are shown in TABLES 1 and 2.

The analyses of the samples taken to the north of the slab (Z6 samples) indicated no total petroleum hydrocarbons above the ESLs, and zinc was the only metal that was present at low levels, but above the ESL. The highest level was 1000mg/Kg.

The Z7 samples taken from the east of the slab contained low levels of petroleum hydrocarbons above the ESLs. The highest level was 2900mg/Kg of TPH motor oil in the sample taken from 12" below the surface. This sample also contained 2000 mg/Kg TPH diesel, but Tracy Babjar, the Project Manager from Curtis & Tompkins Lab, reported that the chromatogram looked more like a weathered motor oil signature than diesel.

One of the Z8 samples taken from the south of the slab contained TPH motor oil above the ESL at 1700 mg/Kg and the sample taken from 12" below the ground surface contained petroleum hydrocarbons below the ESLs. The two samples taken from the 6" depth contained zinc below the ESL, and the sample from 12" was above the ESL at 1000 mg/Kg.

The two Z9 samples taken from the west of the slab contained TPH diesel above the ESL and the 6" sample contained TPH motor oil just above the ESL. The Z9 samples taken from 6" contained zinc above the ESL at 1100 mg/Kg and the sample taken from 12" was below the ESL.

Sample P-3 located a few feet west of sample Z9 taken during the investigation in 2002 contained no petroleum hydrocarbons above the ESLs, but did contain Zinc at 1100mg/Kg above the ESL of 600mg/Kg. (TABLES 3 and 4).

Southern Parts Storage Area

The southern parts storage area is located in the south central portion of the site. Both of the samples from 6" and 12" contained TPH motor oil above the ESLs at 2100 and 2200

respectively. In addition the 6" sample contained zinc above the ESL at 820 mg/Kg. (TABLES 1 and 2).

The P-7 sample taken in 2002 contained TPH motor oil above the ESL at 2400 mg/Kg at 1' and 1100 mg/Kg at 3'. (TABLE 3).

Central Outdoor Parts Storage Area

The central outdoor storage parts area, as shown on the Site Plan from the 2002 Engeo report, includes two part storage areas and an enclosed hazardous waste storage facility that sat on a concrete slab.

The Z3 samples from 6" and 12" both contained TPH motor oil above the ESL at 1100 and 4400 respectively and the Z4 samples contained TPH motor oil above the ESL at 1600 and 1200 respectively. None of the samples contained metals above the ESLs. (TABLES 1 AND 2).

Of the samples taken in 2002, P-2 taken at 1' contained TPH diesel and TPH motor oil above the ESLs at 1100 and 7900 respectively and contained metals below the ESLs. The P-2 sample taken at 3' contained petroleum hydrocarbons below the ESLs. The analyses of the P-5 sample were below the ESLs for both petroleum hydrocarbons and metals. The TPH and metals analyses of the P-6 sample indicated that only zinc was above the ESLs at 1800 mg/Kg. (TABLES 3 and 4).

Brake and Manifold Storage Racks

The brake and manifold storage racks were located in the northwest central portion of the site.

Of the 5 samples analyzed for metals from this location, only the Z1 sample taken from 1' below the ground surface contained zinc above the ESLs. (TABLE 2).

Monitor Well Observations 2014/2015

In March 2014, Jim Carro and Fred Hoffman, representing CDMS visited the site. The property owner was in the process of clearing all equipment from the site in preparation for a property sale. At that time MW-1 was in a covered Christie Box and MW-2 had pumping equipment installed. The pumping equipment consisted of a pump at the surface

and an intake pipe running down the open well casing. The owner stated that they were using the water from the well as a non-potable water source. We informed the owner that that was not an appropriate use of a monitor well and that the wellhead must be secured.

In December 2014, Jim Carro and Fred Hoffman visited the site. The property was under new ownership and a wooden pallet company was a tenant at the site. MW-1 had pumping equipment installed, consisting of a pump at the surface and an intake pipe running down the open well casing and the tenant stated that they were using the water for dust suppression. We informed the owner that that was not an appropriate use of a monitor well and that the wellhead must be secured. At that time MW-2 was obscured under a stack of pallets.

On January 12, 2015 a team from CDMS visited the site to take sediment and water samples in accordance with a plan approved by the Alameda County Environmental Health Services. MW-1 was in a covered Christy Box, but there was no cap on the well casing and there was an inch of standing water inside the box. Initial water pumped from the well was slightly cloudy and cleared after 5 gallons were pumped. Temp, pH, and EC were measured at 5 gallon intervals and samples were taken after 25 gallons had been pumped.

MW-2 was found in a covered Christy Box but there was no cap on the well casing. There was red staining on the ground around the well and inside the box. The well casing was colored a uniform bright red and a notch was broken out of the top of the casing down to the ground surface at the bottom of the box. The initial water pumped from the well was black, gray at 5 gallons, pink at 10 gallons, cloudy at 15 gallons, and then ran clear. Temp, pH, and EC were measured at 5 gallon intervals, until the TDS exceeded the range of the instrument (2000 ppm TDS) at 15 gallons and samples were taken at 30 gallons.

At a meeting with the owner and the tenant, the tenant explained that shortly after he moved to the site, he attempted to pump water from MW-2, to use for dust suppression, using a pump found on site. When the pump was activated it discharged a small amount of red paint in the vicinity of the wellhead. He stated that he immediately shut down the pump and abandoned its use. He speculated that the pump in question had been used as a paint transfer pump, but there was no external sign that that was the case. We again informed the owner of the need to cap and secure the wellheads, and he promptly installed caps on the well casings and padlocks on the Christy Boxes.

In an effort to determine how much damage had been done to the ground water in the vicinity of MW-2, on February 12, 2015, CDMS pumped 300 gallons from MW-1 and MW-2 respectively into a tanker truck provided by the owner. MW-2 briefly ran pink and then clear. Samples were taken at the conclusion of the pumping and the analyses of these samples is reported in Table 7 and 8.

Ground Water Quality Investigations

Analyses of ground water samples from MW-1 and MW-2 indicated that LUFT metals were either non-detect or below the ESLs (TABLE 8). This was also true of the analyses of samples taken from the wells in 2003 (TABLE 8), and of the grab water samples taken during the installation of the wells in 2002 (TABLE 9).

Ground water grab samples taken during the installation of MW-1 in 2001, contained TPH diesel and TPH motor oil above the ESLs (TABLE 10). When ground water samples were taken from the constructed wells they were below the ESLs or non-detect for petroleum hydrocarbons (TABLE 7). This could indicate that the petroleum hydrocarbons detected in the ground water grab samples resulted from being drawn down to the ground water from the surface during the drilling process.

In 2015 ground water samples taken from MW-1 and MW-2 contain petroleum hydrocarbons above the ESLs ranging from 2200 to 4300 ug/L (TABLE 7). The laboratory report shows results above the ESLs for TPH diesel and TPH motor oil with a flag on the TPH diesel. The flag indicates that the TPH diesel chromatogram does not resemble the standard chromatogram for TPH diesel, but more resembles the TPH motor oil standard. The chromatograms of the samples are shown in the Laboratory Report in Appendix 1, and the standard chromatograms for the TPH diesel and TPH motor oil are shown in Appendix 2.

Conclusions

The analyses of the soil samples taken from the near surface throughout the site indicate that there is spotty contamination of the soils above the ESLs for petroleum hydrocarbons and zinc, but not at concentrations that would indicate that there has been a major release of these contaminants at the site. In addition, with the exception of the analyses for TPH

gasoline, no volatile organic compounds were detected in either the soil or the ground water.

Since the site meets all the criteria of the San Francisco Regional Water Quality Control Board's Supplemental Instructions to State Water Board December 8, 1995, Interim Guidance on Required Cleanup at Low-Risk Fuel Sites, issued in January 1996, no further action is required regarding the soils at the site. A comparison of the status of the site with Interim Guidance is provided in Appendix A.The hydrocarbons can be expected to continue to undergo natural biodegradation in place.

The ground water contained no petroleum hydrocarbons when the monitor wells were installed in 2002, probably protected from the decades of salvage yard activities by the 4 to 4.5 foot clay layer which begins at 2 feet below the ground surface. Given the observed lack of wellhead security, of unknown duration, it is possible that the ground water became contaminated with petroleum hydrocarbons leached from the surface and near-surface by storm waters which then flowed down the unsecured monitor wells.

We propose to destroy and seal MW-1 and MW-2 eliminating the possible conduit for contamination to the ground water. By eliminating the source of contamination the ground water can be allowed to naturally biodegrade under the Regional Board's Guidance for Low-Risk Fuel Sites.

Regards,

James N. Carro

Fredric Hoffman
Professional Geologist #3929
Certified Hydrogeologist #83

TABLES

TABLE 1. Soil Samples: Organics (mg/kg)

Date	Sample ID	Inches deep	Diesel	Diesel RL	Motor Oil	Motor Oil RL	Gas	Gas RL
ESL			**110**		**500**		**500**	
2/12/15	Z3-1	6”	110	10	1100	50	NA	NA
2/12/15	Z3-2	12”	990	9.9	4400	50	NA	NA
2/12/15	Z4-1	6”	340	20	1600	100	NA	NA
2/12/15	Z4-2	12”	390	5	1200	25	NA	NA
2/12/15	Z5-1	6”	240	20	2100	100	NA	NA
2/12/15	Z5-2	12”	290	20	2200	100	NA	NA
2/12/15	Z6-1	6”	60	1	280	5	NA	NA
2/12/15	Z6-2	12”	81	1	260	5	NA	NA
2/12/15	Z7-1	6”	190	20	860	100	NA	NA
2/12/15	Z7-2	12”	2000	20	2900	100	NA	NA
2/12/15	Z8-1	6”	340	10	1700	50	NA	NA
2/12/15	Z8-2	12”	100	5	410	25	NA	NA
2/12/15	Z9-1	6”	1900	5	700	25	2.9	.93
2/12/15	Z9-2	12”	680	5	240	25	1.2	.91

See Appendix 1 &2

TABLE 2 Soil Samples: LUFT Metals (mg/kg)

Date	Sample ID	Inches deep	Cd	Cd RL	Cr	Cr RL	Pb	Pb RL	Ni	Ni RL	Zn	Zn RL
ESL			**12**		**2500**		**320**		**150**		**600**	
1/13/15	Z1-1	6”	.64	.24	44	.24	28	.24	46	.24	87	.94
2/12/15	Z1-1	6”	.75	.23	32	.23	8.1	.23	40	.23	44	.93
2/12/15	Z1-2	12”	5.1	.26	910	26	300	.26	55	.26	1900	100
2/12/15	Z2-1	6”	1.8	.23	53	.23	100	.23	55	.23	150	.91
2/12/15	Z2-2	12”	.97	.26	34	.26	29	.26	31	.26	76	1
1/13/15	Z3-1	6”	.6	.25	63	.25	19	.25	77	.25	59	1
2/12/15	Z3-1	6”	.82	.28	110	.28	15	.28	130	.28	46	1.1
2/12/15	Z3-2	12”	3.7	.27	50	.27	22	.27	40	.27	230	1.1
1/13/15	Z4-1	6”	5.2	.27	490	.27	190	.27	61	.27	180	110
2/12/15	Z4-1	6”	2.7	.24	93	.24	210	.24	41	.24	420	.97
2/12/15	Z4-2	12”	3.3	.25	650	25	90	.25	63	.25	460	1
1/13/15	Z5-1	6”	4.1	.27	200	.27	350	.27	44	.27	820	110
2/12/15	Z5-1	6”	.71	.27	43	.27	10	.27	56	.27	51	1.1
2/12/15	Z5-2	12”	1.4	.25	780	25	34	.25	31	.25	190	1
1/13/15	Z6-1	6”	2	.26	440	.26	100	.26	34	.26	920	100
2/12/15	Z6-1	6”	NA	NA	NA	NA	NA	NA	NA	NA	1000	110
2/12/15	Z6-2	12”	NA	NA	NA	NA	NA	NA	NA	NA	970	110
1/13/15	Z7-1	6”	1.6	.25	110	.25	120	.25	61	.25	180	.99
1/13/15	Z7.2-1	6”	.7	.23	48	.23	49	.23	79	.23	84	.91
2/12/15	Z7-1	6”	NA	NA	NA	NA	NA	NA	NA	NA	110	.92
2/12/15	Z7-2	12”	NA	NA	NA	NA	NA	NA	NA	NA	130	.93
1/13/15	Z8-1	6”	5.1	.24	160	.24	340	.24	52	.24	640	.95
2/12/15	Z8-1	6”	NA	NA	NA	NA	NA	NA	NA	NA	30	1.1
2/12/15	Z8-2	12”	NA	NA	NA	NA	NA	NA	NA	NA	1000	110
2/12/15	Z9-1	6”	NA	NA	NA	NA	NA	NA	NA	NA	1100	95
2/12/15	Z9-2	12”	NA	NA	NA	NA	NA	NA	NA	NA	320	1

See Appendix 1 & 2

TABLE 3. Soil Samples-P Series: Organics (mg/kg)

Date	Sample ID	Depth (Ft)	Diesel	Diesel RL	Motor Oil	Motor Oil RL	Gas	Gas RL
ESL			**110**		**500**		**500**	
1/4/02	1-1	1	ND	1	ND	5	ND	1
1/4/02	2-1	1	1100	1	7900	5	1.7	1
1/4/02	2-2	3	19	1	65	5	ND	1
1/4/02	3-1	1	67	1	400	5	ND	1
1/4/02	4-1	1	23	1	160	5	ND	1
1/4/02	5-1	1	2.5	1	51	5	ND	1
1/4/02	6-1	1	9.2	1	56	5	ND	1
1/4/02	7-1	1	140	1	2400	5	ND	1
1/4/02	7-2	3	68	1	1100	5	ND	1
1/4/02	8-1	1	59	1	130	5	ND	1
1/4/02	8-2	3	ND	1	ND	5	ND	1

See Engeo Inc. Jan, 4, 2002. Report on Site Characterization

TABLE 4. Soil Samples-P Series: LUFT Metals (mg/kg)

Date	Sample ID	Depth (Ft)	Cd	Cd RL	Cr	CR RL	Pb	Rb RL	Ni	Ni RL	Zn	Zn RL
ESL			**12**		**2500**		**320**		**150**		**600**	
1/4/02	1-1	1	ND	.5	38	.5	7.4	3	44	2	50	1
1/4/02	2-1	1	4.1	.5	61	.5	230	3	36	2	300	1
1/4/02	3-1	1	1	.5	390	.5	100	3	32	2	1100	1
1/4/02	3-2	3	ND	.5	23	.5	9.6	3	21	2	36	1
1/4/02	4-1	1	2.1	.5	61	.5	110	3	34	2	320	1
1/4/02	5-1	1	ND	.5	48	.5	13	3	32	2	88	1
1/4/02	6-1	1	2.5	.5	260	.5	310	3	40	2	1800	1
1/4/02	6-2	3	ND	.5	19	.5	16	3	21	2	47	1
1/4/02	7-1	1	1.2	.5	27	.5	150	3	28	2	170	1
1/4/02	8-1	1	0.74	.5	220	.5	60	3	51	2	500	1

See Engeo Inc. Jan, 4, 2002. Report on Site Characterization

TABLE 5. Boring Soil Samples: Organics (mg/kg)

Date	Sample ID	Depth (Ft)	Diesel	Diesel RL	Motor Oil	Motor Oil RL	Gas	Gas RL
ESL			**110**		**500**		**500**	
7/15/03	1-2	7.0-7.5	27	1	27	5	27	1
7/15/03	2-2	7.0-7.5'	ND	1	ND	5	ND	1
7/15/03	3-2	7.0-7.5	ND	1	ND	5	ND	1

See Engeo Inc. July, 15, 2003.Groundwater Monitoring Well Installation

TABLE 6. Boring Soil Samples: LUFT Metals (mg/kg)

Date	Sample ID	Depth (Ft)	Cd	Cd RL	Cr	Cr RL	Pb	Pb RL	Ni	Ni RL	Zn	Zn RL
ESL			**12**		**2500**		**320**		**150**		**600**	
7/15/03	1-2	7.0-7.5	ND	.5	30	.5	12	3	32	2	64	1
7/15/03	2-2	7.0-7.5	ND	.5	40	.5	8.8	3	51	2	55	1
7/15/03	3-2	7.0-7.5	ND	.5	23	.5	4.8	3	34	2	36	1

See Engeo Inc. July, 15, 2003.Groundwater Monitoring Well Installation

TABLE 7. Water Samples: Organics (ug/L)

Date	Sample ID	Diesel	Diesel RL	Motor Oil	Motor Oil RL	Gas	Gas RL
ESL		**640**		**640**		**500**	
7/15/03	MW1	76	50	ND	300	ND	.5
1/13/15	MW1	2400	50	4300	300	42	.5
2/12/15	MW1	3500	50	3800	300	40	.5
7/15/03	MW2	ND	50	ND	300	ND	.5
1/13/15	MW2	3100	50	3400	300	9.3	.5
2/12/15	MW2	2600	50	2200	300	17	.5
7/15/03	MW3	53	50	ND	300	ND	.5

See Appendix 1, 2 & 2003 Analyses from Engeo Inc. July, 15, 2003.Groundwater Monitoring Well Installation

TABLE 8. Water Samples: LUFT Metals (ug/L)

Date	Sample ID	Cr	Cr RL	Ni	Ni RL	Zn	Zn RL
ESL		**2500**		**150**		**600**	
7/15/03	MW1	ND	5	ND	5	ND	20
1/13/15	MW1	ND	5	ND	5	81	20
7/15/03	MW2	ND	5	ND	5	ND	20
1/13/15	MW2	11	5	8.9	5	68	20
7/15/03	MW3	ND	5	ND	5	ND	20

See Appendix 1 & Engeo Inc. July, 15, 2003.Groundwater Monitoring Well Installation

TABLE 9. Ground water grab samples LUFT Metals (ug/L)

Date	Sample ID	Cd	CD RL	Cr	CR RL	Pb	Pb RL	Ni	Ni RL	Zn	Zn RL
ESL		.25		180		2.5		8.2		81	
1/4/02	GW-1	ND	0.5	ND	0.5	ND	3	ND	2	ND	1
1/4/02	GW-2	ND	0.5	ND	0.5	ND	3	ND	2	ND	1
1/4/02	GW-3	ND	0.5	ND	0.5	ND	3	ND	2	ND	1

See Engeo Inc. Jan, 4, 2002. Report on Site Characterization

TABLE 10. Ground Water gab samples: Organics (ug/L)

Date	Sample ID	Diesel	Diesel RL	Motor Oil	Motor Oil RL	Gas	Gas RL
ESL		**640**		**640**		**500**	
1/4/02	GW-1	1900	50	9500	250	ND	50
1/4/02	GW-2	ND	50	ND	250	ND	50
1/4/02	GW-3	1500	50	2200	250	2200	50

See Engeo Inc. Jan, 4, 2002. Report on Site Characterization

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Appendix A
Guidance on Required Cleanup at Low Risk Fuel Sites

Evaluation of the site at 3884 Depot Road, Hayward, CA in accordance with the RWQCB's "Supplemental Instructions to State Water Board December 8, 1995 interim Guidance on Required Cleanup at Low Risk Fuel Sites"

Shallow ground water exists at 5-10 feet below ground surface and there are no drinking water wells within a mile of the site.

LOW RISK CASE DEFINITIONS

1) **The leak has been stopped and ongoing sources, including free product, removed or remediated.**
The site has been cleared of all sources of petroleum hydrocarbons. The shallow soils at the site do contain scattered low levels of hydrocarbons above the ESLs. There is a 4 foot thick clay layer between the surface soils and the ground water acting as a barrier to vertical migration of the remaining hydrocarbons at the surface. The monitor wells at the site may act as a vertical conduit for these contaminants and the report recommends that they be sealed and destroyed.

2) **The site has been adequately characterized.**
The hydrogeology of the site has been adequately characterized. Three monitor wells and shallow soil borings at 18 locations have been advanced over the years of investigation. The 4 foot clay layer appears to be ubiquitous, the remaining hydrocarbons in the shallow soil are at lower concentrations than they were in 2004, and the concentrations of hydrocarbons in the remaining monitor wells are similar to the concentrations in MW-3 when it was destroyed.

3) **Little or no groundwater impact currently exists and no contaminants are found at levels above established MCLs or other applicable water quality objectives. The dissolved hydrocarbon plume is not migrating.**

The dissolved hydrocarbon plume is above the ESLs but at a low level. Sealing of the remaining monitor wells is expected to allow the remaining hydrocarbons to naturally degrade.

4) **No water wells, deeper drinking water aquifers, or other sensitive receptors are likely to be impacted.**
There are no water wells within a mile of the site and no other sensitive receptors are likely to be impacted.

5) **The site presents no significant risk to human health.**
The remaining hydrocarbons in the shallow soil and in the shallow ground water are expected to degrade and there is no conduit to impact human health.

6) **The site presents no significant risk to the environment.**
The remaining hydrocarbons in the shallow soil and shallow ground water are at low levels, are expected to degrade and present no significant risk to the environment.

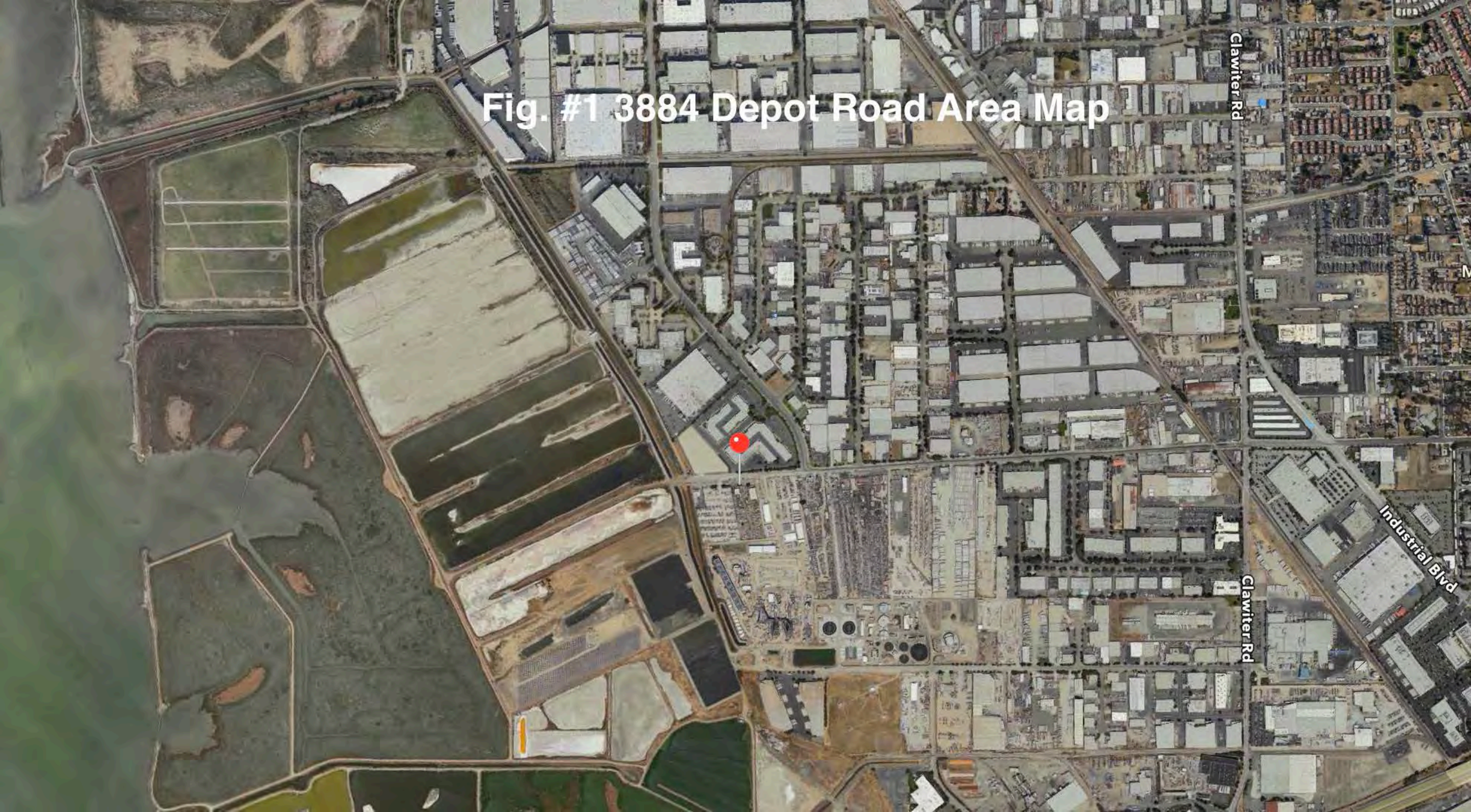

Fig. #1 3884 Depot Road Area Map

Fig. #2, Site Map

Yellow circles are sampling points.
Red circles are existing wells.


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Analytical Laboratories, Since 1878

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 264663
ANALYTICAL REPORT

Chemical Data Management Systems
6515 Trinity Court
Dublin, CA 94568

Project : STANDARD
Location : Economy Trucking
Level : II

Sample ID	Lab ID
Z4-1 (0"-6")	264663-001
Z4-2 (6"-12")	264663-002
Z5-1 (0"-6")	264663-003
Z5-2 (6"-12")	264663-004
Z7-1 (0"-6")	264663-005
Z7-2 (6"-12")	264663-006
Z8-1 (0"-6")	264663-007
Z8-2 (6"-12")	264663-008
Z9-1 (0"-6")	264663-009
Z9-2 (6"-12")	264663-010
Z6-1 (0"-6")	264663-011
Z6-2 (6"-12")	264663-012
Z3-1 (0"-6")	264663-013
Z3-2 (6"-12")	264663-014
Z1-1 (0"-6")	264663-015
Z1-2 (6"-12")	264663-016
Z2-1 (0"-6")	264663-017
Z2-2 (6"-12")	264663-018
MW2	264663-019
MW1	264663-020

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: Tracy Babjar Date: 02/24/2015

Tracy Babjar
Project Manager
tracy.babjar@ctberk.com
(510) 204-2226

CA ELAP# 2896, NELAP# 4044-001

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**264663**
Client:	**Chemical Data Management Systems**
Location:	**Economy Trucking**
Request Date:	**02/12/15**
Samples Received:	**02/12/15**

This data package contains sample and QC results for eighteen soil samples and two water samples, requested for the above referenced project on 02/12/15. The samples were received cold and intact.This report was revised on 02/25/15 to include Nickel results for the water samples. Some sample preservation was done upon receipt; see the attached receipt form.

TPH-Purgeables and/or BTXE by GC (EPA 8015B) Water:
No analytical problems were encountered.

TPH-Purgeables and/or BTXE by GC (EPA 8015B) Soil:
No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B) Water:
No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B) Soil:
Many samples were diluted due to the dark and viscous nature of the sample extracts. No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Metals (EPA 6010B) Water:
No analytical problems were encountered.

Metals (EPA 6010B) Soil:
Low recovery was observed for lead in the MS of Z4-1 (0"-6") (lab # 264663-001); the BS/BSD were within limits. High recovery was observed for chromium in the MSD of Z4-1 (0"-6") (lab # 264663-001); the BS/BSD were within limits, and the associated RPD was within limits. High RPD was observed for lead and zinc in the MS/MSD of Z4-1 (0"-6") (lab # 264663-001); the RPD was acceptable in the BS/BSD. No other analytical problems were encountered.

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2323 Fifth Street
Berkeley, CA 94710

Phone (510) 486-0900
Fax (510) 486-0532

C&T LOGIN # 264633

Chain of Custody # _____

Project No: _____ Sampler: Jim Carro

Project Name: economy trucking Report To: Jim Carro

Project P. O. No: _____ Company: CDMS

EDD Format: _____ Report Level ☐ II ☐ III ☐ IV Telephone: (925) 551-7300

Turnaround Time: ☐ RUSH _____ ☒ Standard Email: Jim@cdms.com

Lab No.	Sample ID.	SAMPLING		MATRIX				# of Containers	CHEMICAL PRESERVATIVE					ANALYTICAL REQUEST
		Date Collected	Time Collected	Water	Solid				HCl	H2SO4	HNO3	NaOH	None	
13	Z3-1 (0'-6")	2/12/15	11:25		X			1					X	
14	Z3-2 (6"-12")	2/12/15	11:25		X			1					X	
15	Z1-1 (0'-6")	2/12/15	11:30		X			1					X	
16	Z1-2 (6'-12")	2/12/15	11:30		X			1					X	
17	Z2-1 (0"-6")	2/12/15	11:51		X			1					X	
18	Z2-2 (6"-12")	2/12/15	11:51		X			1					X	
19	MW2		13:10	X				2	X				X	
20	MW2		13:10	X				3	X					
21	MW2		13:10	X				3	X					
22	MW2		13:10	X				1					X	

19

ANALYTICAL REQUEST: LUFT 5 Metals; TPH Gas 8015; TPH Diesel 8015; TPH Motor oil; Zinc; VOC (Benzene, Toluene, Ethylbenzene, BTEX); VOC (MTBE, naphthalene); Nickel

Notes:

SAMPLE RECEIPT
☐ Intact
☐ Cold
☒ On Ice
☐ Ambient

RELINQUISHED BY:
Kayla Griffin DATE: 2/12/15 TIME: 15:05
DATE: TIME:
DATE: TIME:

RECEIVED BY:
DATE: 2/12/15 TIME: 1505
DATE: TIME:
DATE: TIME:

CHAIN OF CUSTODY

Page 3 of 3

Chain of Custody #

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C&T LOGIN # 264633

2323 Fifth Street
Berkeley, CA 94710

Phone (510) 486-0900
Fax (510) 486-0532

Project No:
Project Name: Economy trucking
Project P. O. No:
EDD Format: Report Level ☐ II ☐ III ☐ IV
Turnaround Time: ☐ RUSH ☒ Standard

Sampler: Jim Curro
Report To: Jim Curro
Company: CDMS
Telephone: 925 551-7300
Email: jim@cdms.com

Lab No.	Sample ID.	SAMPLING: Date Collected	SAMPLING: Time Collected	MATRIX: Water	MATRIX: Solid	MATRIX	MATRIX	# of Containers	CHEMICAL PRESERVATIVE: HCl	H2SO4	HNO3	NaOH	None	ANALYTICAL REQUEST: TPH Diesel 8015	TPH Gas 8015	TPH Motor oil	Zinc	V.X (ethylbenzene, BTCX)	VOX (MTBE, naphthalen)	VOX (Benzene, toluene)
23	mw1	2/12/15	1345	X				2					X	X		X				
24	mw 1	2/12/15	13:45	X				3	X						X					
25	mw 1	2/12/15	13:45	X				3	X									X	X	X
26	mw 1	2/12/15	13:45	X				1					X				X			

20

Notes:

SAMPLE RECEIPT
☐ Intact
☐ Cold
☒ On Ice
☐ Ambient

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:
Kaylin Griffin	2/12/15	15 05	[signature]	2/12/15	1505

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 264663 Date Received 2/12/13 Number of coolers 1
Client CDM Project Economy Trucking

Date Opened 2/12 By (print) FJ (sign)
Date Logged in 2/13 By (print) FJ (sign)

1. Did cooler come with a shipping slip (airbill, etc) YES (NO)
   Shipping info
2A. Were custody seals present? .... ☐ YES (circle) on cooler on samples ☒ NO
   How many Name Date
2B. Were custody seals intact upon arrival? YES NO (N/A)
3. Were custody papers dry and intact when received? (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)? YES NO
5. Is the project identifiable from custody papers? (If so fill out top of form) YES NO
6. Indicate the packing in cooler: (if other, describe)

   ☐ Bubble Wrap ☐ Foam blocks ☐ Bags ☒ None
   ☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels
7. Temperature documentation: * Notify PM if temperature exceeds 6°C

   Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None Temp(°C)

   ☐ Samples Received on ice & cold without a temperature blank; temp. taken with IR gun

   ☒ Samples received on ice directly from the field. Cooling process had begun
8. Were Method 5035 sampling containers present? YES (NO)
   If YES, what time were they transferred to freezer?
9. Did all bottles arrive unbroken/unopened? (YES) NO
10. Are there any missing / extra samples? YES (NO)
11. Are samples in the appropriate containers for indicated tests? (YES) NO
12. Are sample labels present, in good condition and complete? (YES) NO
13. Do the sample labels agree with custody papers? (YES) NO
14. Was sufficient amount of sample sent for tests requested? (YES) NO
15. Are the samples appropriately preserved? YES (NO) N/A
16. Did you check preservatives for all bottles for each sample? (YES) NO N/A
17. Did you document your preservative check? (YES) NO N/A
18. Did you change the hold time in LIMS for unpreserved VOAs? YES NO (N/A)
19. Did you change the hold time in LIMS for preserved terracores? YES NO (N/A)
20. Are bubbles > 6mm absent in VOA samples? YES NO (N/A)
21. Was the client contacted concerning this sample delivery? YES (NO)
   If YES, Who was called? By Date:

COMMENTS
(5) Transferred & Preserved -019 & -020
(w) HNO_3 (5770) on 2/13/13 @ 1600 to pH<2

Rev 10, 9/12

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Berkeley, CA 94710

Phone (510) 486-0900
Fax (510) 486-0532

C&T LOGIN # 264633

Page 1 of 3

Chain of Custody # ____

Project No:
Project Name: Economy trucking
Project P. O. No:
EDD Format: Report Level ☐ II ☐ III ☐ IV
Turnaround Time: ☐ RUSH ☒ Standard

Sampler: Jim Carro
Report To: Jim Carro
Company: CDMS
Telephone: 925-551-7300
Email: jim@cdms.com

	Lab No.	Sample ID.	Date Collected	Time Collected	Water	Solid			# of Containers	HCl	H2SO4	HNO3	NaOH	None	WET 5 metals	TPH Gas 8015	TPH Diesel 8015	TPH Motor oil	Zinc
1	1	Z4-1 (0"-6")	2/12/15	10:00 Am		X			1					X	X	X	X	X	
2	2	Z4-2 (6"-12")	2/12/15	10:00 Am		X			1					X	X	X	X	X	
3	3	Z5-1 (0"-6")	2/12/15	10:25 Am		X			1					X	X	X	X	X	
4	4	Z5-2 (6"-12")	2/12/15	10:25 Am		X			1					X	X	X	X	X	
5	5	Z7-1 (0"-6")		10:50		X										X	X	X	X
6	6	Z7-2 (6"-12")		10:50		X										X	X	X	X
7	7	Z8-1 (0"-6")		10:45		X										X	X	X	X
8	8	Z8-2 (6"-12")		10:45		X										X	X	X	X
9	9	Z9-1 (0"-6")		11:10		X										X	X	X	X
10	10	Z9-2 (6"-12")		11:10		X										X	X	X	X
11	11	Z6-1 (0"-6")		11:00		X										X	X	X	X
12	12	Z6-2 (6"-12")		11:00		X										X	X	X	X

Notes:

SAMPLE RECEIPT
☐ Intact
☐ Cold
☒ On Ice
☐ Ambient

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Kayla Griffin	2/12/15	15:05	[signature]	2/12/15	1505

Curtis & Tompkins Sample Preservation for 264663

Sample	pH: <2	>9	>12	Other
-019a	[ ]	[ ]	[ ]	_____
b	[ ]	[ ]	[ ]	_____
c	[ ]	[ ]	[ ]	_____
d	[ ]	[ ]	[ ]	_____
e	[ ]	[ ]	[ ]	_____
f	[ ]	[ ]	[ ]	_____
g	[ ]	[ ]	[ ]	_____
h	[ ]	[ ]	[ ]	_____
i	[ ]	[ ]	[ ]	_____
j	[X]	[ ]	[ ]	_____
-020a	[ ]	[ ]	[ ]	_____
b	[ ]	[ ]	[ ]	_____
c	[ ]	[ ]	[ ]	_____
d	[ ]	[ ]	[ ]	_____
e	[ ]	[ ]	[ ]	_____
f	[ ]	[ ]	[ ]	_____
g	[ ]	[ ]	[ ]	_____
h	[ ]	[ ]	[ ]	_____
i	[ ]	[ ]	[ ]	_____
j	[✓]	[ ]	[ ]	_____

Analyst: FO
Date: 2/13/15

Curtis & Tompkins, Ltd.

Detections Summary for 264663

Results for any subcontracted analyses are not included in this summary.

Client : Chemical Data Management Systems
Project : STANDARD
Location : Economy Trucking

Client Sample ID : Z4-1 (0"-6") Laboratory Sample ID : 264663-001

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Diesel C10-C24	340	Y	20	mg/Kg	As Recd	20.00	EPA 8015B	EPA 3550B
Motor Oil C24-C36	1,600		100	mg/Kg	As Recd	20.00	EPA 8015B	EPA 3550B
Cadmium	2.7		0.24	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Chromium	93		0.24	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Lead	210		0.24	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Nickel	41		0.24	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Zinc	420		0.97	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B

Client Sample ID : Z4-2 (6"-12") Laboratory Sample ID : 264663-002

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Diesel C10-C24	390	Y	5.0	mg/Kg	As Recd	5.000	EPA 8015B	EPA 3550B
Motor Oil C24-C36	1,200		25	mg/Kg	As Recd	5.000	EPA 8015B	EPA 3550B
Cadmium	3.3		0.25	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Chromium	650		25	mg/Kg	As Recd	100.0	EPA 6010B	EPA 3050B
Lead	90		0.25	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Nickel	63		0.25	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Zinc	460		1.0	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B

Client Sample ID : Z5-1 (0"-6") Laboratory Sample ID : 264663-003

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Diesel C10-C24	240	Y	20	mg/Kg	As Recd	20.00	EPA 8015B	EPA 3550B
Motor Oil C24-C36	2,100		100	mg/Kg	As Recd	20.00	EPA 8015B	EPA 3550B
Cadmium	0.71		0.27	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Chromium	43		0.27	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Lead	10		0.27	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Nickel	56		0.27	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Zinc	51		1.1	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B

Curtis & Tompkins, Ltd.

Client Sample ID : Z5-2 (6"-12") Laboratory Sample ID : 264663-004

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Diesel C10-C24	290	Y	20	mg/Kg	As Recd	20.00	EPA 8015B	EPA 3550B
Motor Oil C24-C36	2,200		100	mg/Kg	As Recd	20.00	EPA 8015B	EPA 3550B
Cadmium	1.4		0.25	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Chromium	780		25	mg/Kg	As Recd	100.0	EPA 6010B	EPA 3050B
Lead	34		0.25	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Nickel	31		0.25	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Zinc	190		1.0	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B

Client Sample ID : Z7-1 (0"-6") Laboratory Sample ID : 264663-005

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Diesel C10-C24	190	Y	20	mg/Kg	As Recd	20.00	EPA 8015B	EPA 3550B
Motor Oil C24-C36	860		100	mg/Kg	As Recd	20.00	EPA 8015B	EPA 3550B
Zinc	110		0.92	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B

Client Sample ID : Z7-2 (6"-12") Laboratory Sample ID : 264663-006

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Diesel C10-C24	2,000	Y	20	mg/Kg	As Recd	20.00	EPA 8015B	EPA 3550B
Motor Oil C24-C36	2,900		100	mg/Kg	As Recd	20.00	EPA 8015B	EPA 3550B
Zinc	130		0.93	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B

Client Sample ID : Z8-1 (0"-6") Laboratory Sample ID : 264663-007

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Diesel C10-C24	340		10	mg/Kg	As Recd	10.00	EPA 8015B	EPA 3550B
Motor Oil C24-C36	1,700		50	mg/Kg	As Recd	10.00	EPA 8015B	EPA 3550B
Zinc	30		1.1	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B

Client Sample ID : Z8-2 (6"-12") Laboratory Sample ID : 264663-008

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Diesel C10-C24	100		5.0	mg/Kg	As Recd	5.000	EPA 8015B	EPA 3550B
Motor Oil C24-C36	410		25	mg/Kg	As Recd	5.000	EPA 8015B	EPA 3550B
Zinc	1,000		110	mg/Kg	As Recd	100.0	EPA 6010B	EPA 3050B

Client Sample ID : Z9-1 (0"-6") Laboratory Sample ID : 264663-009

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Gasoline C7-C12	2.9	Y	0.93	mg/Kg	As Recd	1.000	EPA 8015B	EPA 5030B
Diesel C10-C24	1,900		5.0	mg/Kg	As Recd	5.000	EPA 8015B	EPA 3550B
Motor Oil C24-C36	700		25	mg/Kg	As Recd	5.000	EPA 8015B	EPA 3550B
Zinc	1,100		95	mg/Kg	As Recd	100.0	EPA 6010B	EPA 3050B

Curtis & Tompkins, Ltd.

Client Sample ID : Z9-2 (6"-12") Laboratory Sample ID : 264663-010

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Gasoline C7-C12	1.2	Y	0.91	mg/Kg	As Recd	1.000	EPA 8015B	EPA 5030B
Diesel C10-C24	680		5.0	mg/Kg	As Recd	5.000	EPA 8015B	EPA 3550B
Motor Oil C24-C36	240		25	mg/Kg	As Recd	5.000	EPA 8015B	EPA 3550B
Zinc	320		1.0	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B

Client Sample ID : Z6-1 (0"-6") Laboratory Sample ID : 264663-011

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Diesel C10-C24	60		1.0	mg/Kg	As Recd	1.000	EPA 8015B	EPA 3550B
Motor Oil C24-C36	280		5.0	mg/Kg	As Recd	1.000	EPA 8015B	EPA 3550B
Zinc	1,000		110	mg/Kg	As Recd	100.0	EPA 6010B	EPA 3050B

Client Sample ID : Z6-2 (6"-12") Laboratory Sample ID : 264663-012

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Diesel C10-C24	81		1.0	mg/Kg	As Recd	1.000	EPA 8015B	EPA 3550B
Motor Oil C24-C36	260		5.0	mg/Kg	As Recd	1.000	EPA 8015B	EPA 3550B
Zinc	970		110	mg/Kg	As Recd	100.0	EPA 6010B	EPA 3050B

Client Sample ID : Z3-1 (0"-6") Laboratory Sample ID : 264663-013

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Diesel C10-C24	110	Y	10	mg/Kg	As Recd	10.00	EPA 8015B	EPA 3550B
Motor Oil C24-C36	1,100		50	mg/Kg	As Recd	10.00	EPA 8015B	EPA 3550B
Cadmium	0.82		0.28	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Chromium	110		0.28	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Lead	15		0.28	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Nickel	130		0.28	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Zinc	46		1.1	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B

Client Sample ID : Z3-2 (6"-12") Laboratory Sample ID : 264663-014

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Diesel C10-C24	990	Y	9.9	mg/Kg	As Recd	10.00	EPA 8015B	EPA 3550B
Motor Oil C24-C36	4,400		50	mg/Kg	As Recd	10.00	EPA 8015B	EPA 3550B
Cadmium	3.7		0.27	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Chromium	50		0.27	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Lead	220		0.27	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Nickel	40		0.27	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Zinc	230		1.1	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B

Curtis & Tompkins, Ltd.

Client Sample ID : Z1-1 (0"-6") Laboratory Sample ID : 264663-015

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Cadmium	0.75		0.23	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Chromium	32		0.23	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Lead	8.1		0.23	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Nickel	40		0.23	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Zinc	44		0.93	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B

Client Sample ID : Z1-2 (6"-12") Laboratory Sample ID : 264663-016

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Cadmium	5.1		0.26	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Chromium	910		26	mg/Kg	As Recd	100.0	EPA 6010B	EPA 3050B
Lead	300		0.26	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Nickel	55		0.26	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Zinc	1,900		100	mg/Kg	As Recd	100.0	EPA 6010B	EPA 3050B

Client Sample ID : Z2-1 (0"-6") Laboratory Sample ID : 264663-017

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Cadmium	1.8		0.23	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Chromium	53		0.23	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Lead	100		0.23	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Nickel	55		0.23	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Zinc	150		0.91	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B

Client Sample ID : Z2-2 (6"-12") Laboratory Sample ID : 264663-018

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Cadmium	0.97		0.26	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Chromium	34		0.26	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Lead	29		0.26	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Nickel	31		0.26	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Zinc	76		1.0	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B

Client Sample ID : MW2 Laboratory Sample ID : 264663-019

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Diesel C10-C24	2,600	Y	50	ug/L	As Recd	1.000	EPA 8015B	EPA 3520C
Motor Oil C24-C36	2,200		300	ug/L	As Recd	1.000	EPA 8015B	EPA 3520C
MTBE	17		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

Client Sample ID : MW1 Laboratory Sample ID : 264663-020

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Diesel C10-C24	3,500	Y	50	ug/L	As Recd	1.000	EPA 8015B	EPA 3520C
Motor Oil C24-C36	3,800		300	ug/L	As Recd	1.000	EPA 8015B	EPA 3520C
MTBE	40		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

Y = Sample exhibits chromatographic pattern which does not resemble standard

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	02/12/15
Units:	ug/L	Received:	02/12/15
Diln Fac:	1.000	Analyzed:	02/19/15
Batch#:	220602		

Field ID: MW2 Lab ID: 264663-019
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	91	80-132

Field ID: MW1 Lab ID: 264663-020
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	94	80-132

Type: BLANK Lab ID: QC777879

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	93	80-132

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC777878	Batch#:	220602
Matrix:	Water	Analyzed:	02/19/15
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	981.9	98	80-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	91	80-132

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	220602
MSS Lab ID:	264703-002	Sampled:	02/16/15
Matrix:	Water	Received:	02/17/15
Units:	ug/L	Analyzed:	02/19/15
Diln Fac:	1.000		

Type: MS Lab ID: QC777880

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	18.30	2,000	2,077	103	76-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	98	80-132

Type: MSD Lab ID: QC777881

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,030	101	76-120	2	20

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	98	80-132

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Dil'n Fac:	1.000
Units:	mg/Kg	Sampled:	02/12/15
Basis:	as received	Received:	02/12/15

Field ID: Z4-1 (0"-6") | Batch#: 220494
Type: SAMPLE | Analyzed: 02/17/15
Lab ID: 264663-001

Analyte	Result	RL
Gasoline C7-C12	ND	1.1

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	80	78-138

Field ID: Z4-2 (6"-12") | Batch#: 220494
Type: SAMPLE | Analyzed: 02/17/15
Lab ID: 264663-002

Analyte	Result	RL
Gasoline C7-C12	ND	1.1

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	89	78-138

Field ID: Z5-1 (0"-6") | Batch#: 220494
Type: SAMPLE | Analyzed: 02/17/15
Lab ID: 264663-003

Analyte	Result	RL
Gasoline C7-C12	ND	1.1

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	84	78-138

Field ID: Z5-2 (6"-12") | Batch#: 220585
Type: SAMPLE | Analyzed: 02/19/15
Lab ID: 264663-004

Analyte	Result	RL
Gasoline C7-C12	ND	0.98

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	98	78-138

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Diln Fac:	1.000
Units:	mg/Kg	Sampled:	02/12/15
Basis:	as received	Received:	02/12/15

Field ID: Z7-1 (0"-6") | Batch#: 220494
Type: SAMPLE | Analyzed: 02/18/15
Lab ID: 264663-005

Analyte	Result	RL
Gasoline C7-C12	ND	0.95

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	88	78-138

Field ID: Z7-2 (6"-12") | Batch#: 220534
Type: SAMPLE | Analyzed: 02/18/15
Lab ID: 264663-006

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	86	78-138

Field ID: Z8-1 (0"-6") | Batch#: 220494
Type: SAMPLE | Analyzed: 02/18/15
Lab ID: 264663-007

Analyte	Result	RL
Gasoline C7-C12	ND	0.93

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	91	78-138

Field ID: Z8-2 (6"-12") | Batch#: 220494
Type: SAMPLE | Analyzed: 02/18/15
Lab ID: 264663-008

Analyte	Result	RL
Gasoline C7-C12	ND	0.97

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	82	78-138

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Diln Fac:	1.000
Units:	mg/Kg	Sampled:	02/12/15
Basis:	as received	Received:	02/12/15

Field ID: Z9-1 (0"-6") | Batch#: 220494
Type: SAMPLE | Analyzed: 02/18/15
Lab ID: 264663-009

Analyte	Result	RL
Gasoline C7-C12	2.9 Y	0.93

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	98	78-138

Field ID: Z9-2 (6"-12") | Batch#: 220494
Type: SAMPLE | Analyzed: 02/18/15
Lab ID: 264663-010

Analyte	Result	RL
Gasoline C7-C12	1.2 Y	0.91

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	92	78-138

Field ID: Z6-1 (0"-6") | Batch#: 220494
Type: SAMPLE | Analyzed: 02/18/15
Lab ID: 264663-011

Analyte	Result	RL
Gasoline C7-C12	ND	0.94

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	79	78-138

Field ID: Z6-2 (6"-12") | Batch#: 220494
Type: SAMPLE | Analyzed: 02/18/15
Lab ID: 264663-012

Analyte	Result	RL
Gasoline C7-C12	ND	1.1

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	93	78-138

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Diln Fac:	1.000
Units:	mg/Kg	Sampled:	02/12/15
Basis:	as received	Received:	02/12/15

Field ID: Z3-1 (0"-6") | Batch#: 220494
Type: SAMPLE | Analyzed: 02/18/15
Lab ID: 264663-013

Analyte	Result	RL
Gasoline C7-C12	ND	1.1

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	79	78-138

Field ID: Z3-2 (6"-12") | Batch#: 220494
Type: SAMPLE | Analyzed: 02/18/15
Lab ID: 264663-014

Analyte	Result	RL
Gasoline C7-C12	ND	1.1

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	91	78-138

Type: BLANK | Batch#: 220494
Lab ID: QC777479 | Analyzed: 02/17/15

Analyte	Result	RL
Gasoline C7-C12	ND	0.20

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	92	78-138

Type: BLANK | Batch#: 220534
Lab ID: QC777633 | Analyzed: 02/18/15

Analyte	Result	RL
Gasoline C7-C12	ND	0.20

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	99	78-138

Type: BLANK | Batch#: 220585
Lab ID: QC777823 | Analyzed: 02/19/15

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	99	78-138

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC777478	Batch#:	220494
Matrix:	Soil	Analyzed:	02/17/15
Units:	mg/Kg		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1.000	0.9377	94	80-121

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	85	78-138

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	264621-001	Batch#:	220494
Matrix:	Soil	Sampled:	02/12/15
Units:	mg/Kg	Received:	02/12/15
Basis:	as received	Analyzed:	02/17/15

Type: MS Lab ID: QC777480

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.1441	9.804	9.264	93	50-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	93	78-138

Type: MSD Lab ID: QC777481

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.31	8.372	80	50-120	15	31

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	91	78-138

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC777632	Batch#:	220534
Matrix:	Soil	Analyzed:	02/18/15
Units:	mg/Kg		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1.000	1.006	101	80-121

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	96	78-138

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	264629-007	Batch#:	220534
Matrix:	Soil	Sampled:	02/08/15
Units:	mg/Kg	Received:	02/12/15
Basis:	as received	Analyzed:	02/18/15

Type: MS Lab ID: QC777634

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<0.07656	9.524	8.131	85	50-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	103	78-138

Type: MSD Lab ID: QC777635

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	9.709	8.392	86	50-120	1	31

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	104	78-138

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC777822	Batch#:	220585
Matrix:	Soil	Analyzed:	02/19/15
Units:	mg/Kg		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1.000	1.065	106	80-121

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	94	78-138

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	Z5-2 (6"-12")	Diln Fac:	1.000
MSS Lab ID:	264663-004	Batch#:	220585
Matrix:	Soil	Sampled:	02/12/15
Units:	mg/Kg	Received:	02/12/15
Basis:	as received	Analyzed:	02/19/15

Type: MS Lab ID: QC777937

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.08997	9.901	6.755	67	50-120

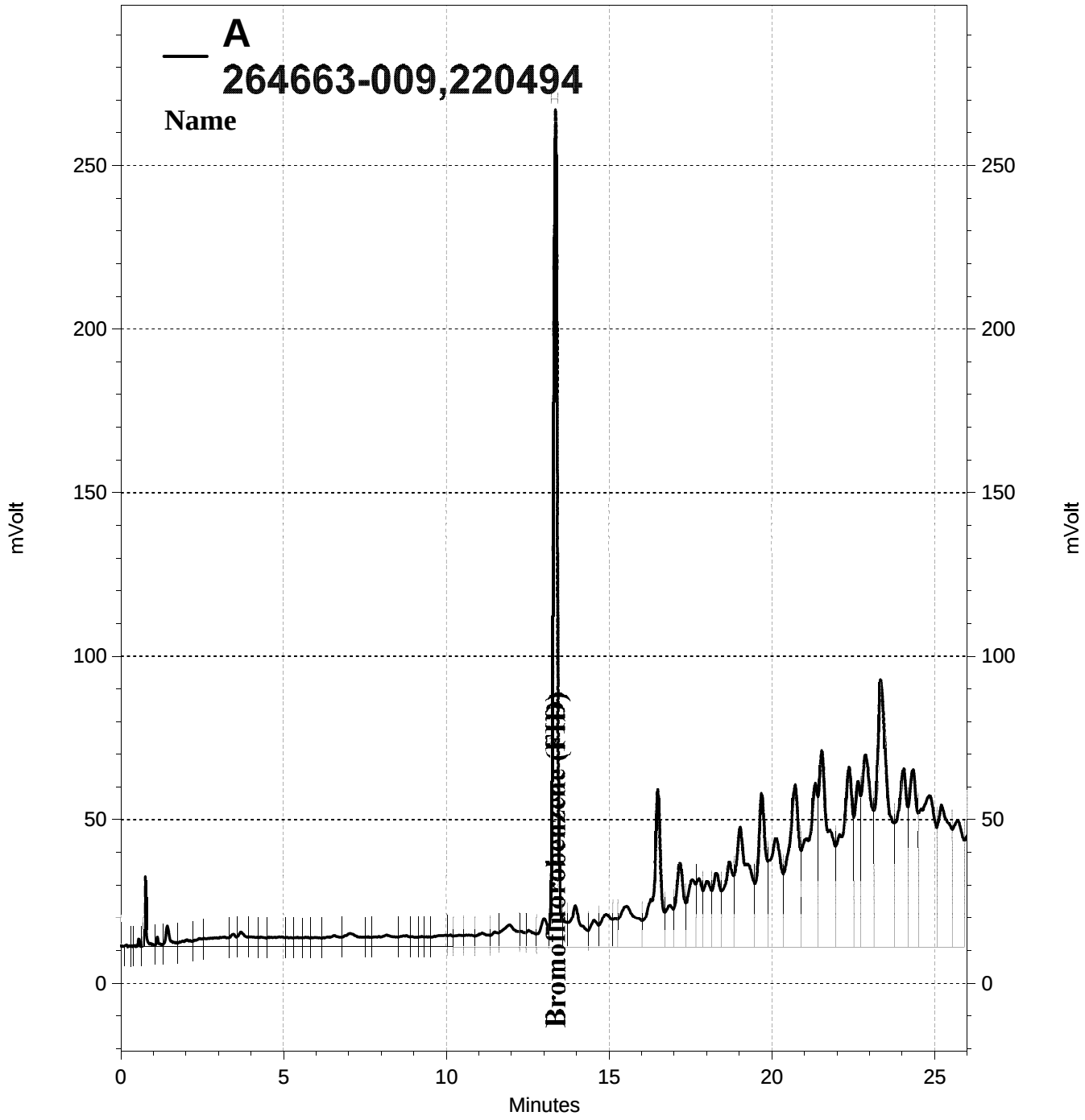
Surrogate	%REC	Limits
Bromofluorobenzene (FID)	94	78-138

Type: MSD Lab ID: QC777938

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	9.434	5.400	56	50-120	18	31

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	100	78-138

RPD= Relative Percent Difference



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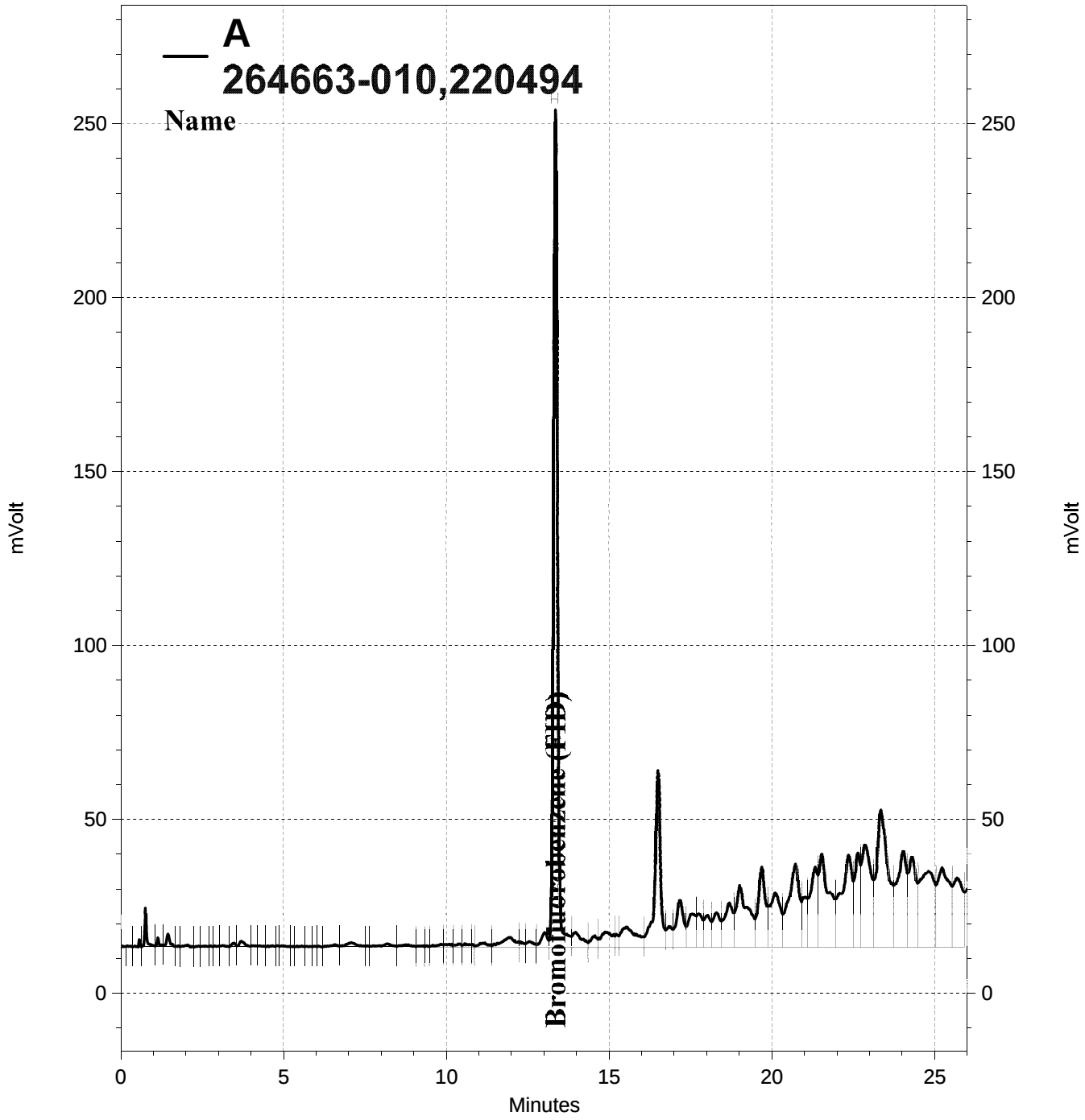

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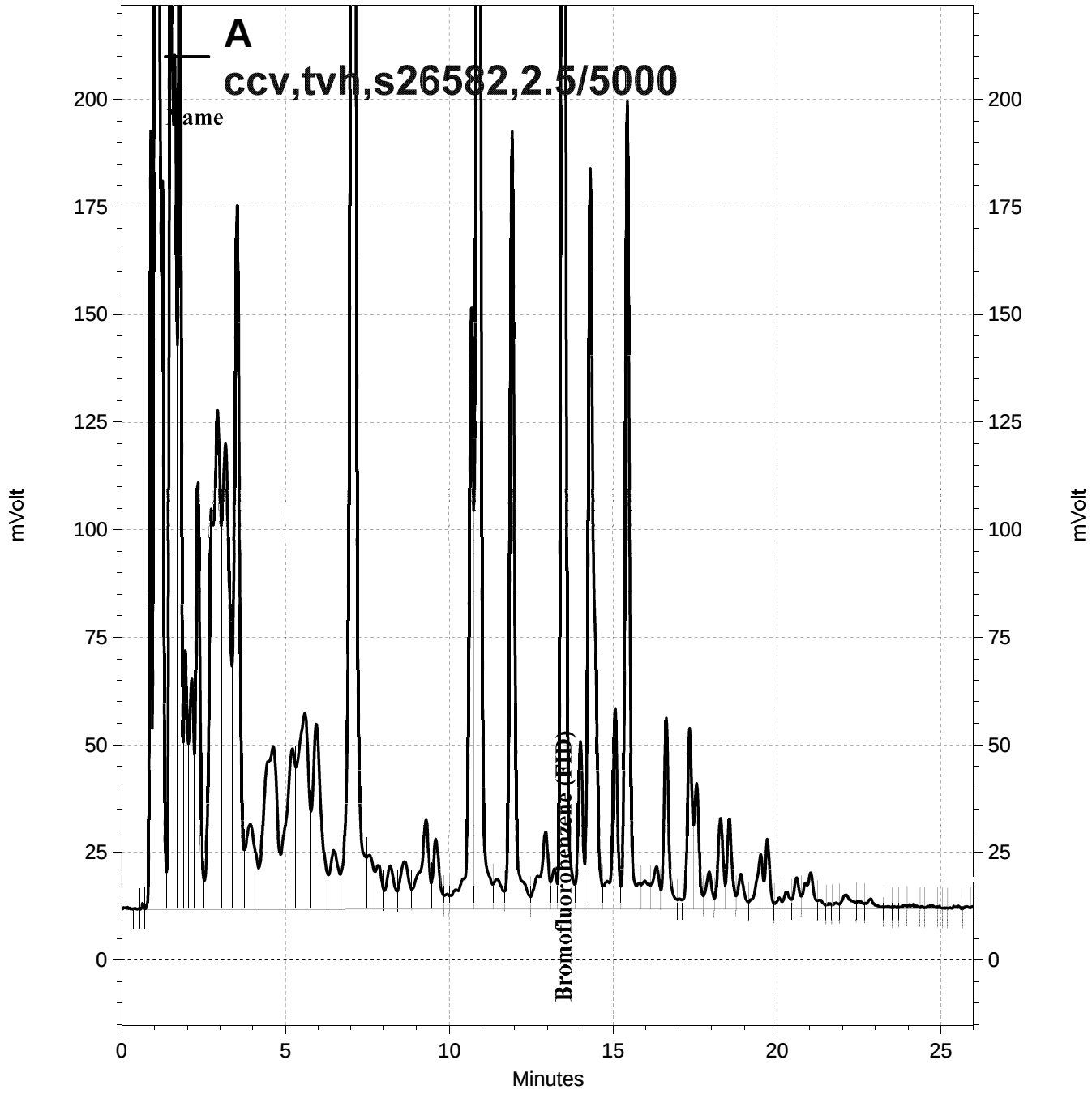

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Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	02/12/15
Units:	ug/L	Received:	02/12/15
Diln Fac:	1.000	Prepared:	02/17/15
Batch#:	220504	Analyzed:	02/18/15

Field ID: MW2 Lab ID: 264663-019
Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	2,600 Y	50
Motor Oil C24-C36	2,200	300

Surrogate	%REC	Limits
o-Terphenyl	123	67-136

Field ID: MW1 Lab ID: 264663-020
Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	3,500 Y	50
Motor Oil C24-C36	3,800	300

Surrogate	%REC	Limits
o-Terphenyl	124	67-136

Type: BLANK Lab ID: QC777518

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
o-Terphenyl	117	67-136

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	220504
Units:	ug/L	Prepared:	02/17/15
Diln Fac:	1.000	Analyzed:	02/19/15

Type: BS Lab ID: QC777519

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,202	88	60-121

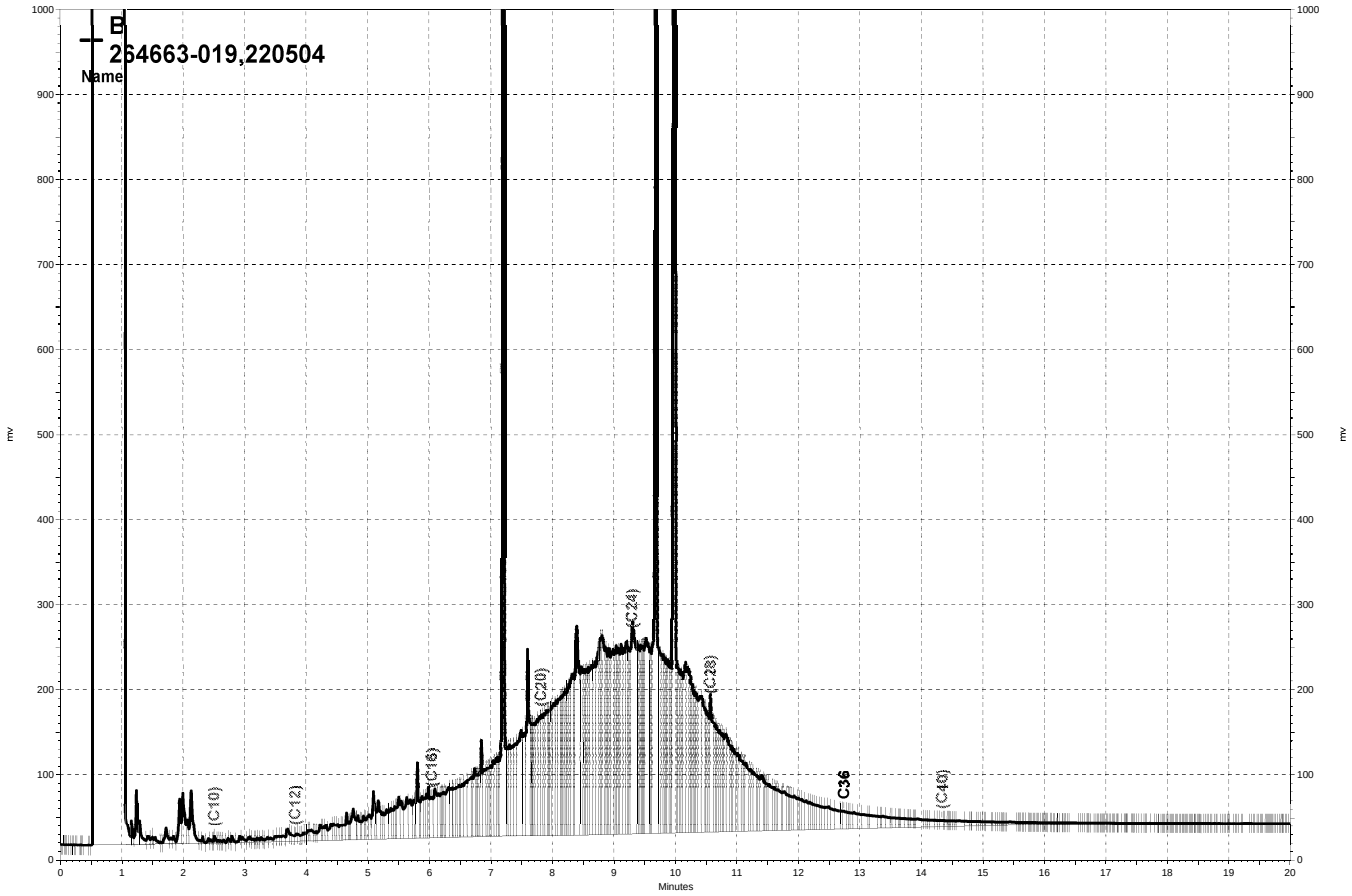
Surrogate	%REC	Limits
o-Terphenyl	106	67-136

Type: BSD Lab ID: QC777520

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,432	97	60-121	10	32

Surrogate	%REC	Limits
o-Terphenyl	107	67-136

RPD= Relative Percent Difference



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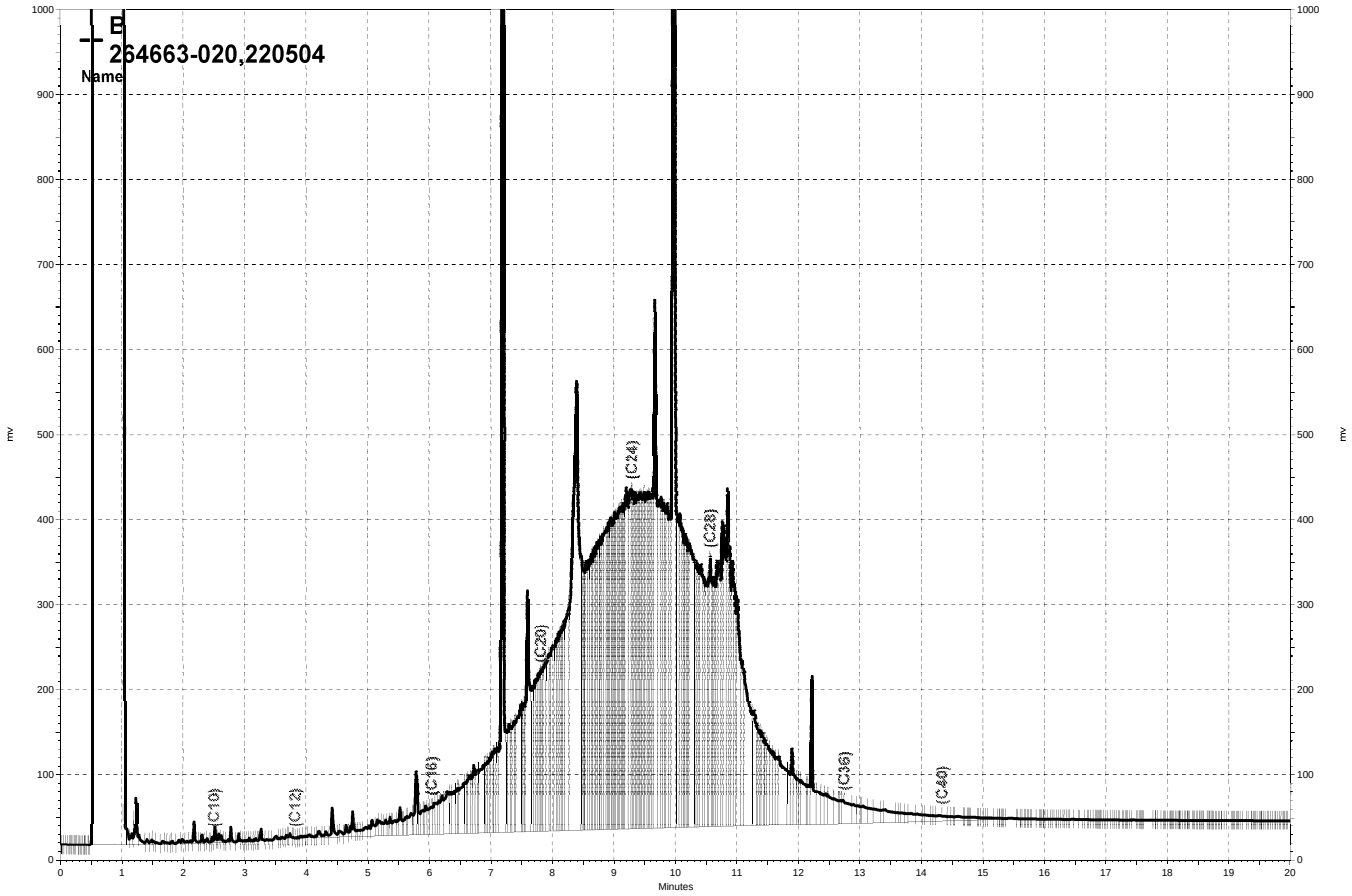

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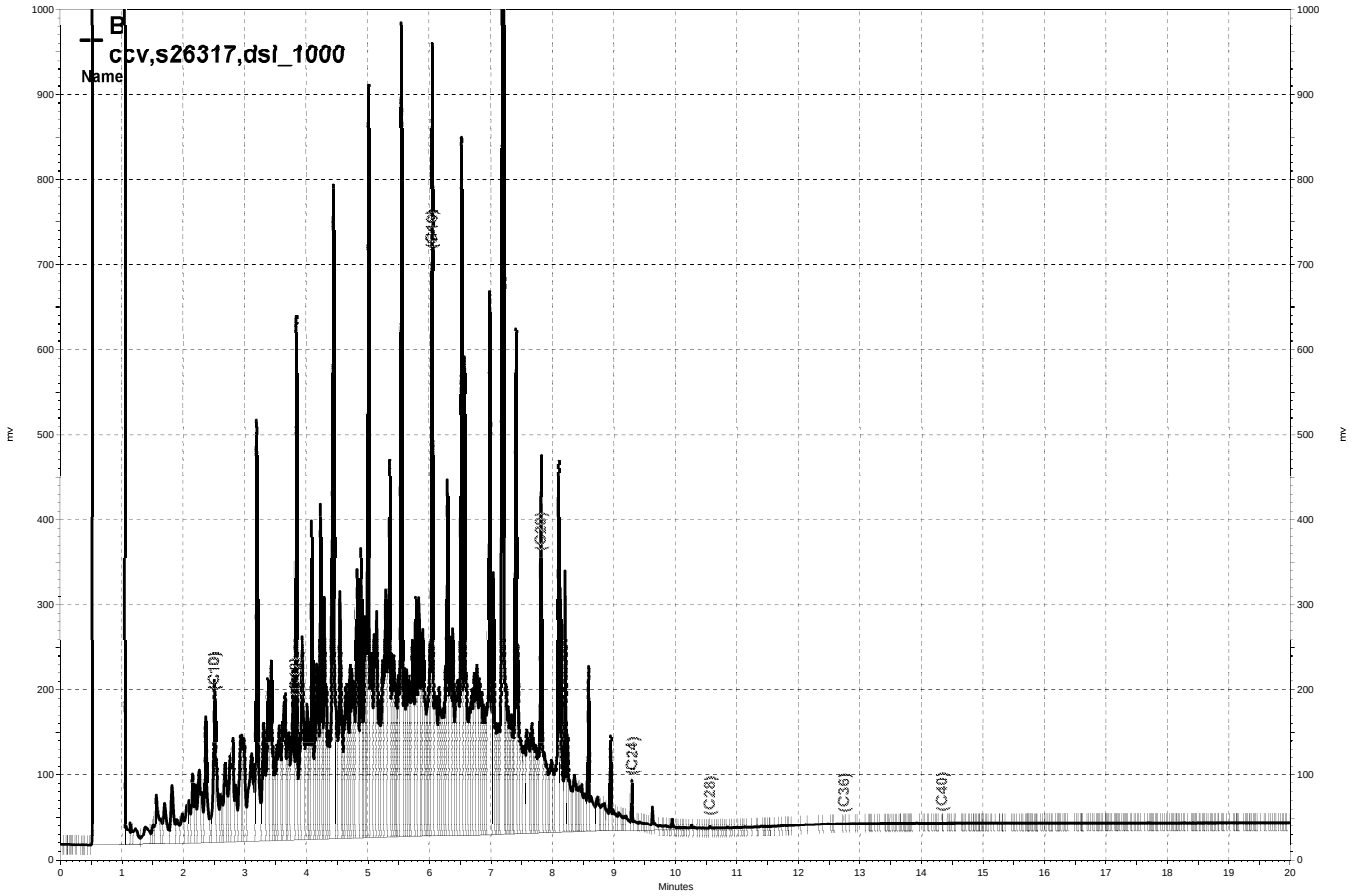

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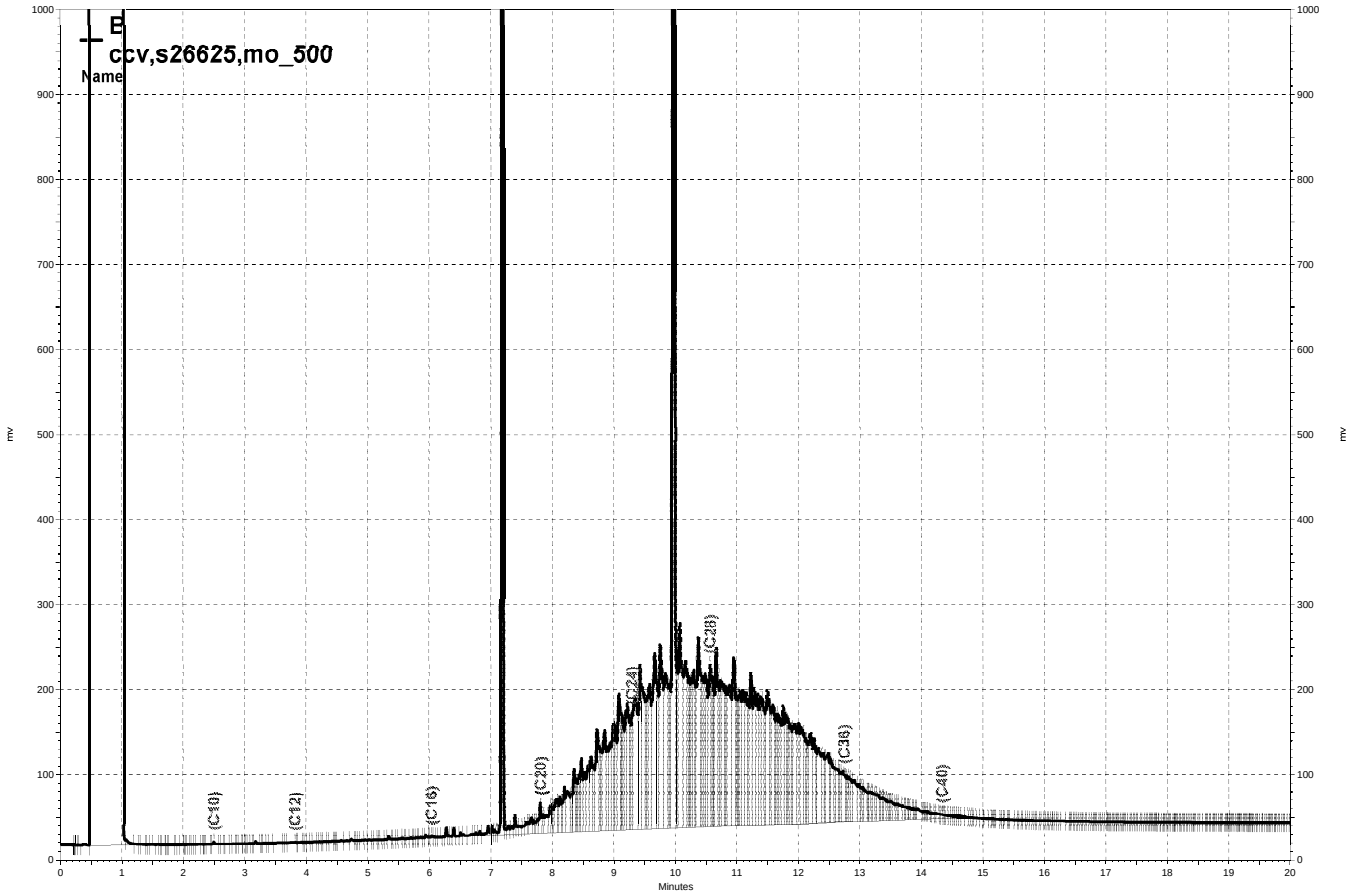

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Total Extractable Hydrocarbons

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	02/12/15
Units:	mg/Kg	Received:	02/12/15
Basis:	as received		

Field ID:	Z4-1 (0"-6")	Batch#:	220559
Type:	SAMPLE	Prepared:	02/18/15
Lab ID:	264663-001	Analyzed:	02/19/15
Diln Fac:	20.00		

Analyte	Result	RL
Diesel C10-C24	340 Y	20
Motor Oil C24-C36	1,600	100

Surrogate	%REC	Limits
o-Terphenyl	DO	59-140

Field ID:	Z4-2 (6"-12")	Batch#:	220559
Type:	SAMPLE	Prepared:	02/18/15
Lab ID:	264663-002	Analyzed:	02/19/15
Diln Fac:	5.000		

Analyte	Result	RL
Diesel C10-C24	390 Y	5.0
Motor Oil C24-C36	1,200	25

Surrogate	%REC	Limits
o-Terphenyl	96	59-140

Field ID:	Z5-1 (0"-6")	Batch#:	220559
Type:	SAMPLE	Prepared:	02/18/15
Lab ID:	264663-003	Analyzed:	02/19/15
Diln Fac:	20.00		

Analyte	Result	RL
Diesel C10-C24	240 Y	20
Motor Oil C24-C36	2,100	100

Surrogate	%REC	Limits
o-Terphenyl	DO	59-140

Field ID:	Z5-2 (6"-12")	Batch#:	220559
Type:	SAMPLE	Prepared:	02/18/15
Lab ID:	264663-004	Analyzed:	02/19/15
Diln Fac:	20.00		

Analyte	Result	RL
Diesel C10-C24	290 Y	20
Motor Oil C24-C36	2,200	100

Surrogate	%REC	Limits
o-Terphenyl	DO	59-140

Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	02/12/15
Units:	mg/Kg	Received:	02/12/15
Basis:	as received		

Field ID:	Z7-1 (0"-6")	Batch#:	220559
Type:	SAMPLE	Prepared:	02/18/15
Lab ID:	264663-005	Analyzed:	02/19/15
Diln Fac:	20.00		

Analyte	Result	RL
Diesel C10-C24	190 Y	20
Motor Oil C24-C36	860	100

Surrogate	%REC	Limits
o-Terphenyl	DO	59-140

Field ID:	Z7-2 (6"-12")	Batch#:	220559
Type:	SAMPLE	Prepared:	02/18/15
Lab ID:	264663-006	Analyzed:	02/19/15
Diln Fac:	20.00		

Analyte	Result	RL
Diesel C10-C24	2,000 Y	20
Motor Oil C24-C36	2,900	100

Surrogate	%REC	Limits
o-Terphenyl	DO	59-140

Field ID:	Z8-1 (0"-6")	Batch#:	220586
Type:	SAMPLE	Prepared:	02/19/15
Lab ID:	264663-007	Analyzed:	02/19/15
Diln Fac:	10.00		

Analyte	Result	RL
Diesel C10-C24	340	10
Motor Oil C24-C36	1,700	50

Surrogate	%REC	Limits
o-Terphenyl	DO	59-140

Field ID:	Z8-2 (6"-12")	Batch#:	220586
Type:	SAMPLE	Prepared:	02/19/15
Lab ID:	264663-008	Analyzed:	02/19/15
Diln Fac:	5.000		

Analyte	Result	RL
Diesel C10-C24	100	5.0
Motor Oil C24-C36	410	25

Surrogate	%REC	Limits
o-Terphenyl	106	59-140

Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	02/12/15
Units:	mg/Kg	Received:	02/12/15
Basis:	as received		

Field ID:	Z9-1 (0"-6")	Batch#:	220586
Type:	SAMPLE	Prepared:	02/19/15
Lab ID:	264663-009	Analyzed:	02/19/15
Diln Fac:	5.000		

Analyte	Result	RL
Diesel C10-C24	1,900	5.0
Motor Oil C24-C36	700	25

Surrogate	%REC	Limits
o-Terphenyl	80	59-140

Field ID:	Z9-2 (6"-12")	Batch#:	220586
Type:	SAMPLE	Prepared:	02/19/15
Lab ID:	264663-010	Analyzed:	02/20/15
Diln Fac:	5.000		

Analyte	Result	RL
Diesel C10-C24	680	5.0
Motor Oil C24-C36	240	25

Surrogate	%REC	Limits
o-Terphenyl	96	59-140

Field ID:	Z6-1 (0"-6")	Batch#:	220586
Type:	SAMPLE	Prepared:	02/19/15
Lab ID:	264663-011	Analyzed:	02/19/15
Diln Fac:	1.000		

Analyte	Result	RL
Diesel C10-C24	60	1.0
Motor Oil C24-C36	280	5.0

Surrogate	%REC	Limits
o-Terphenyl	102	59-140

Field ID:	Z6-2 (6"-12")	Batch#:	220586
Type:	SAMPLE	Prepared:	02/19/15
Lab ID:	264663-012	Analyzed:	02/19/15
Diln Fac:	1.000		

Analyte	Result	RL
Diesel C10-C24	81	1.0
Motor Oil C24-C36	260	5.0

Surrogate	%REC	Limits
o-Terphenyl	101	59-140

Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	02/12/15
Units:	mg/Kg	Received:	02/12/15
Basis:	as received		

Field ID:	Z3-1 (0"-6")	Batch#:	220586
Type:	SAMPLE	Prepared:	02/19/15
Lab ID:	264663-013	Analyzed:	02/19/15
Diln Fac:	10.00		

Analyte	Result	RL
Diesel C10-C24	110 Y	10
Motor Oil C24-C36	1,100	50

Surrogate	%REC	Limits
o-Terphenyl	DO	59-140

Field ID:	Z3-2 (6"-12")	Batch#:	220586
Type:	SAMPLE	Prepared:	02/19/15
Lab ID:	264663-014	Analyzed:	02/19/15
Diln Fac:	10.00		

Analyte	Result	RL
Diesel C10-C24	990 Y	9.9
Motor Oil C24-C36	4,400	50

Surrogate	%REC	Limits
o-Terphenyl	DO	59-140

Type:	BLANK	Batch#:	220559
Lab ID:	QC777729	Prepared:	02/18/15
Diln Fac:	1.000	Analyzed:	02/19/15

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
o-Terphenyl	117	59-140

Type:	BLANK	Batch#:	220586
Lab ID:	QC777824	Prepared:	02/19/15
Diln Fac:	1.000	Analyzed:	02/19/15

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
o-Terphenyl	105	59-140

Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC777730	Batch#:	220559
Matrix:	Soil	Prepared:	02/18/15
Units:	mg/Kg	Analyzed:	02/19/15

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.65	53.69	108	58-137

Surrogate	%REC	Limits
o-Terphenyl	121	59-140

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	220559
MSS Lab ID:	264690-001	Sampled:	02/16/15
Matrix:	Soil	Received:	02/17/15
Units:	mg/Kg	Prepared:	02/18/15
Basis:	as received	Analyzed:	02/19/15
Diln Fac:	1.000		

Type: MS Lab ID: QC777731

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	8.308	50.16	56.46	96	46-154

Surrogate	%REC	Limits
o-Terphenyl	110	59-140

Type: MSD Lab ID: QC777732

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	50.18	59.88	103	46-154	6	50

Surrogate	%REC	Limits
o-Terphenyl	120	59-140

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC777825	Batch#:	220586
Matrix:	Soil	Prepared:	02/19/15
Units:	mg/Kg	Analyzed:	02/19/15

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	50.19	39.68	79	58-137

Surrogate	%REC	Limits
o-Terphenyl	82	59-140

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	220586
MSS Lab ID:	264755-001	Sampled:	02/18/15
Matrix:	Soil	Received:	02/18/15
Units:	mg/Kg	Prepared:	02/19/15
Basis:	as received	Analyzed:	02/19/15
Diln Fac:	1.000		

Type: MS Cleanup Method: EPA 3630C
Lab ID: QC777826

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	4.089	50.18	44.54	81	46-154

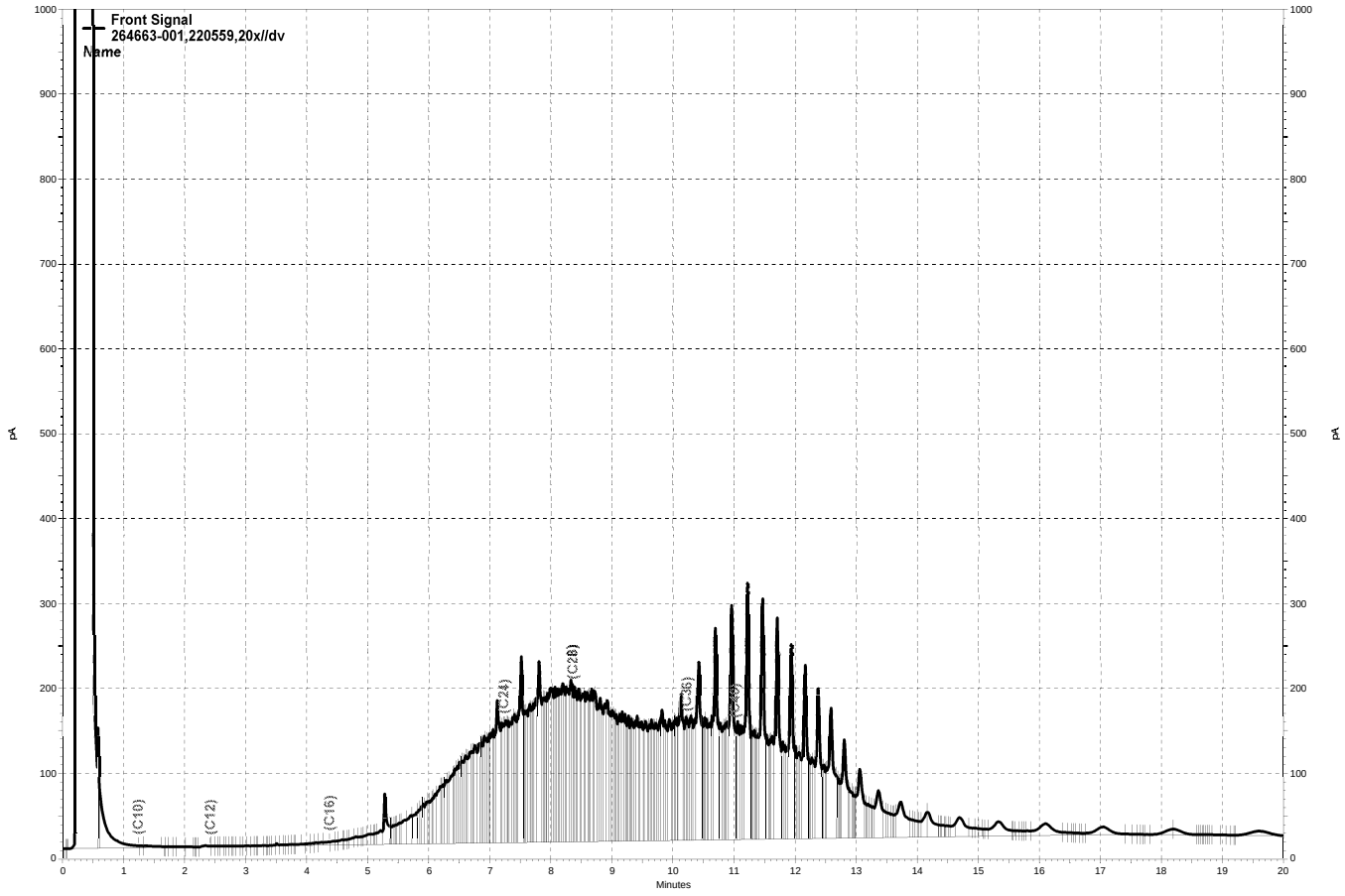
Surrogate	%REC	Limits
o-Terphenyl	91	59-140

Type: MSD Cleanup Method: EPA 3630C
Lab ID: QC777827

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.54	37.87	68	46-154	15	50

Surrogate	%REC	Limits
o-Terphenyl	81	59-140

RPD= Relative Percent Difference



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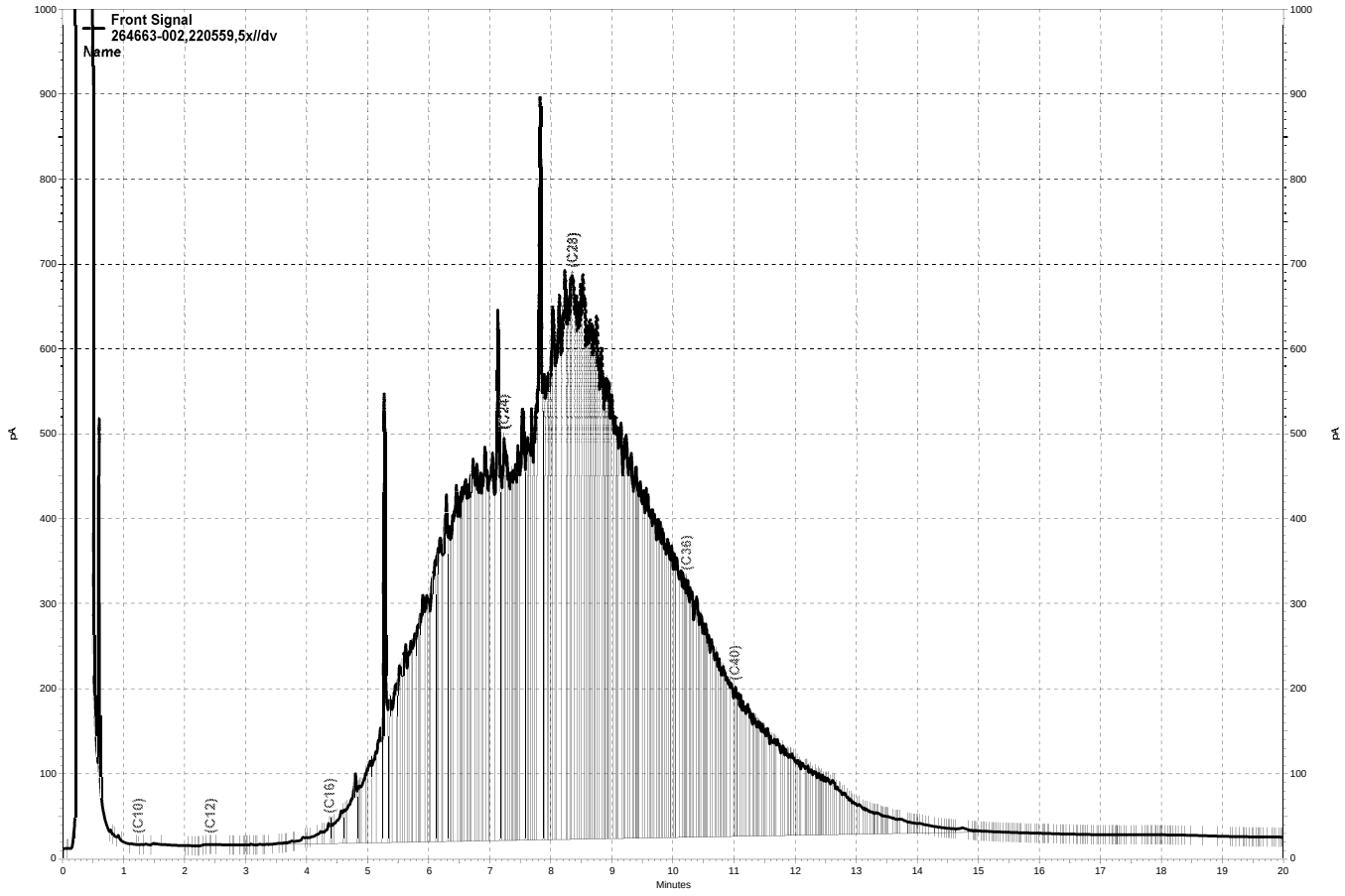

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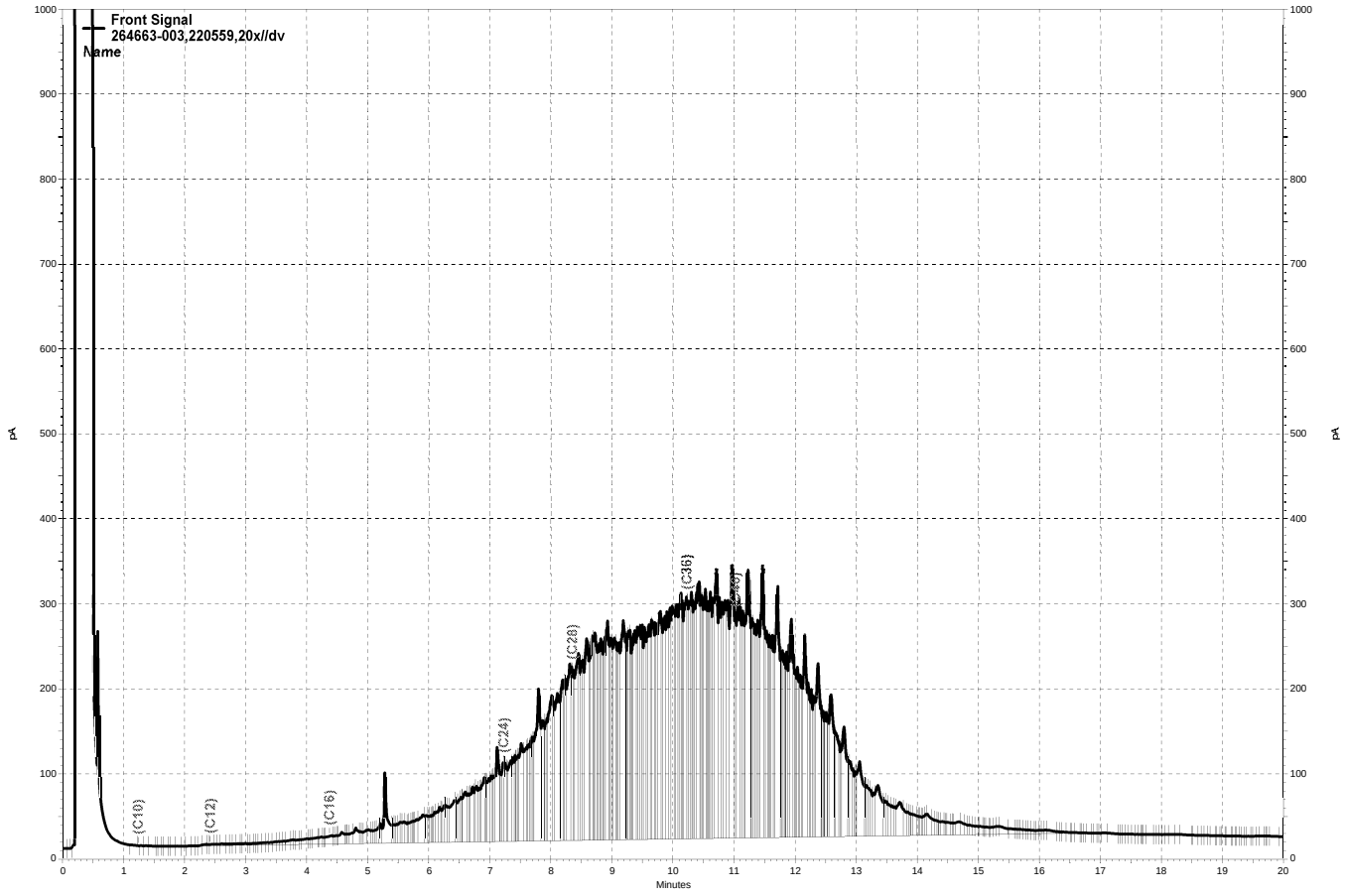

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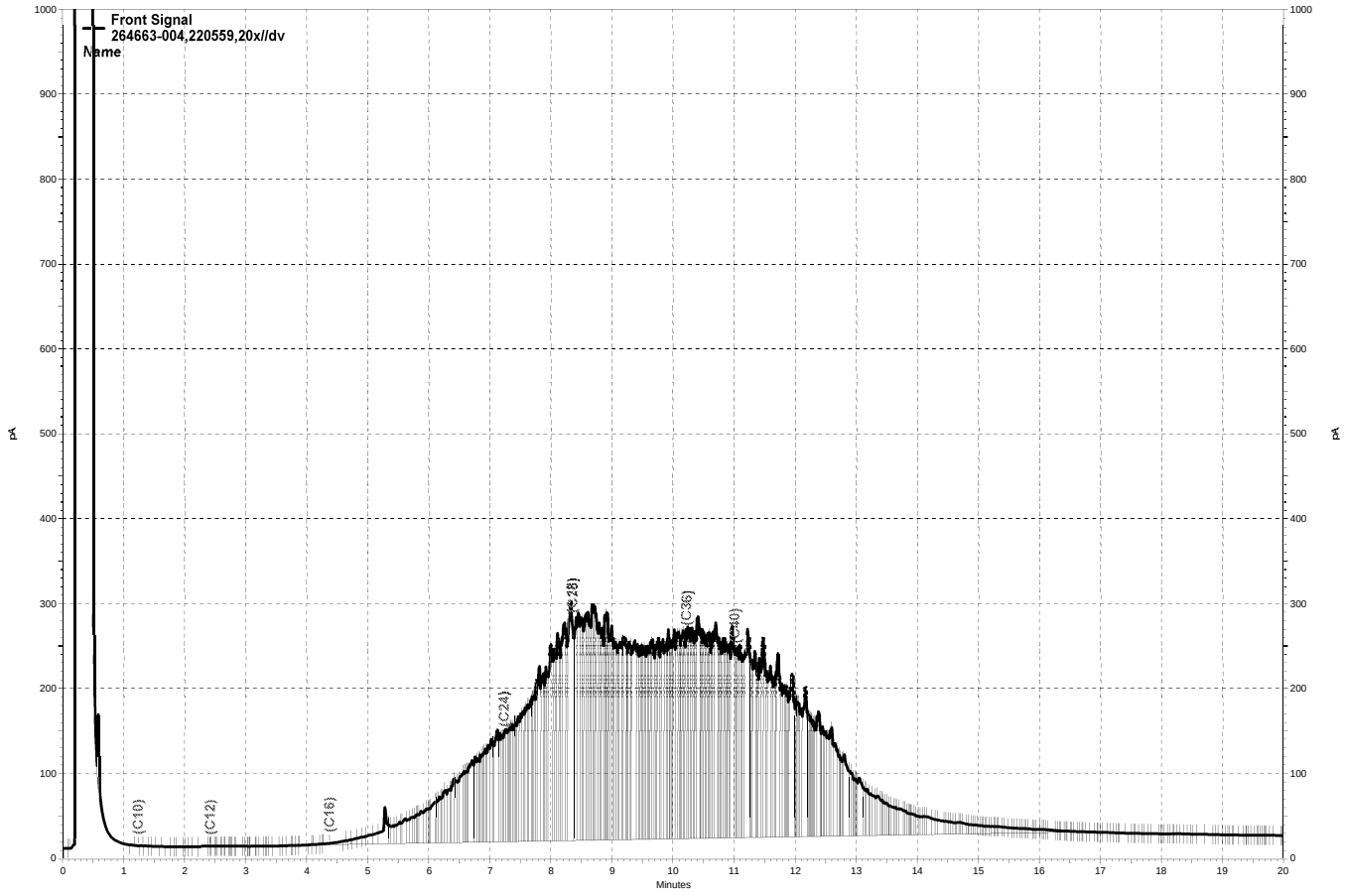

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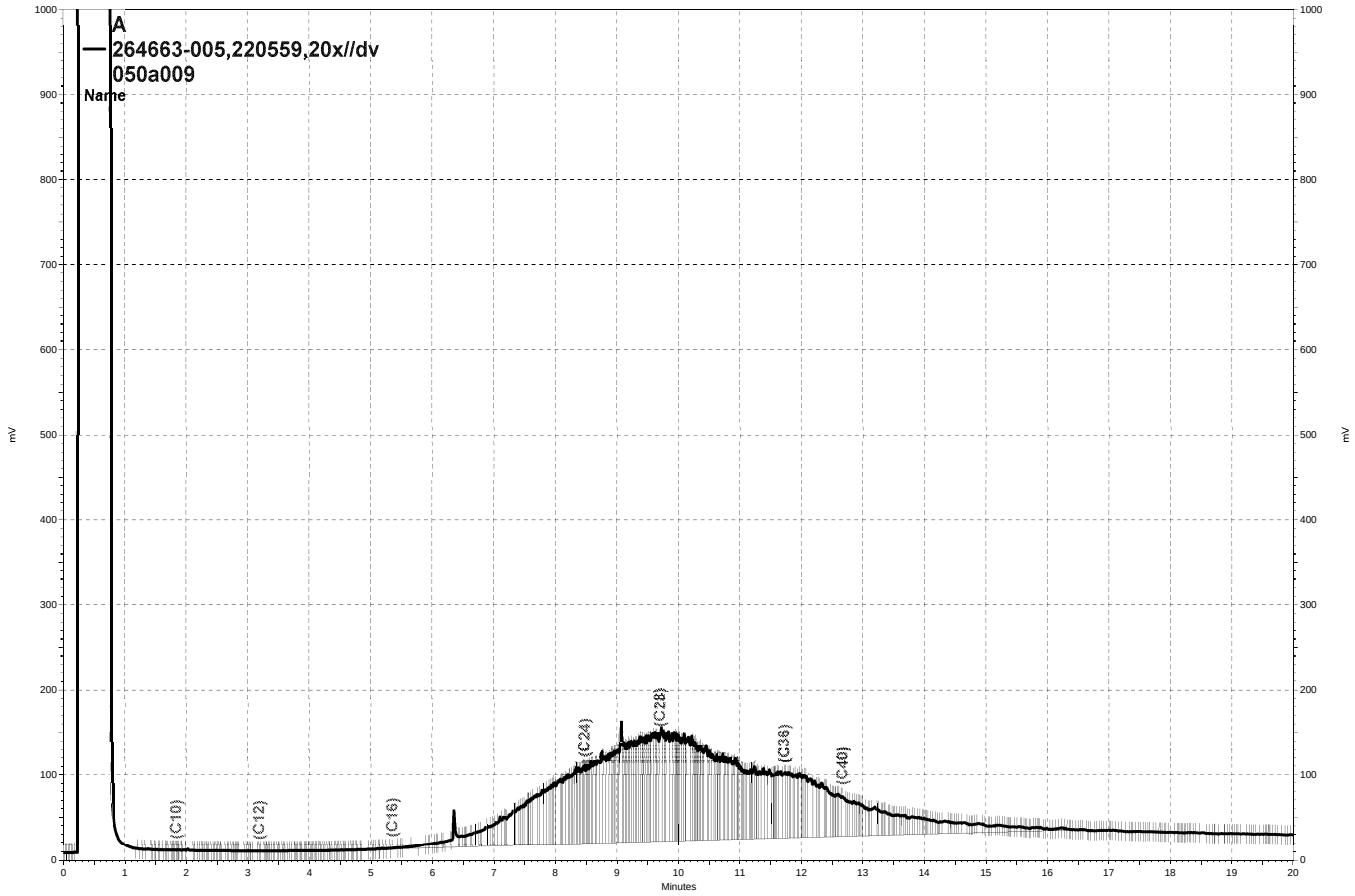

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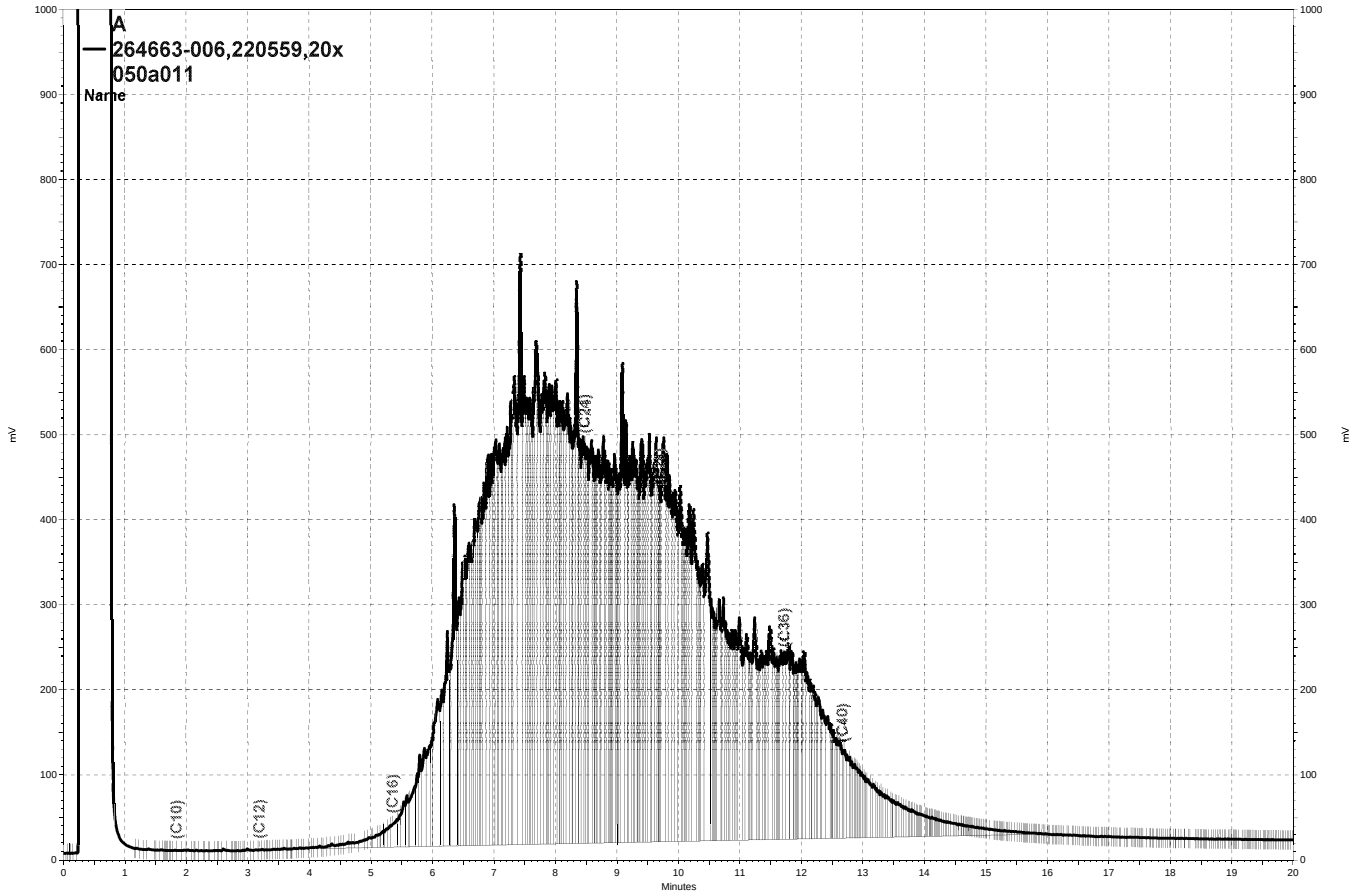

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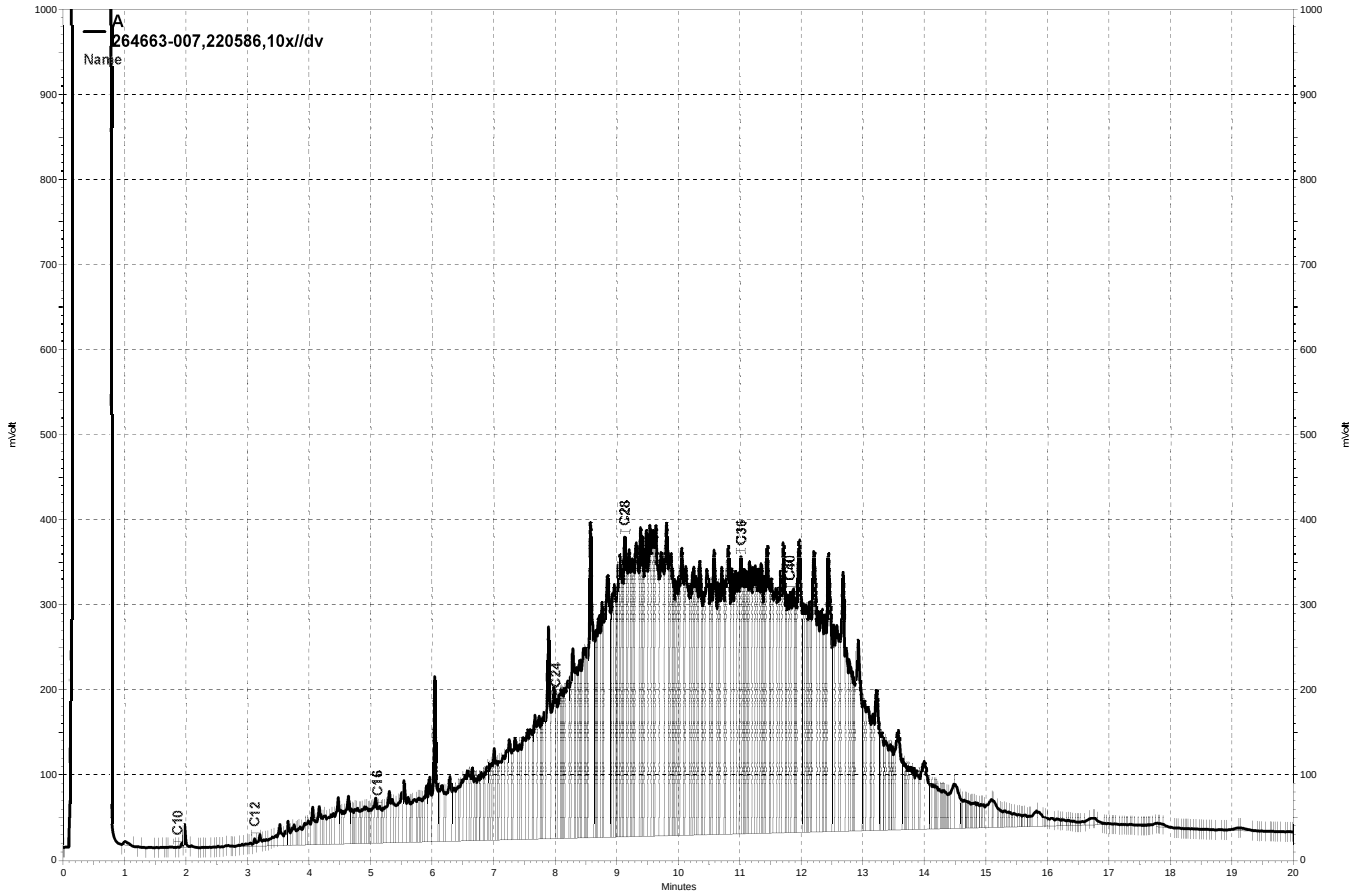

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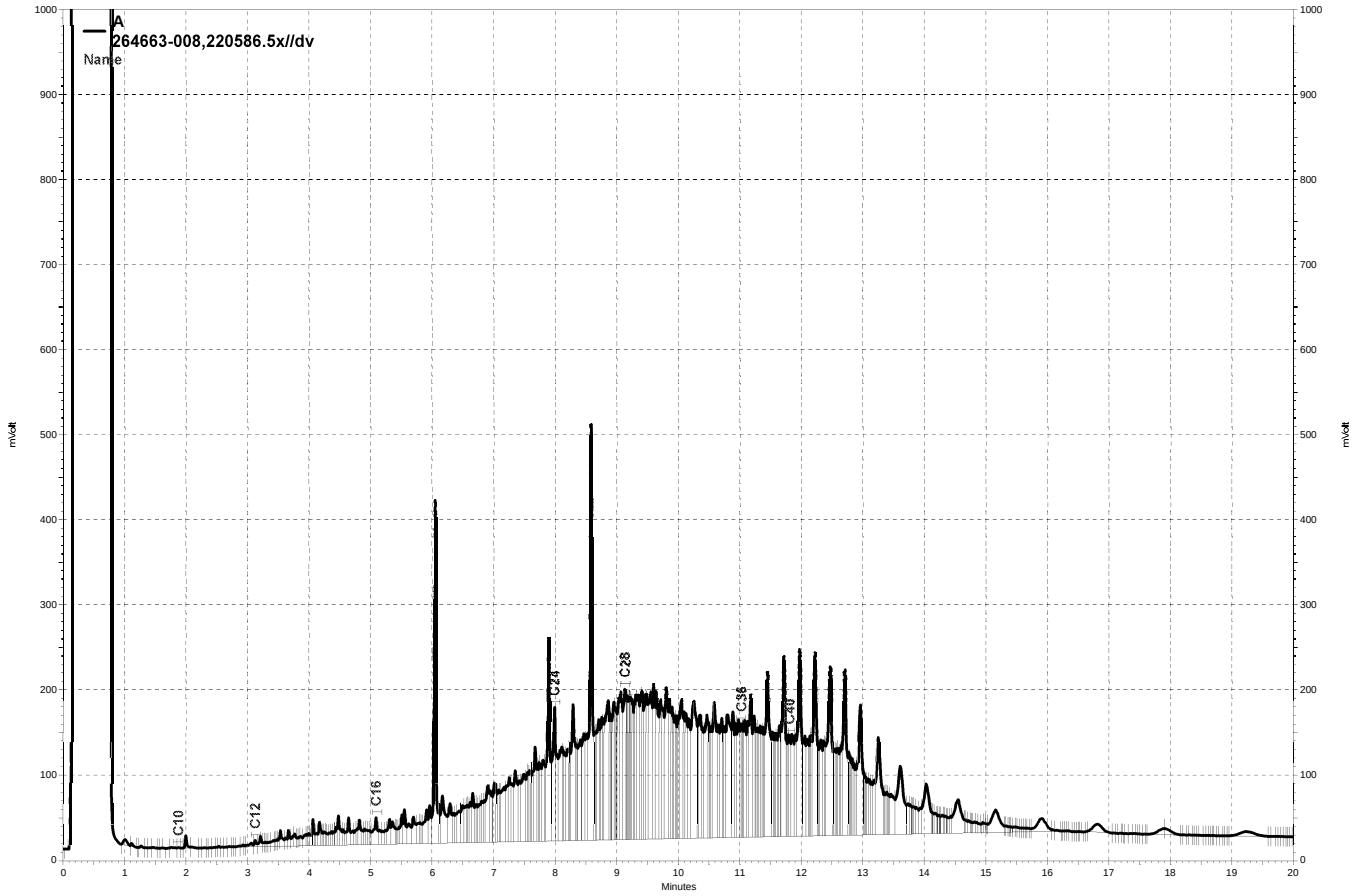

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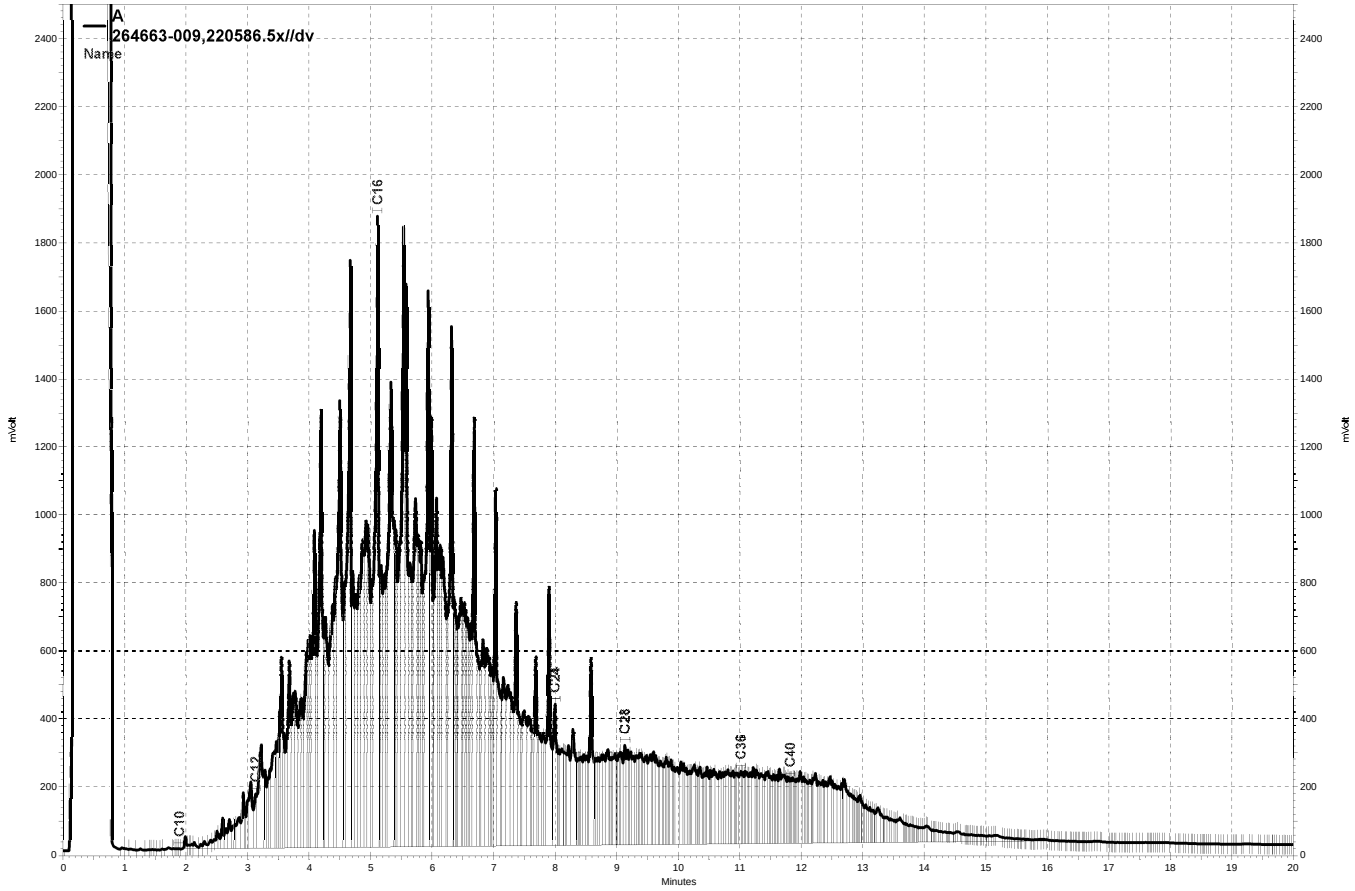

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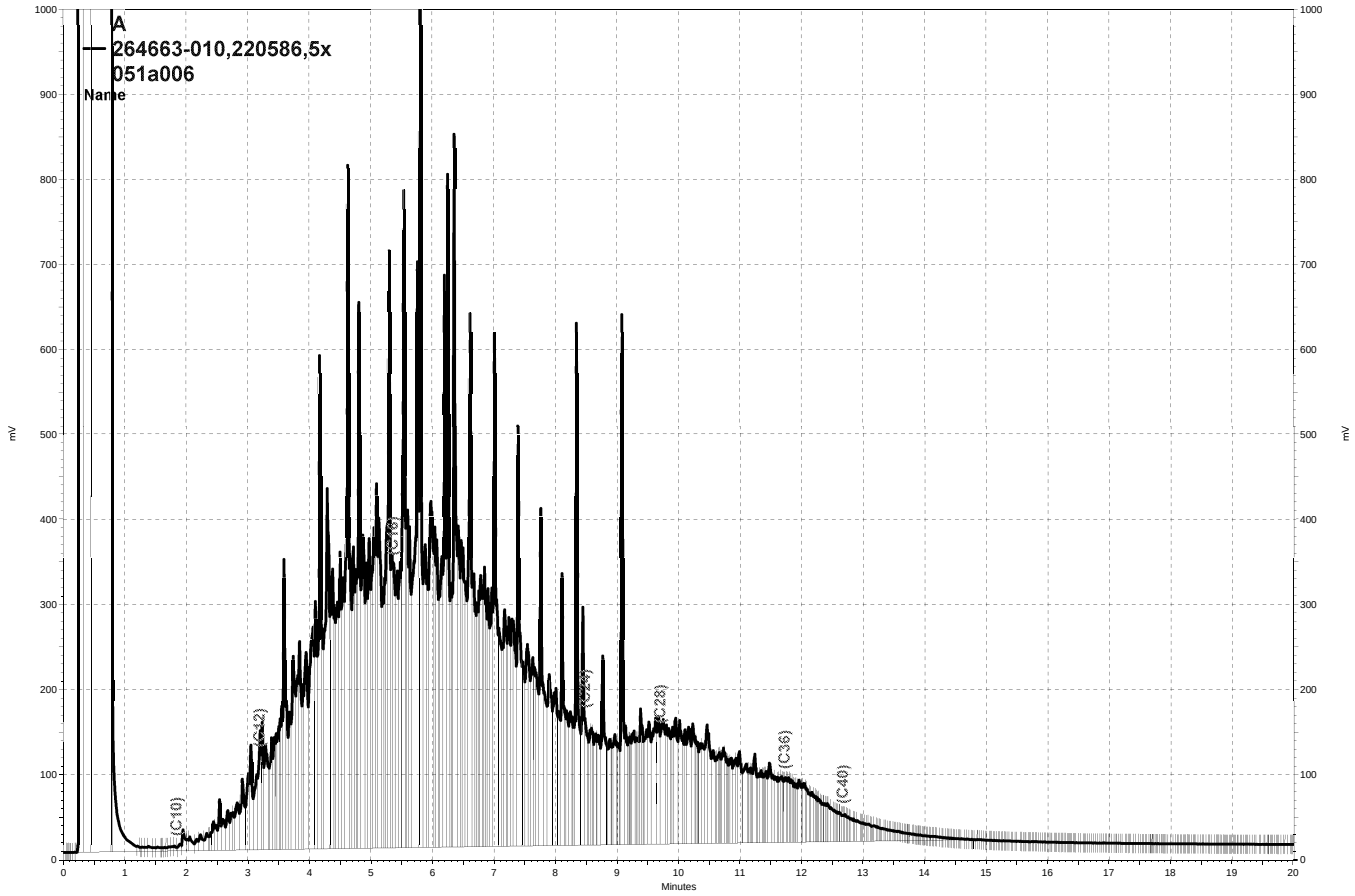

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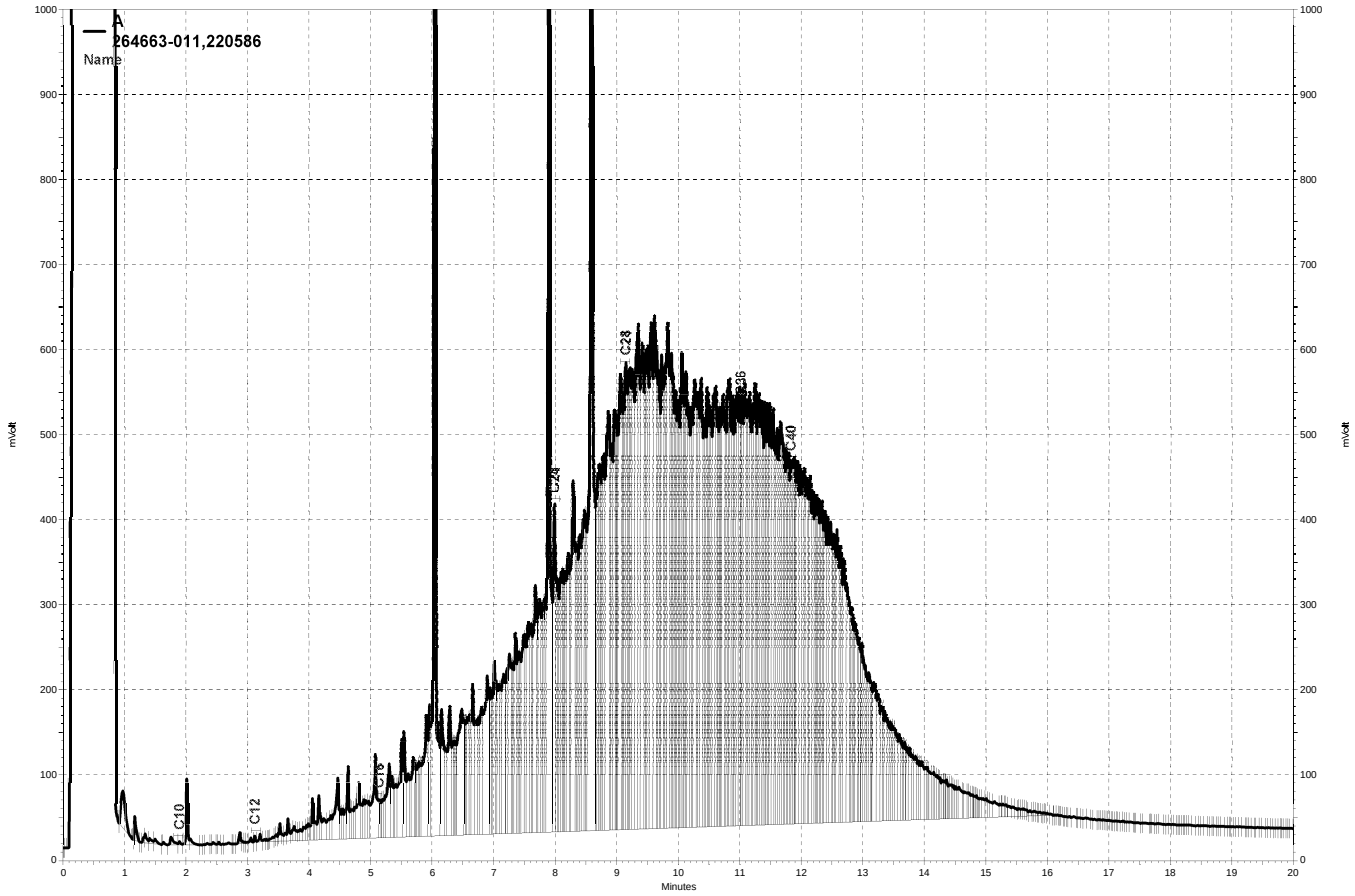

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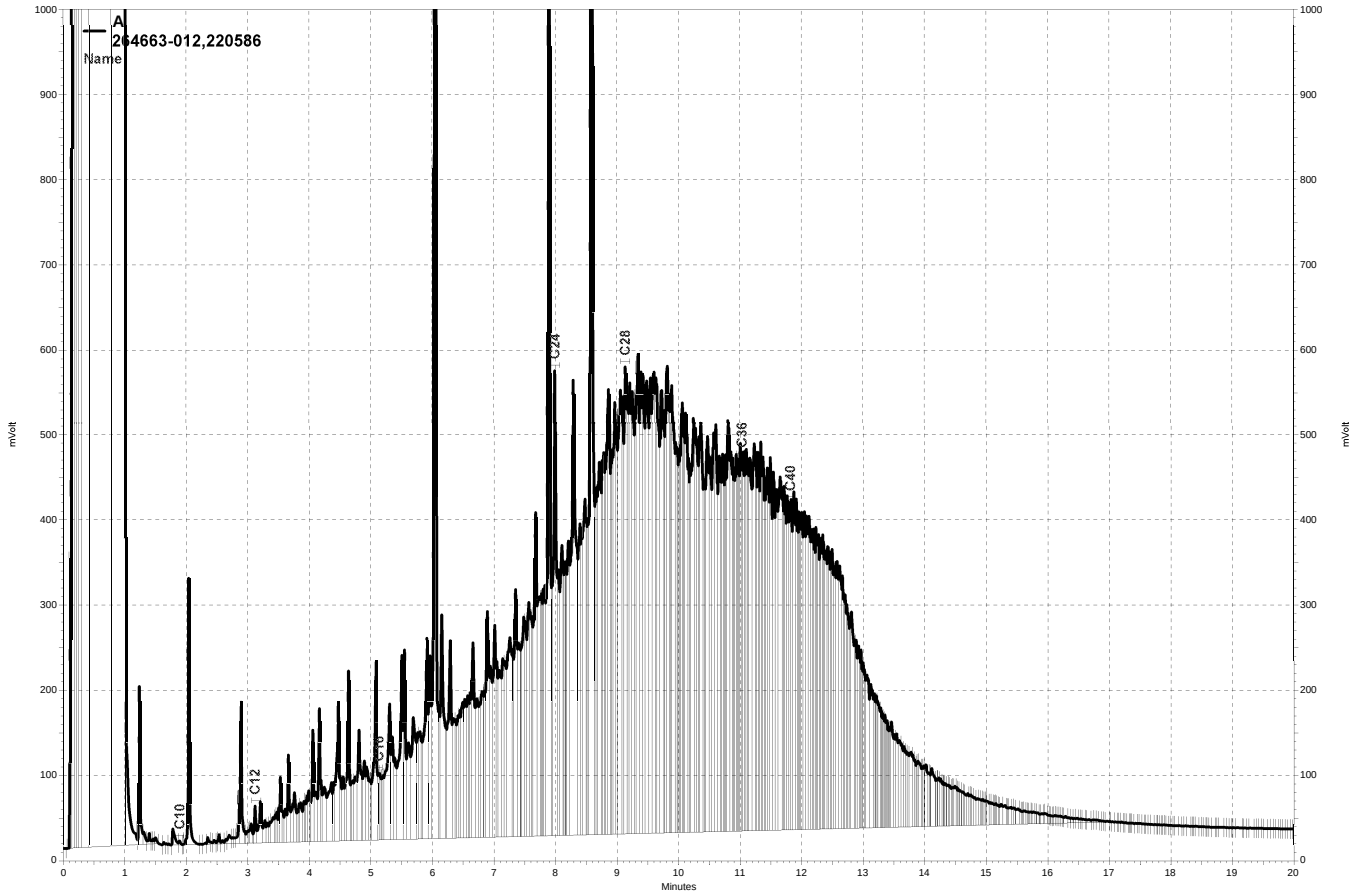

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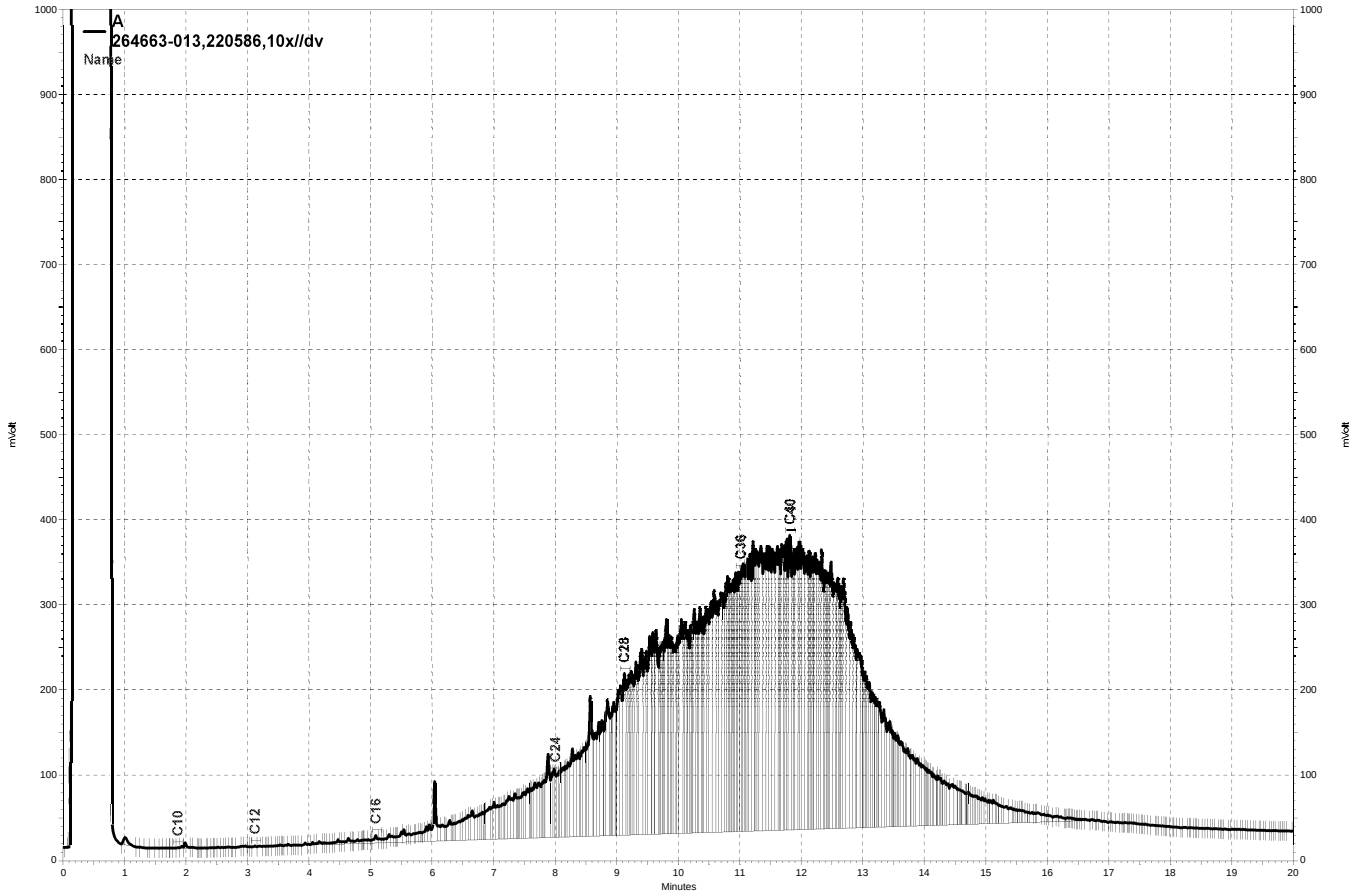

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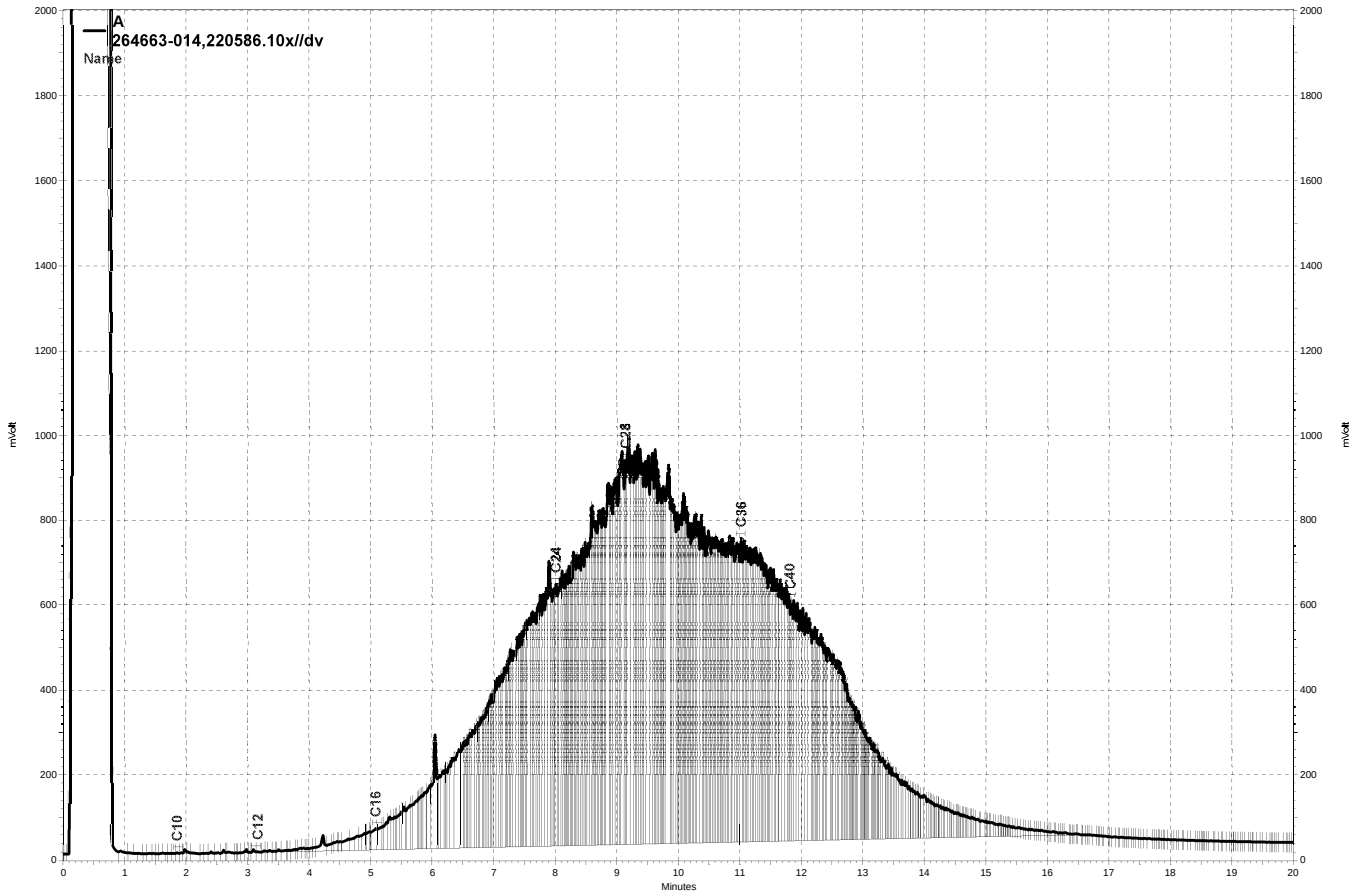

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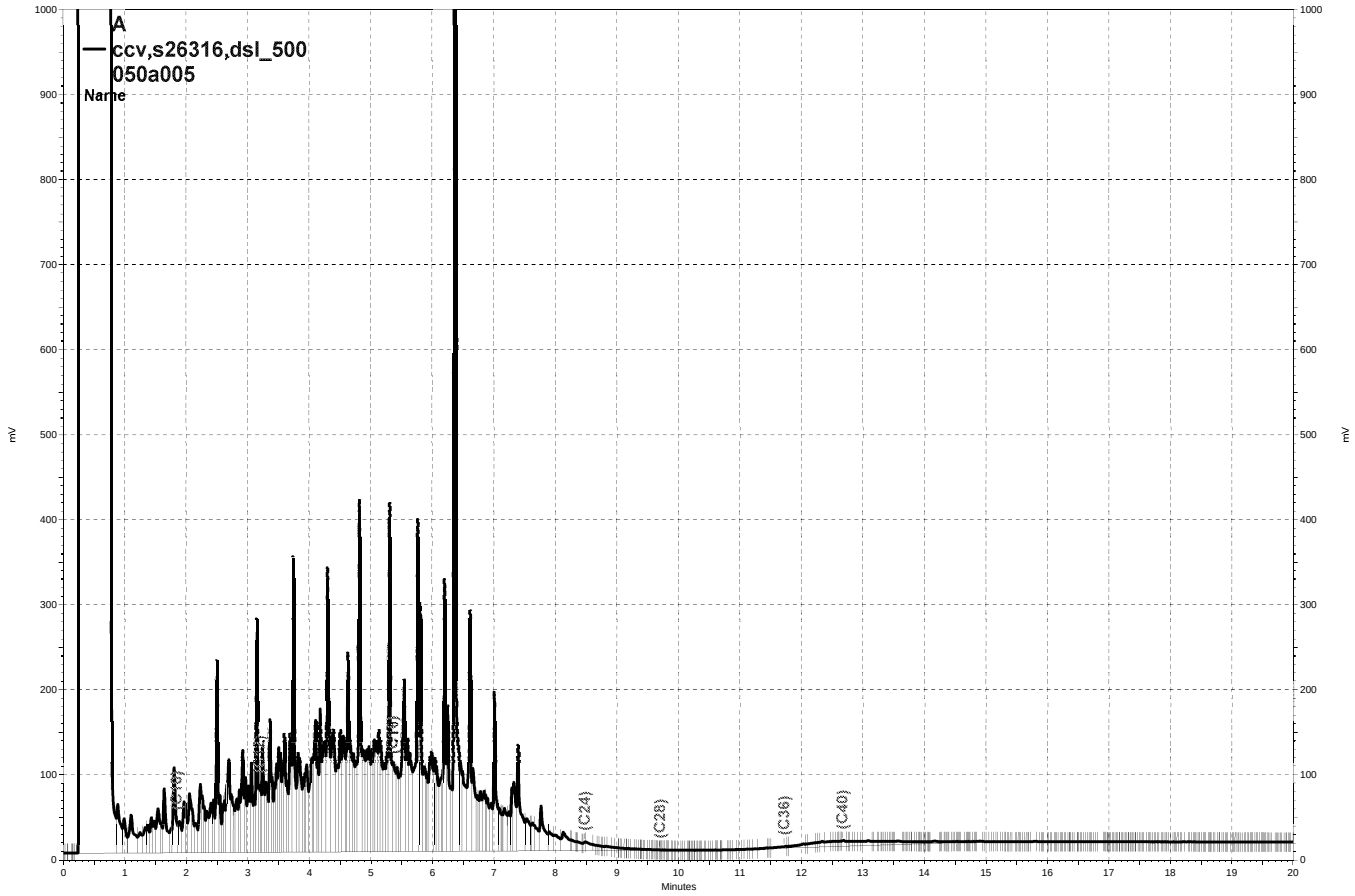

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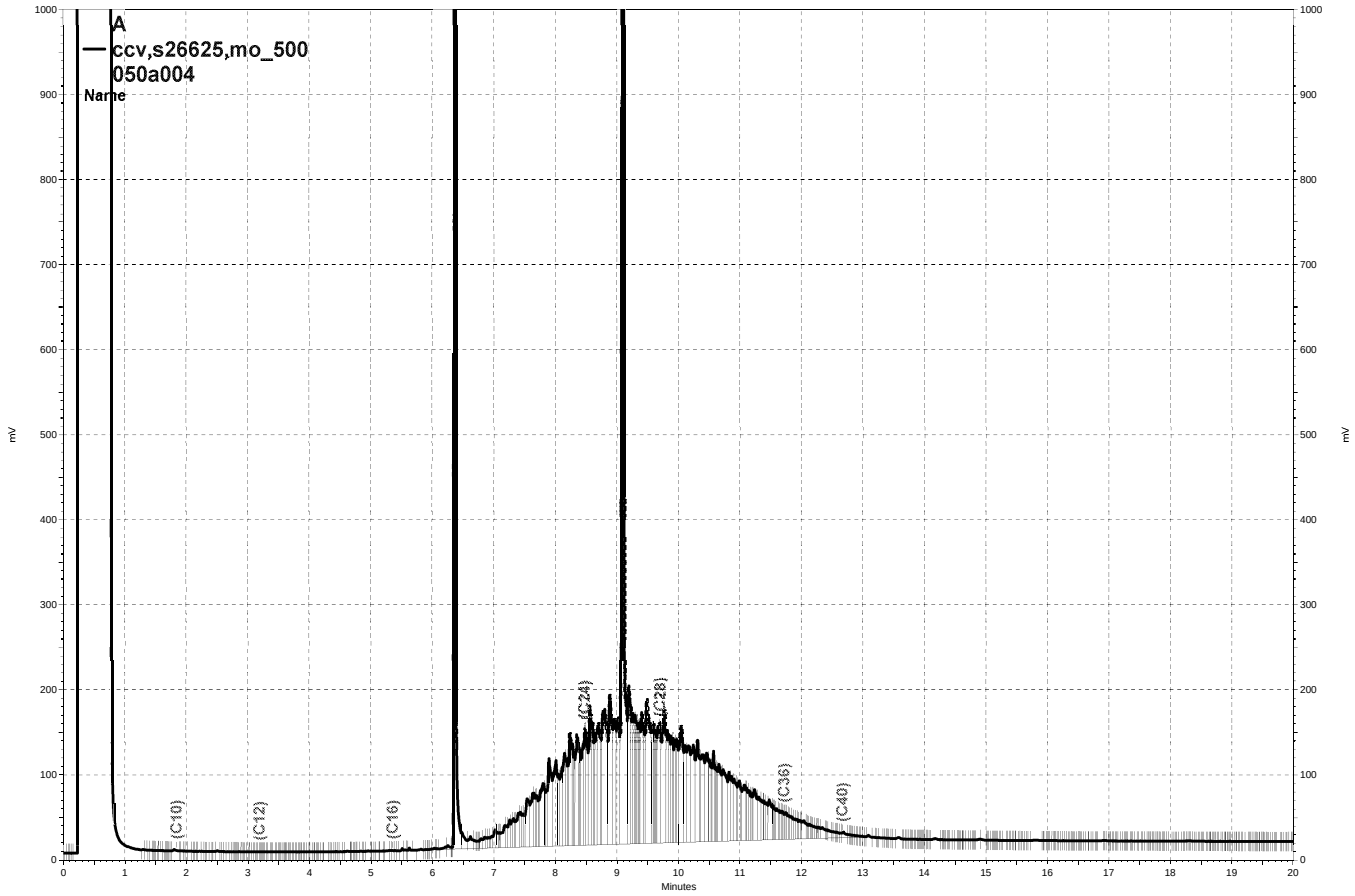

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Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW2	Batch#:	220463
Lab ID:	264663-019	Sampled:	02/12/15
Matrix:	Water	Received:	02/12/15
Units:	ug/L	Analyzed:	02/15/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	17	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW2	Batch#:	220463
Lab ID:	264663-019	Sampled:	02/12/15
Matrix:	Water	Received:	02/12/15
Units:	ug/L	Analyzed:	02/15/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	111	80-128
1,2-Dichloroethane-d4	94	75-139
Toluene-d8	89	80-120
Bromofluorobenzene	94	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW1	Batch#:	220463
Lab ID:	264663-020	Sampled:	02/12/15
Matrix:	Water	Received:	02/12/15
Units:	ug/L	Analyzed:	02/16/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	40	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW1	Batch#:	220463
Lab ID:	264663-020	Sampled:	02/12/15
Matrix:	Water	Received:	02/12/15
Units:	ug/L	Analyzed:	02/16/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	112	80-128
1,2-Dichloroethane-d4	93	75-139
Toluene-d8	90	80-120
Bromofluorobenzene	94	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC777353	Batch#:	220463
Matrix:	Water	Analyzed:	02/15/15
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC777353	Batch#:	220463
Matrix:	Water	Analyzed:	02/15/15
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-128
1,2-Dichloroethane-d4	95	75-139
Toluene-d8	92	80-120
Bromofluorobenzene	93	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	220463
Units:	ug/L	Analyzed:	02/15/15
Diln Fac:	1.000		

Type: BS Lab ID: QC777354

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	12.50	14.23	114	66-135
Benzene	12.50	12.84	103	80-123
Trichloroethene	12.50	12.83	103	80-123
Toluene	12.50	11.66	93	80-121
Chlorobenzene	12.50	11.75	94	80-123

Surrogate	%REC	Limits
Dibromofluoromethane	107	80-128
1,2-Dichloroethane-d4	94	75-139
Toluene-d8	90	80-120
Bromofluorobenzene	91	80-120

Type: BSD Lab ID: QC777355

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	12.50	15.02	120	66-135	5	24
Benzene	12.50	13.40	107	80-123	4	20
Trichloroethene	12.50	13.51	108	80-123	5	20
Toluene	12.50	12.39	99	80-121	6	20
Chlorobenzene	12.50	12.74	102	80-123	8	20

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-128
1,2-Dichloroethane-d4	100	75-139
Toluene-d8	91	80-120
Bromofluorobenzene	90	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	220463
MSS Lab ID:	264633-004	Sampled:	02/12/15
Matrix:	Water	Received:	02/13/15
Units:	ug/L	Analyzed:	02/16/15
Diln Fac:	1.000		

Type: MS Lab ID: QC777360

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.1268	12.50	15.53	124	73-129
Benzene	<0.1000	12.50	14.22	114	80-120
Trichloroethene	20.59	12.50	34.03	108	73-123
Toluene	<0.1000	12.50	12.33	99	80-120
Chlorobenzene	<0.1000	12.50	12.87	103	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-128
1,2-Dichloroethane-d4	100	75-139
Toluene-d8	88	80-120
Bromofluorobenzene	87	80-120

Type: MSD Lab ID: QC777361

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	12.50	15.52	124	73-129	0	25
Benzene	12.50	14.08	113	80-120	1	20
Trichloroethene	12.50	33.08	100	73-123	3	20
Toluene	12.50	12.11	97	80-120	2	21
Chlorobenzene	12.50	12.56	100	80-120	2	24

Surrogate	%REC	Limits
Dibromofluoromethane	110	80-128
1,2-Dichloroethane-d4	100	75-139
Toluene-d8	88	80-120
Bromofluorobenzene	92	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Nickel

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 3010A
Project#:	STANDARD	Analysis:	EPA 6010B
Analyte:	Nickel	Sampled:	02/12/15
Matrix:	Water	Received:	02/12/15
Units:	ug/L	Prepared:	02/18/15
Diln Fac:	1.000	Analyzed:	02/18/15
Batch#:	220544		

Field ID	Type	Lab ID	Result	RL
MW2	SAMPLE	264663-019	ND	5.0
MW1	SAMPLE	264663-020	ND	5.0
	BLANK	QC777661	ND	5.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Zinc

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 3010A
Project#:	STANDARD	Analysis:	EPA 6010B
Analyte:	Zinc	Sampled:	02/12/15
Matrix:	Water	Received:	02/12/15
Units:	ug/L	Prepared:	02/18/15
Diln Fac:	1.000	Analyzed:	02/18/15
Batch#:	220544		

Field ID	Type	Lab ID	Result	RL
MW2	SAMPLE	264663-019	ND	20
MW1	SAMPLE	264663-020	ND	20
	BLANK	QC777661	ND	20

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Nickel

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 3010A
Project#:	STANDARD	Analysis:	EPA 6010B
Analyte:	Nickel	Batch#:	220544
Field ID:	ZZZZZZZZZZ	Sampled:	02/11/15
MSS Lab ID:	264659-001	Received:	02/12/15
Matrix:	Water	Prepared:	02/18/15
Units:	ug/L	Analyzed:	02/18/15
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC777662		100.0	92.58	93	80-120		
BSD	QC777663		100.0	93.15	93	80-120	1	20
MS	QC777664	1.251	100.0	86.27	85	80-120		
MSD	QC777665		100.0	89.30	88	80-120	3	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Zinc

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 3010A
Project#:	STANDARD	Analysis:	EPA 6010B
Analyte:	Zinc	Batch#:	220544
Field ID:	ZZZZZZZZZZ	Sampled:	02/11/15
MSS Lab ID:	264659-001	Received:	02/12/15
Matrix:	Water	Prepared:	02/18/15
Units:	ug/L	Analyzed:	02/18/15
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC777662		100.0	96.39	96	80-120		
BSD	QC777663		100.0	97.49	97	80-120	1	20
MS	QC777664	6.709	100.0	99.20	92	80-122		
MSD	QC777665		100.0	102.5	96	80-122	3	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California LUFT Metals

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Matrix:	Soil	Sampled:	02/12/15
Units:	mg/Kg	Received:	02/12/15
Basis:	as received	Prepared:	02/18/15
Batch#:	220552		

Field ID: Z4-1 (0"-6")
Type: SAMPLE
Lab ID: 264663-001
Diln Fac: 1.000
Analyzed: 02/20/15

Analyte	Result	RL
Cadmium	2.7	0.24
Chromium	93	0.24
Lead	210	0.24
Nickel	41	0.24
Zinc	420	0.97

Field ID: Z4-2 (6"-12")
Type: SAMPLE
Lab ID: 264663-002

Analyte	Result	RL	Diln Fac	Analyzed
Cadmium	3.3	0.25	1.000	02/20/15
Chromium	650	25	100.0	02/23/15
Lead	90	0.25	1.000	02/20/15
Nickel	63	0.25	1.000	02/20/15
Zinc	460	1.0	1.000	02/20/15

Field ID: Z5-1 (0"-6")
Type: SAMPLE
Lab ID: 264663-003
Diln Fac: 1.000
Analyzed: 02/20/15

Analyte	Result	RL
Cadmium	0.71	0.27
Chromium	43	0.27
Lead	10	0.27
Nickel	56	0.27
Zinc	51	1.1

Field ID: Z5-2 (6"-12")
Type: SAMPLE
Lab ID: 264663-004

Analyte	Result	RL	Diln Fac	Analyzed
Cadmium	1.4	0.25	1.000	02/20/15
Chromium	780	25	100.0	02/23/15
Lead	34	0.25	1.000	02/20/15
Nickel	31	0.25	1.000	02/20/15
Zinc	190	1.0	1.000	02/20/15

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California LUFT Metals

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Matrix:	Soil	Sampled:	02/12/15
Units:	mg/Kg	Received:	02/12/15
Basis:	as received	Prepared:	02/18/15
Batch#:	220552		

Field ID: Z3-1 (0"-6") Diln Fac: 1.000
Type: SAMPLE Analyzed: 02/20/15
Lab ID: 264663-013

Analyte	Result	RL
Cadmium	0.82	0.28
Chromium	110	0.28
Lead	15	0.28
Nickel	130	0.28
Zinc	46	1.1

Field ID: Z3-2 (6"-12") Diln Fac: 1.000
Type: SAMPLE Analyzed: 02/20/15
Lab ID: 264663-014

Analyte	Result	RL
Cadmium	3.7	0.27
Chromium	50	0.27
Lead	220	0.27
Nickel	40	0.27
Zinc	230	1.1

Field ID: Z1-1 (0"-6") Diln Fac: 1.000
Type: SAMPLE Analyzed: 02/20/15
Lab ID: 264663-015

Analyte	Result	RL
Cadmium	0.75	0.23
Chromium	32	0.23
Lead	8.1	0.23
Nickel	40	0.23
Zinc	44	0.93

Field ID: Z1-2 (6"-12") Lab ID: 264663-016
Type: SAMPLE

Analyte	Result	RL	Diln Fac	Analyzed
Cadmium	5.1	0.26	1.000	02/20/15
Chromium	910	26	100.0	02/23/15
Lead	300	0.26	1.000	02/20/15
Nickel	55	0.26	1.000	02/20/15
Zinc	1,900	100	100.0	02/23/15

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California LUFT Metals

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Matrix:	Soil	Sampled:	02/12/15
Units:	mg/Kg	Received:	02/12/15
Basis:	as received	Prepared:	02/18/15
Batch#:	220552		

Field ID:	Z2-1 (0"-6")	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	02/20/15
Lab ID:	264663-017		

Analyte	Result	RL
Cadmium	1.8	0.23
Chromium	53	0.23
Lead	100	0.23
Nickel	55	0.23
Zinc	150	0.91

Field ID:	Z2-2 (6"-12")	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	02/20/15
Lab ID:	264663-018		

Analyte	Result	RL
Cadmium	0.97	0.26
Chromium	34	0.26
Lead	29	0.26
Nickel	31	0.26
Zinc	76	1.0

Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC777699	Analyzed:	02/20/15

Analyte	Result	RL
Cadmium	ND	0.25
Chromium	ND	0.25
Lead	ND	0.25
Nickel	ND	0.25
Zinc	ND	1.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Zinc

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Analyte:	Zinc	Batch#:	220552
Matrix:	Soil	Sampled:	02/12/15
Units:	mg/Kg	Received:	02/12/15
Basis:	as received	Prepared:	02/18/15

Field ID	Type	Lab ID	Result	RL	Diln Fac	Analyzed
Z7-1 (0"-6")	SAMPLE	264663-005	110	0.92	1.000	02/20/15
Z7-2 (6"-12")	SAMPLE	264663-006	130	0.93	1.000	02/20/15
Z8-1 (0"-6")	SAMPLE	264663-007	30	1.1	1.000	02/20/15
Z8-2 (6"-12")	SAMPLE	264663-008	1,000	110	100.0	02/23/15
Z9-1 (0"-6")	SAMPLE	264663-009	1,100	95	100.0	02/23/15
Z9-2 (6"-12")	SAMPLE	264663-010	320	1.0	1.000	02/20/15
Z6-1 (0"-6")	SAMPLE	264663-011	1,000	110	100.0	02/23/15
Z6-2 (6"-12")	SAMPLE	264663-012	970	110	100.0	02/23/15
	BLANK	QC777699	ND	1.0	1.000	02/20/15

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California LUFT Metals

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Matrix:	Soil	Batch#:	220552
Units:	mg/Kg	Prepared:	02/18/15
Diln Fac:	5.000	Analyzed:	02/20/15

Type: BS Lab ID: QC777700

Analyte	Spiked	Result	%REC	Limits
Cadmium	50.00	48.84	98	80-120
Chromium	50.00	46.21	92	80-120
Lead	50.00	45.04	90	80-120
Nickel	50.00	45.63	91	80-120
Zinc	50.00	47.18	94	80-120

Type: BSD Lab ID: QC777701

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Cadmium	50.00	49.28	99	80-120	1	20
Chromium	50.00	46.73	93	80-120	1	20
Lead	50.00	44.87	90	80-120	0	20
Nickel	50.00	46.22	92	80-120	1	20
Zinc	50.00	46.84	94	80-120	1	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Zinc

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Analyte:	Zinc	Diln Fac:	5.000
Field ID:	Z4-1 (0"-6")	Batch#:	220552
MSS Lab ID:	264663-001	Sampled:	02/12/15
Matrix:	Soil	Received:	02/12/15
Units:	mg/Kg	Prepared:	02/18/15
Basis:	as received	Analyzed:	02/20/15

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC777700		50.00	47.18	94	80-120		
BSD	QC777701		50.00	46.84	94	80-120	1	20
MS	QC777702	417.4	53.19	456.0	72 NM	45-145		
MSD	QC777703		51.02	752.0	656 NM	45-145	49 *	39

*= Value outside of QC limits; see narrative
NM= Not Meaningful: Sample concentration > 4X spike concentration
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California LUFT Metals

Lab #:	264663	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Field ID:	Z4-1 (0"-6")	Batch#:	220552
MSS Lab ID:	264663-001	Sampled:	02/12/15
Matrix:	Soil	Received:	02/12/15
Units:	mg/Kg	Prepared:	02/18/15
Basis:	as received	Analyzed:	02/20/15
Diln Fac:	5.000		

Type: MS Lab ID: QC777702

Analyte	MSS Result	Spiked	Result	%REC	Limits
Cadmium	2.672	53.19	50.78	90	71-120
Chromium	92.86	53.19	150.4	108	57-133
Lead	210.5	53.19	208.4	-4 *	53-125
Nickel	40.65	53.19	83.94	81	44-141
Zinc	417.4	53.19	456.0	72 NM	45-145

Type: MSD Lab ID: QC777703

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Cadmium	51.02	50.82	94	71-120	4	25
Chromium	51.02	185.7	182 *	57-133	22	33
Lead	51.02	329.4	233 NM	53-125	46 *	42
Nickel	51.02	86.29	89	44-141	5	39
Zinc	51.02	752.0	656 NM	45-145	49 *	39

*= Value outside of QC limits; see narrative
NM= Not Meaningful: Sample concentration > 4X spike concentration
RPD= Relative Percent Difference


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Analytical Laboratories, Since 1878

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 263880
ANALYTICAL REPORT

Chemical Data Management Systems	Project : STANDARD
6515 Trinity Court	Location : Economy Trucking
Dublin, CA 94568	Level : II

Sample ID	Lab ID
Z 5-6"	263880-001
Z-5-12"	263880-002
Z-4-6"	263880-003
Z-4-12"	263880-004
Z-7-6"	263880-005
Z-6-6"	263880-006
Z-7.2 6"	263880-007
Z-7.2-12"	263880-008
Z 8-6"	263880-009
Z 3-6"	263880-010
Z 3-12"	263880-011
MW-1	263880-012
MW-2	263880-013
Z-1-6"	263880-014
Z-1-12"	263880-015

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: Tracy Babjar Date: 01/21/2015

Tracy Babjar
Project Manager
tracy.babjar@ctberk.com
(510) 204-2226

CA ELAP# 2896, NELAP# 4044-001

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**263880**
Client:	**Chemical Data Management Systems**
Location:	**Economy Trucking**
Request Date:	**01/13/15**
Samples Received:	**01/13/15**

This data package contains sample and QC results for eight soil samples and two water samples, requested for the above referenced project on 01/13/15. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B):
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Metals (EPA 6010B) Water:
Low recoveries were observed for lead in the MS/MSD for batch 219441; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPD was within limits. No other analytical problems were encountered.

Metals (EPA 6010B) Soil:
High recovery was observed for chromium in the MS of Z 5-6" (lab # 263880-001); the BS/BSD were within limits, and the associated RPD was within limits. High RPD was observed for lead and zinc in the MS/MSD of Z 5-6" (lab # 263880-001); the RPD was acceptable in the BS/BSD. No other analytical problems were encountered.

Subject: Re: Economy Trucking - C&T Data (263880)
From: Jim Carro <jim@cdms.com>
Date: 1/21/2015 2:52 PM
To: Tracy Babjar <tracy.babjar@ctberk.com>

Can you still run the LUFT 5 metals on the water samples?

> On Jan 21, 2015, at 8:33 AM, Tracy Babjar <tracy.babjar@ctberk.com> wrote:
>
> Hi James,
>
> Final report and invoice.
>
> Have a great day!
>
> Tracy
>
> Please find attached the following files:
> • Invoice
> • PDF Deliverable
>
> You may also access this data at https://labline.ctberk.com/
> Email was also sent to: accounting@cdms.com, ronda@cdms.com
>
> C&T sends its e-reports via the Internet as Portable Document Format (PDF) files. Reports in this format, when accompanied by a signed cover page, are considered official reports. **No hardcopy reports will be sent either by fax or U.S. Postal Service unless otherwise requested.** You may distribute your PDF files electronically or as printed hardcopies, as long as they are distributed in their entirety.

Attachments:

CHAIN OF COUSTODY

Curtis & Tompkins Laboratories
ENVIRONMENTAL ANALYTICAL TESTING LABORATORY
In Business Since 1878

2323 Fifth Street
Berkeley, CA 94710

Phone (510) 486-0900
Fax (510) 486-0532

C&T LOGIN # 263880

Page 2 of 2

Chain of Custody #

Project No:

Project Name:

Project P. O. No:

EDD Format: Report Level ☐ II ☐ III ☐ IV

Turnaround Time: ☐ RUSH ☐ Standard

Sampler: Jim Carro

Report To:

Company:

Telephone:

Email: jim@cdms.com

Lab No.	Sample ID.	Date Collected	Time Collected	Water	Solid	# of Containers	HCl	H2SO4	HNO3	NaOH	None	TPH Gas 8015	TPH Diesel 8015	TPH Motor Oil 8015	Volatile Petro Hydrocarbons	Nickel	MTBE & NAPHTHALENE 8260	LUFTS
12	MW-1	1/12/15	12:30	✓		3	✓				✓	✓						
12	MW-1	"	"	✓		3											✓	
12	MW-1	"	"	✓		2			✓							✓		
12	MW-1	"	"	✓		2							✓	✓				
13	MW-2	"	"	✓		3						✓						
13	MW-2	"	"	✓		3											✓	
13	MW-2	"	"	✓		1			✓							✓		
13	MW-2	"	"	✓		2							✓	✓				
	CARRO	1/12/15	4pm	✓		1												X

Notes: Separate Jch

SAMPLE RECEIPT
☑ Intact
☑ Cold
☑ On Ice
☐ Ambient

RELINQUISHED BY: 1/12

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	3:15	3:15		1/12	3:15 pm
	1-13	11:05			

CHAIN OF CUSTODY

Curtis & Tompkins Laboratories
ENVIRONMENTAL ANALYTICAL TESTING LABORATORY
In Business Since 1878

2323 Fifth Street
Berkeley, CA 94710

Phone (510) 486-0900
Fax (510) 486-0532

C&T LOGIN # 203880

Chain of Custody # _____

Project No: Economy Truck (5)
Project Name:
Project P. O. No:
EDD Format: Report Level ☐ II ☐ III ☐ IV
Turnaround Time: ☐ RUSH _____ ☐ Standard

Sampler: J. CARRO
Report To:
Company: CDMS
Telephone: 925-766-3265
Email: jim@cdms.com

Lab No.	Sample ID.	SAMPLING		MATRIX			# of Containers	CHEMICAL PRESERVATIVE					ANALYTICAL REQUEST
		Date Collected	Time Collected	Water	Solid			HCl	H2SO4	HNO3	NaOH	None	TPH Gasoline / TPH Diesel / TPH Motor Oil / Volatile Petr. Hydrocarbons / Nickel / CAM 17 Metals
1	Z-5-6"	1/12/15	9:24A		✓								✓
2	Z-5-12"	1/12/15	9:40A		✓								✓
3	Z-4-6"	1/12/15	9:49A		✓								✓
4	Z-4-12"	1/12/15	10:00A		✓								✓
5	Z-7-6"	1/12/15	10:46A		✓								✓
~~6~~	~~Z-7-12" No Sample~~	~~1/12/15~~											
6	Z-6-6"	1/12/15	11:05A		✓								✓
	~~Z-8-12" No Sample~~												
7	Z-7.2 6"	1/12/15	11:50A		✓								✓
8	Z-7.2 12"	1/12/15	11:56A		✓								✓
9	Z-8-6"	1/12/15	12:20P		✓								✓
10	Z-3-6"	1/12/15	1:20P		✓								✓
11	Z-3-12"	1/12/15	1:25P		✓								✓

Notes:

SAMPLE RECEIPT
☒ Intact
☐ Cold
☐ On Ice
☐ Ambient

RELINQUISHED BY:
DATE: 1/12 TIME: 3PM
DATE: 1/13 TIME: 11:05
DATE: TIME:

RECEIVED BY:
DATE: 1/12 TIME: 3:00 pm
DATE: 1/13/15 TIME: 11:05
DATE: TIME:

COOLER RECEIPT CHECKLIST — Curtis & Tompkins, Ltd.

Login # 263880 Date Received 1/13/15 Number of coolers 1
Client CDMS Project Economy packing

Date Opened 1/13 By (print) " (sign) "
Date Logged in " By (print) " (sign) "

1. Did cooler come with a shipping slip (airbill, etc) YES **(NO)**
   Shipping info ______
2A. Were custody seals present? .... ☐ YES (circle) on cooler on samples ☒ NO
   How many ______ Name ______ Date ______
2B. Were custody seals intact upon arrival? YES NO **(N/A)**
3. Were custody papers dry and intact when received? **(YES)** NO
4. Were custody papers filled out properly (ink, signed, etc)? **(YES)** NO
5. Is the project identifiable from custody papers? (If so fill out top of form) **(YES)** NO
6. Indicate the packing in cooler: (if other, describe) ______

   ☒ Bubble Wrap ☒ Foam blocks ☐ Bags ☐ None
   ☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels
7. Temperature documentation: * Notify PM if temperature exceeds 6°C

   Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None Temp(°C) 6.0°

   ☐ Samples Received on ice & cold without a temperature blank; temp. taken with IR gun

   ☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? YES **(NO)**
   If YES, what time were they transferred to freezer? ______
9. Did all bottles arrive unbroken/unopened? **(YES)** NO
10. Are there any missing / extra samples? **(YES)** NO
11. Are samples in the appropriate containers for indicated tests? **(YES)** NO
12. Are sample labels present, in good condition and complete? **(YES)** NO
13. Do the sample labels agree with custody papers? **(YES)** NO
14. Was sufficient amount of sample sent for tests requested? **(YES)** NO
15. Are the samples appropriately preserved? **(YES)** NO N/A
16. Did you check preservatives for all bottles for each sample? **(YES)** NO N/A
17. Did you document your preservative check? **(YES)** NO N/A
18. Did you change the hold time in LIMS for unpreserved VOAs? YES NO **(N/A)**
19. Did you change the hold time in LIMS for preserved terracores? YES NO **(N/A)**
20. Are bubbles > 6mm absent in VOA samples? YES **(NO)** N/A
21. Was the client contacted concerning this sample delivery? YES **(NO)**
    If YES, Who was called? [illegible] By CDM Date: 1/21

COMMENTS -
10) Received 2 extra samples (Z-1-6") sampled 1/12/15 @ 1335 & (Z-1-12") sampled @ 1340 on 1/12/15. Z-1-12" Has been placed on hold & Z-1-6" has been logged to be analyzed for Luft metals JJ
20) 2/6 VOAs for -013 rcvd w/ bubbles > 6mm

re analyze water samples for Luft 5 met 1/21

Rev 10, 9/12

Curtis & Tompkins, Ltd.

Detections Summary for 263880

Results for any subcontracted analyses are not included in this summary.

Client : Chemical Data Management Systems
Project : STANDARD
Location : Economy Trucking

Client Sample ID : Z 5-6" Laboratory Sample ID : 263880-001

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Cadmium	4.1		0.27	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Chromium	200		0.27	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Lead	350		0.27	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Nickel	44		0.27	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Zinc	820		110	mg/Kg	As Recd	100.0	EPA 6010B	EPA 3050B

Client Sample ID : Z-4-6" Laboratory Sample ID : 263880-003

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Cadmium	5.2		0.27	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Chromium	490		0.27	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Lead	190		0.27	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Nickel	66		0.27	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Zinc	870		110	mg/Kg	As Recd	100.0	EPA 6010B	EPA 3050B

Client Sample ID : Z-7-6" Laboratory Sample ID : 263880-005

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Cadmium	1.6		0.25	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Chromium	110		0.25	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Lead	120		0.25	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Nickel	61		0.25	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Zinc	180		0.99	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B

Client Sample ID : Z-6-6" Laboratory Sample ID : 263880-006

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Cadmium	2.0		0.26	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Chromium	440		0.26	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Lead	100		0.26	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Nickel	34		0.26	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Zinc	920		100	mg/Kg	As Recd	100.0	EPA 6010B	EPA 3050B

Curtis & Tompkins, Ltd.

Client Sample ID : Z-7.2 6" Laboratory Sample ID : 263880-007

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Cadmium	0.70		0.23	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Chromium	48		0.23	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Lead	49		0.23	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Nickel	79		0.23	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Zinc	84		0.91	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B

Client Sample ID : Z 8-6" Laboratory Sample ID : 263880-009

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Cadmium	5.1		0.24	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Chromium	160		0.24	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Lead	340		0.24	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Nickel	52		0.24	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Zinc	640		95	mg/Kg	As Recd	100.0	EPA 6010B	EPA 3050B

Client Sample ID : Z 3-6" Laboratory Sample ID : 263880-010

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Cadmium	0.60		0.25	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Chromium	63		0.25	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Lead	19		0.25	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Nickel	77		0.25	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Zinc	59		1.0	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B

Client Sample ID : MW-1 Laboratory Sample ID : 263880-012

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Diesel C10-C24	2,400	Y	50	ug/L	As Recd	1.000	EPA 8015B	EPA 3520C
Motor Oil C24-C36	4,300		300	ug/L	As Recd	1.000	EPA 8015B	EPA 3520C
MTBE	42		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Zinc	46		20	ug/L	TOTAL	1.000	EPA 6010B	EPA 3010A

Client Sample ID : MW-2 Laboratory Sample ID : 263880-013

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Diesel C10-C24	3,100	Y	50	ug/L	As Recd	1.000	EPA 8015B	EPA 3520C
Motor Oil C24-C36	3,400		300	ug/L	As Recd	1.000	EPA 8015B	EPA 3520C
MTBE	9.3		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Chromium	11		5.0	ug/L	TOTAL	1.000	EPA 6010B	EPA 3010A
Nickel	8.9		5.0	ug/L	TOTAL	1.000	EPA 6010B	EPA 3010A
Zinc	68		20	ug/L	TOTAL	1.000	EPA 6010B	EPA 3010A

Curtis & Tompkins, Ltd.

Client Sample ID : Z-1-6" Laboratory Sample ID : 263880-014

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Cadmium	0.64		0.24	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Chromium	44		0.24	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Lead	28		0.24	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Nickel	46		0.24	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Zinc	87		0.94	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B

Y = Sample exhibits chromatographic pattern which does not resemble standard

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	263880	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	01/12/15
Units:	ug/L	Received:	01/13/15
Diln Fac:	1.000	Analyzed:	01/20/15
Batch#:	219582		

Field ID: MW-1 Lab ID: 263880-012
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	99	80-132

Field ID: MW-2 Lab ID: 263880-013
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	100	80-132

Type: BLANK Lab ID: QC773967

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	94	80-132

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	263880	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC773966	Batch#:	219582
Matrix:	Water	Analyzed:	01/20/15
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	923.5	92	80-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	98	80-132

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	263880	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	219582
MSS Lab ID:	263973-001	Sampled:	01/15/15
Matrix:	Water	Received:	01/16/15
Units:	ug/L	Analyzed:	01/20/15
Diln Fac:	1.000		

Type: MS Lab ID: QC773971

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	21.83	2,000	1,729	85	76-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	101	80-132

Type: MSD Lab ID: QC773972

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,756	87	76-120	2	20

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	100	80-132

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	263880	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	01/12/15
Units:	ug/L	Received:	01/13/15
Diln Fac:	1.000	Prepared:	01/14/15
Batch#:	219424		

Field ID: MW-1 Lab ID: 263880-012
Type: SAMPLE Analyzed: 01/16/15

Analyte	Result	RL
Diesel C10-C24	2,400 Y	50
Motor Oil C24-C36	4,300	300

Surrogate	%REC	Limits
o-Terphenyl	68	67-136

Field ID: MW-2 Lab ID: 263880-013
Type: SAMPLE Analyzed: 01/19/15

Analyte	Result	RL
Diesel C10-C24	3,100 Y	50
Motor Oil C24-C36	3,400	300

Surrogate	%REC	Limits
o-Terphenyl	90	67-136

Type: BLANK Analyzed: 01/15/15
Lab ID: QC773373

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
o-Terphenyl	95	67-136

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	263880	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	219424
Units:	ug/L	Prepared:	01/14/15
Diln Fac:	1.000	Analyzed:	01/15/15

Type: BS Lab ID: QC773374

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	1,904	76	60-121

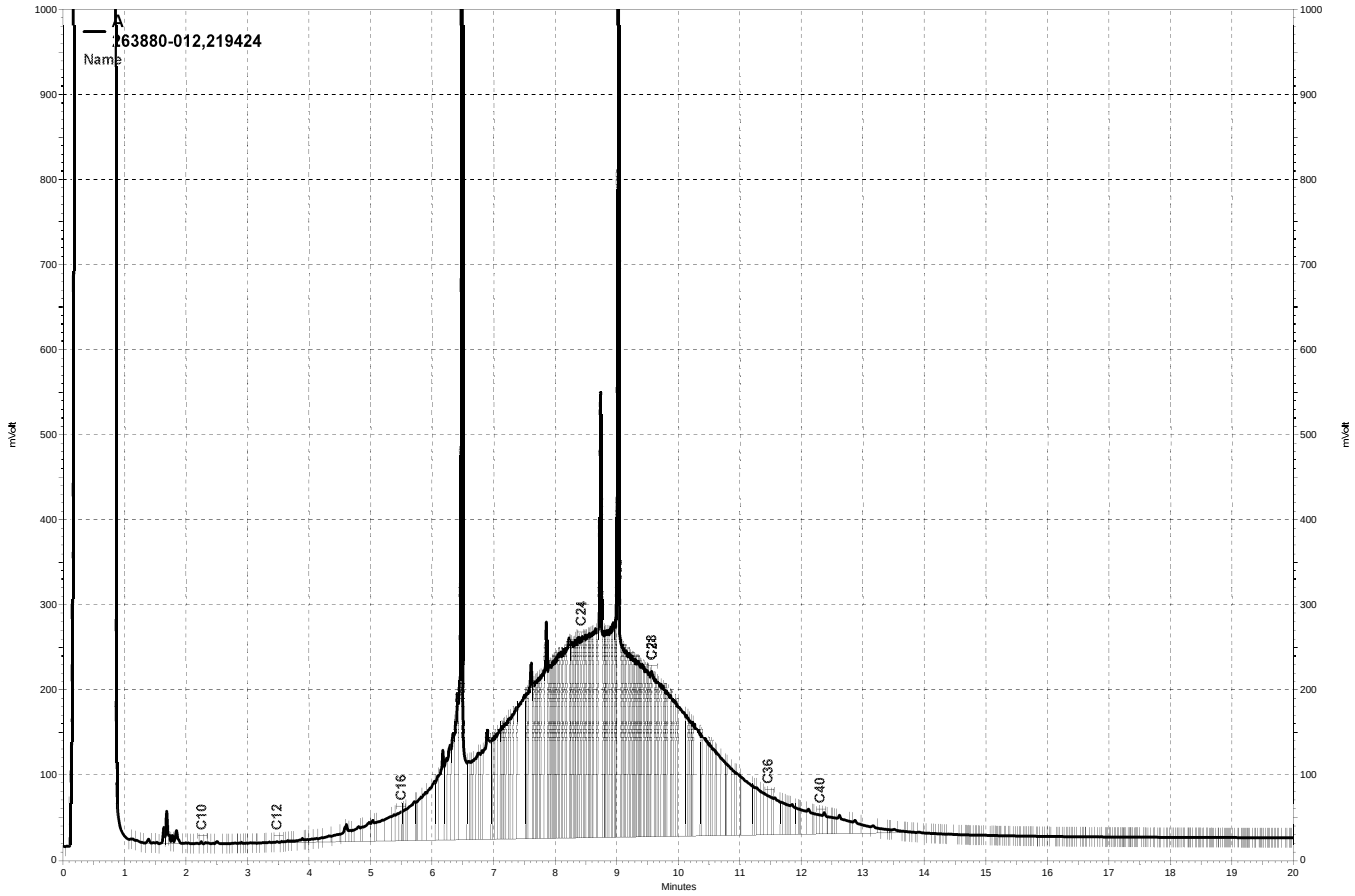
Surrogate	%REC	Limits
o-Terphenyl	93	67-136

Type: BSD Lab ID: QC773375

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,057	82	60-121	8	32

Surrogate	%REC	Limits
o-Terphenyl	98	67-136

RPD= Relative Percent Difference



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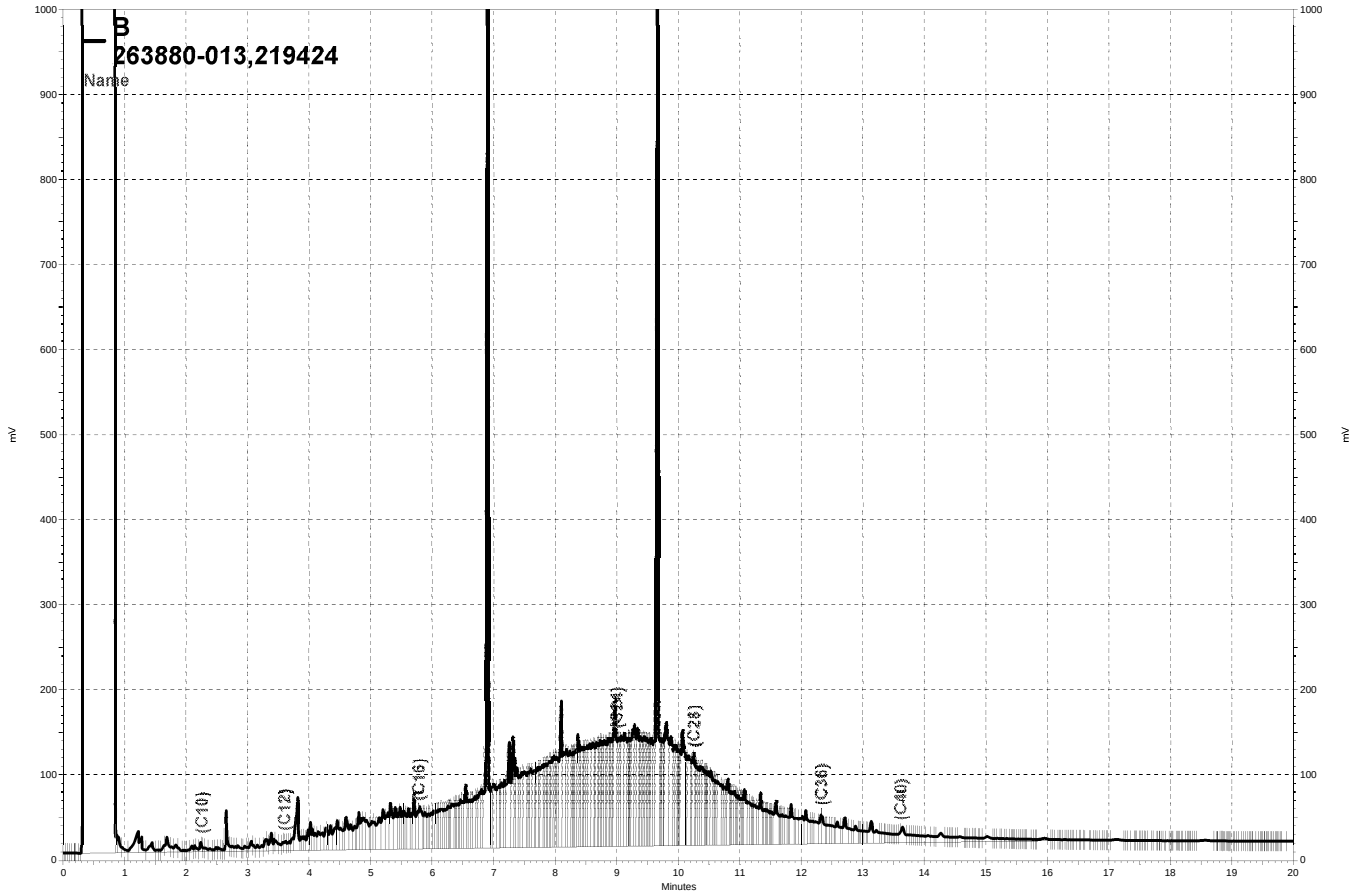

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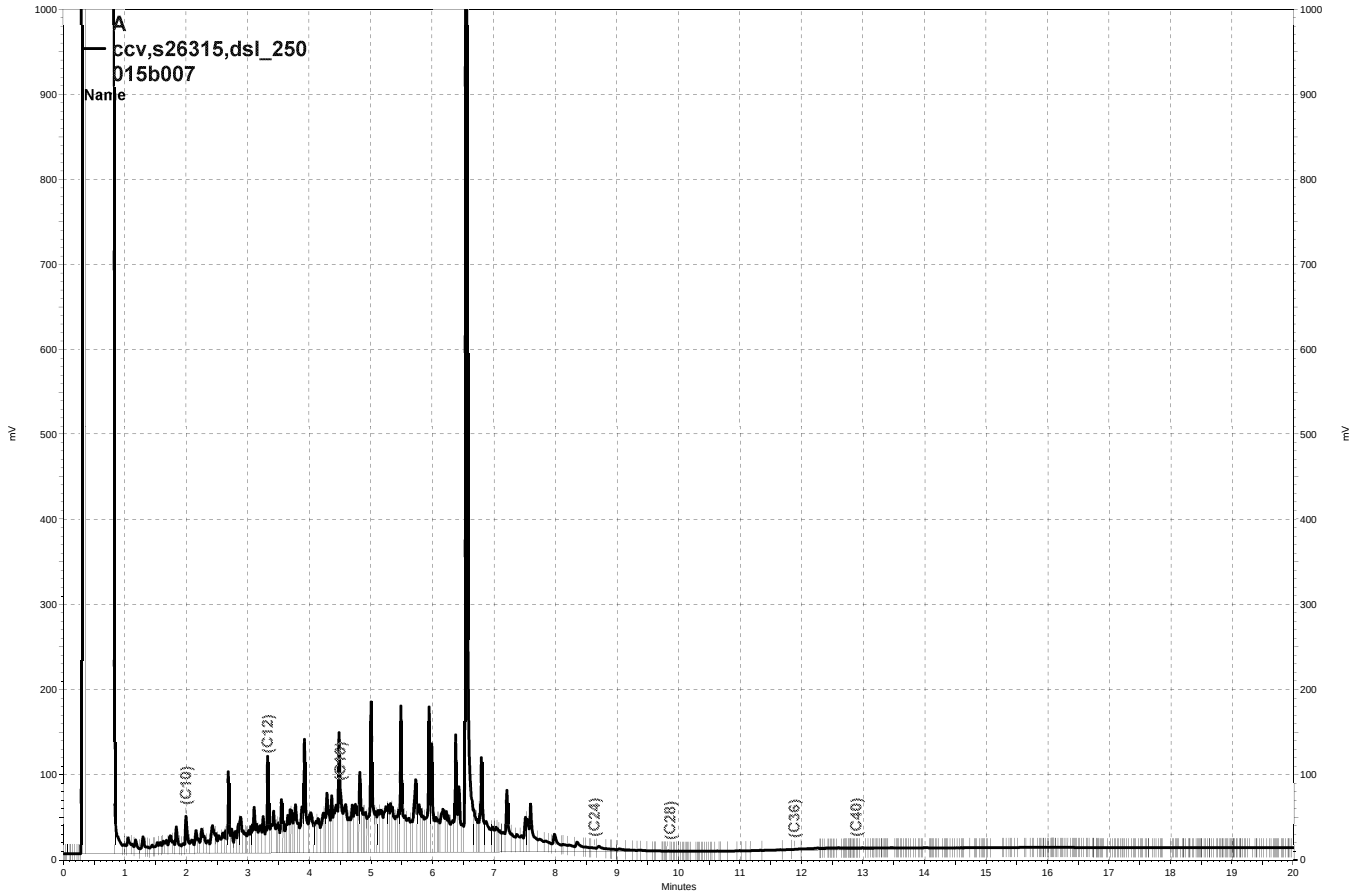

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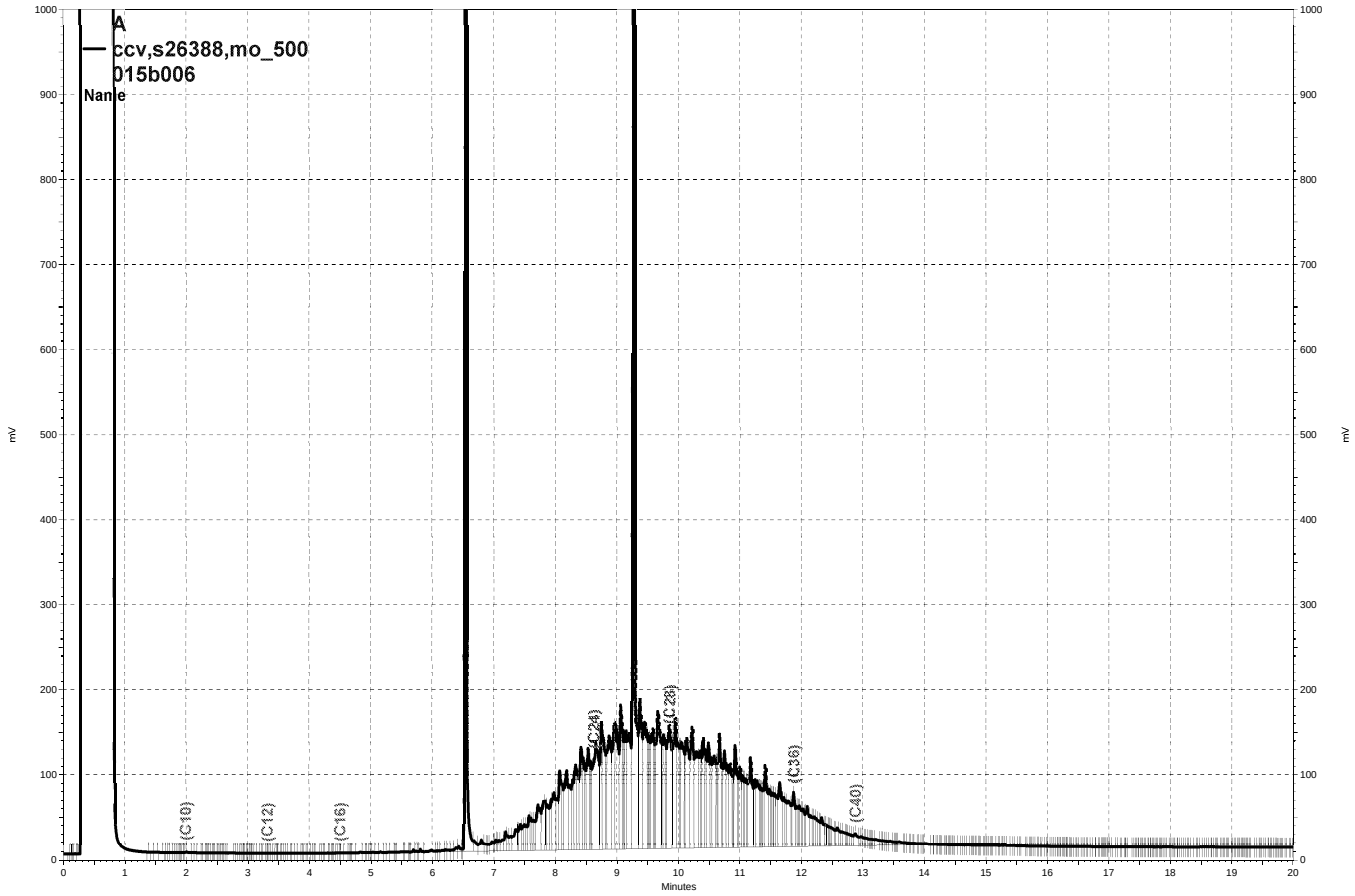

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Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	263880	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-1	Batch#:	219394
Lab ID:	263880-012	Sampled:	01/12/15
Matrix:	Water	Received:	01/13/15
Units:	ug/L	Analyzed:	01/14/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	42	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	263880	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-1	Batch#:	219394
Lab ID:	263880-012	Sampled:	01/12/15
Matrix:	Water	Received:	01/13/15
Units:	ug/L	Analyzed:	01/14/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-128
1,2-Dichloroethane-d4	119	75-139
Toluene-d8	106	80-120
Bromofluorobenzene	88	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	263880	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-2	Batch#:	219394
Lab ID:	263880-013	Sampled:	01/12/15
Matrix:	Water	Received:	01/13/15
Units:	ug/L	Analyzed:	01/14/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	9.3	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	263880	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-2	Batch#:	219394
Lab ID:	263880-013	Sampled:	01/12/15
Matrix:	Water	Received:	01/13/15
Units:	ug/L	Analyzed:	01/14/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-128
1,2-Dichloroethane-d4	118	75-139
Toluene-d8	106	80-120
Bromofluorobenzene	89	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	263880	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	219394
Units:	ug/L	Analyzed:	01/14/15
Diln Fac:	1.000		

Type: BS Lab ID: QC773247

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	12.50	11.43	91	66-135
Benzene	12.50	12.36	99	80-123
Trichloroethene	12.50	11.48	92	80-123
Toluene	12.50	13.08	105	80-121
Chlorobenzene	12.50	12.08	97	80-123

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-128
1,2-Dichloroethane-d4	118	75-139
Toluene-d8	105	80-120
Bromofluorobenzene	84	80-120

Type: BSD Lab ID: QC773248

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	12.50	11.35	91	66-135	1	24
Benzene	12.50	12.00	96	80-123	3	20
Trichloroethene	12.50	11.43	91	80-123	0	20
Toluene	12.50	12.79	102	80-121	2	20
Chlorobenzene	12.50	12.14	97	80-123	0	20

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-128
1,2-Dichloroethane-d4	118	75-139
Toluene-d8	105	80-120
Bromofluorobenzene	86	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	263880	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC773249	Batch#:	219394
Matrix:	Water	Analyzed:	01/14/15
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	263880	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC773249	Batch#:	219394
Matrix:	Water	Analyzed:	01/14/15
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-128
1,2-Dichloroethane-d4	119	75-139
Toluene-d8	105	80-120
Bromofluorobenzene	88	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California LUFT Metals

Lab #:	263880	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 3010A
Project#:	STANDARD	Analysis:	EPA 6010B
Matrix:	Water	Batch#:	219441
Units:	ug/L	Sampled:	01/12/15
Diln Fac:	1.000	Received:	01/13/15

Field ID:	MW-1	Prepared:	01/16/15
Type:	SAMPLE	Analyzed:	01/16/15
Lab ID:	263880-012		

Analyte	Result	RL
Cadmium	ND	5.0
Chromium	ND	5.0
Lead	ND	5.0
Nickel	ND	5.0
Zinc	46	20

Field ID:	MW-2	Prepared:	01/16/15
Type:	SAMPLE	Analyzed:	01/16/15
Lab ID:	263880-013		

Analyte	Result	RL
Cadmium	ND	5.0
Chromium	11	5.0
Lead	ND	5.0
Nickel	8.9	5.0
Zinc	68	20

Type:	BLANK	Prepared:	01/15/15
Lab ID:	QC773435	Analyzed:	01/15/15

Analyte	Result	RL
Cadmium	ND	5.0
Chromium	ND	5.0
Lead	ND	5.0
Nickel	ND	5.0
Zinc	ND	20

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California LUFT Metals

Lab #:	263880	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 3010A
Project#:	STANDARD	Analysis:	EPA 6010B
Matrix:	Water	Batch#:	219441
Units:	ug/L	Prepared:	01/15/15
Diln Fac:	1.000	Analyzed:	01/15/15

Type: BS Lab ID: QC773436

Analyte	Spiked	Result	%REC	Limits
Cadmium	100.0	99.72	100	80-120
Chromium	100.0	96.52	97	80-120
Lead	100.0	92.20	92	80-120
Nickel	100.0	94.68	95	80-120
Zinc	100.0	101.7	102	80-120

Type: BSD Lab ID: QC773437

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Cadmium	100.0	104.4	104	80-120	5	20
Chromium	100.0	101.5	102	80-120	5	20
Lead	100.0	96.11	96	80-120	4	20
Nickel	100.0	98.76	99	80-120	4	20
Zinc	100.0	104.0	104	80-120	2	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California LUFT Metals

Lab #:	263880	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 3010A
Project#:	STANDARD	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	219441
MSS Lab ID:	263707-003	Sampled:	12/31/14
Matrix:	Water	Received:	01/06/15
Units:	ug/L	Prepared:	01/15/15
Diln Fac:	1.000	Analyzed:	01/15/15

Type: MS Lab ID: QC773438

Analyte	MSS Result	Spiked	Result	%REC	Limits
Cadmium	<0.5791	100.0	92.10	92	80-120
Chromium	7.117	100.0	97.98	91	80-120
Lead	<0.9081	100.0	63.83	64 *	67-120
Nickel	<0.7145	100.0	86.76	87	80-120
Zinc	8.656	100.0	105.1	96	80-122

Type: MSD Lab ID: QC773439

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Cadmium	100.0	91.51	92	80-120	1	20
Chromium	100.0	97.61	90	80-120	0	20
Lead	100.0	63.65	64 *	67-120	0	23
Nickel	100.0	85.96	86	80-120	1	20
Zinc	100.0	101.7	93	80-122	3	20

*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California LUFT Metals

Lab #:	263880	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Matrix:	Soil	Sampled:	01/12/15
Units:	mg/Kg	Received:	01/13/15
Basis:	as received	Prepared:	01/16/15
Batch#:	219479	Analyzed:	01/19/15

Field ID: Z 5-6" Lab ID: 263880-001
Type: SAMPLE

Analyte	Result	RL	Diln Fac
Cadmium	4.1	0.27	1.000
Chromium	200	0.27	1.000
Lead	350	0.27	1.000
Nickel	44	0.27	1.000
Zinc	820	110	100.0

Field ID: Z-4-6" Lab ID: 263880-003
Type: SAMPLE

Analyte	Result	RL	Diln Fac
Cadmium	5.2	0.27	1.000
Chromium	490	0.27	1.000
Lead	190	0.27	1.000
Nickel	66	0.27	1.000
Zinc	870	110	100.0

Field ID: Z-7-6" Lab ID: 263880-005
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Cadmium	1.6	0.25
Chromium	110	0.25
Lead	120	0.25
Nickel	61	0.25
Zinc	180	0.99

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California LUFT Metals

Lab #:	263880	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Matrix:	Soil	Sampled:	01/12/15
Units:	mg/Kg	Received:	01/13/15
Basis:	as received	Prepared:	01/16/15
Batch#:	219479	Analyzed:	01/19/15

Field ID: Z-6-6" Lab ID: 263880-006
Type: SAMPLE

Analyte	Result	RL	Diln Fac
Cadmium	2.0	0.26	1.000
Chromium	440	0.26	1.000
Lead	100	0.26	1.000
Nickel	34	0.26	1.000
Zinc	920	100	100.0

Field ID: Z-7.2 6" Lab ID: 263880-007
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Cadmium	0.70	0.23
Chromium	48	0.23
Lead	49	0.23
Nickel	79	0.23
Zinc	84	0.91

Field ID: Z 8-6" Lab ID: 263880-009
Type: SAMPLE

Analyte	Result	RL	Diln Fac
Cadmium	5.1	0.24	1.000
Chromium	160	0.24	1.000
Lead	340	0.24	1.000
Nickel	52	0.24	1.000
Zinc	640	95	100.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California LUFT Metals

Lab #:	263880	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Matrix:	Soil	Sampled:	01/12/15
Units:	mg/Kg	Received:	01/13/15
Basis:	as received	Prepared:	01/16/15
Batch#:	219479	Analyzed:	01/19/15

Field ID: Z 3-6" Lab ID: 263880-010
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Cadmium	0.60	0.25
Chromium	63	0.25
Lead	19	0.25
Nickel	77	0.25
Zinc	59	1.0

Field ID: Z-1-6" Lab ID: 263880-014
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Cadmium	0.64	0.24
Chromium	44	0.24
Lead	28	0.24
Nickel	46	0.24
Zinc	87	0.94

Type: BLANK Diln Fac: 1.000
Lab ID: QC773587

Analyte	Result	RL
Cadmium	ND	0.25
Chromium	ND	0.25
Lead	ND	0.25
Nickel	ND	0.25
Zinc	ND	1.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California LUFT Metals

Lab #:	263880	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Matrix:	Soil	Batch#:	219479
Units:	mg/Kg	Prepared:	01/16/15
Diln Fac:	5.000	Analyzed:	01/19/15

Type: BS Lab ID: QC773588

Analyte	Spiked	Result	%REC	Limits
Cadmium	50.00	49.32	99	80-120
Chromium	50.00	47.91	96	80-120
Lead	50.00	44.46	89	80-120
Nickel	50.00	47.11	94	80-120
Zinc	50.00	47.38	95	80-120

Type: BSD Lab ID: QC773589

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Cadmium	50.00	50.93	102	80-120	3	20
Chromium	50.00	49.31	99	80-120	3	20
Lead	50.00	45.20	90	80-120	2	20
Nickel	50.00	48.52	97	80-120	3	20
Zinc	50.00	47.71	95	80-120	1	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California LUFT Metals

Lab #:	263880	Location:	Economy Trucking
Client:	Chemical Data Management Systems	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Field ID:	Z 5-6"	Batch#:	219479
MSS Lab ID:	263880-001	Sampled:	01/12/15
Matrix:	Soil	Received:	01/13/15
Units:	mg/Kg	Prepared:	01/16/15
Basis:	as received	Analyzed:	01/19/15
Diln Fac:	5.000		

Type: MS Lab ID: QC773590

Analyte	MSS Result	Spiked	Result	%REC	Limits
Cadmium	4.070	53.19	64.25	113	71-120
Chromium	199.5	53.19	292.3	175 *	57-133
Lead	352.7	53.19	695.0	644 NM	53-125
Nickel	43.70	53.19	106.0	117	44-141
Zinc	821.9	53.19	1,680	1613 NM	45-145

Type: MSD Lab ID: QC773591

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Cadmium	46.73	52.50	104	71-120	8	25
Chromium	46.73	278.0	168 NM	57-133	2	33
Lead	46.73	406.1	114 NM	53-125	51 *	42
Nickel	46.73	86.87	92	44-141	13	39
Zinc	46.73	906.4	181 NM	45-145	59 *	39

*= Value outside of QC limits; see narrative
NM= Not Meaningful: Sample concentration > 4X spike concentration
RPD= Relative Percent Difference